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DODGE TORQUE ARM REPLACEMENT PARTS

GENERAL INFORMATION

Request For Parts Quote:

A request for part number quotation must be accompanied by reducer size from nameplate and name of parts required. Reducer size is also cast into the reducer housing and may be used where nameplate is missing except when gearing is required.

For optimum performance from new gearing it is strongly recommended that mating gear and pinion be ordered and that gearing be installed in sets. Combining new gearing with a worn mate can significantly reduce service life of the new item.

It is advisable that new shaft seals be quoted for any maintenance that will require disassembly of the reducer.

All current Torque Arm, Screw Conveyor and TAll reducers have repair & rebuild kits assigned. Older discontinued sizes may not have kit part numbers assigned. For those situations it will be necessary to order as individual items by part number.

Torque Arm Identification Methods:

1) Housing Markings:

Reducer housings have a raised cast in size number that will include a suffix letter if applicable. Letter following size identifies modification level and is important in determining renewal part numbers. Example is TXT3 > TXT3A > TXT3B = bearing change identified by "A" and housing change identified by "B". Use only the parts list that matches size from reducer nameplate or size cast into reducer housing.

2) Nameplate Markings:

Torque Arm size is stamped on reducer nameplate will include ratio. Example is TXT315A = TXT3A + 15:1 ratio.

Older pre-1980 Torque Arm nameplates will contain serial numbers but they were not unique and can rarely positively identify a reducer. Serial numbering series was duplicated across all reducer sizes.

3) Nameplate Color:

Type of TXT reducer in service can be determined from background color coding of the nameplate:

Green Nameplate = Straight Bore Reducer

Yellow Nameplate = Taper Bushed Reducer

Blue Nameplate = Screw Conveyor Drive

4) Ratio Determination

If nameplate is missing ratio can be determined by counting pinion teeth and gear teeth in each stage. Divide gear teeth number by pinion teeth number and the result is ratio of that stage. If the reducer has two stages multiply 1st stage ratio by 2nd stage ratio to get total reducer ratio. Gear & pinion markings can also be used if visible. See page 17.1 to locate by part number. Tooth count is also included on this page.

DODGE TORQUE ARM REPLACEMENT PARTS

GENERAL INFORMATION

Dodge Torque-Arm Series Identification:

T, TD, TDT, TXT, Plain Number	Shaft Mount
C, CD, CS, SCXT	Screw Conveyor (Torque Twister) Series
H, HT, HXT, HSCXT	Hydroil Series
TAII	Current Torque Arm II Series

Prefix T & TD and Plain Number are straight bore hub only. Prefix TDT, TXT & TAI can be straight or taper bore.

Dodge Torque Arm Generations:

Dodge shaft mount reducer series was introduced more than 50 years ago. A number of redesigns and enhancements have occurred since introduction. Following is a list of the most common sizes, new and obsolete, that you are likely to encounter. When an alpha follows size refer to "Torque Arm Identification Methods - Housing Markings" on previous page. Refer to page 17 to interchange obsolete with current replacement size.

Current Series	
From	To
TA0107	TA12608
TXT1	TXT12
TDT13 (1)	TDT15
HXT1	HXT7
HSCXT1	HSCXT7
SCXT1	SCXT8

(1) Older catalogs may show sizes TD13-TD14-TD15. None of those sizes were built as a straight bore. Use TDT data.

Obsolete Series	
Size	Approximate Yrs Manufactured
1 - 19	1955 - 1974
T11 - T19	1974 - 1983
TD1 - TD12 (1)	1959 - 1971
TDT1 - TDT12	1972 - 1983

C1 - C17	1972 - 1985
CD208 - CD618	1960 - 1974
CS203A - CS503	1960 - 1974

H1 - H7	1970 - 1974
HD008 - HD618	1970 - 1974
HT1 - HT7	1974 - 1984
HT11 - HT15	1974 - 1984

Contact Us:

To request a quote or part number assistance for Dodge products via email use following address:
ps_quote_renewal_parts@baldor.com

We may also be contacted by fax @ 1-800-848-2727 or phone @ 1-864-297-4160.

DODGE TORQUE ARM BACKSTOP ASSEMBLIES

T-TD-TDT-TXT & Plain No's

Reducer Size	Backstop Assy. No.	Backstop (1) Dodge P/N	Backstop (2) Vendor P/N	Housing Snap Ring	Shaft Snap Ring
No. 1 TD1-TDT1	241101	442001	CL4605-1DO	N/A	N/A
No. 2-No.3-No.11 T11 TD2-TDT2 TXT1-TXT1A-TXT105 TXT2-TXT205-TXT305 TXT2A TXT305A T12-T13	242101	442002	CL4605-2DO	N/A	N/A
TD3-TDT3 TXT3 TXT3A-TXT3B	243101 243102 243106	442005 243103 442002	CL4605-6DO CL4605-177 CL4605-2DO	N/A N/A N/A	N/A N/A N/A
TD-TDT4 No. 4 & 5 TXT4-TXT405A TXT4A-TXT4B	244092 244101 244148 244106	442005 442004 244149 243103	CL4605-6DO CL4605-6DO CL4605-178 CL4605-177	N/A N/A N/A N/A	N/A N/A N/A N/A
TD5-TDT5 TXT5-TXT5A-TXT5B-TXT5C T15 TXT505-TXT505A No.6	245101 245154 246101	442008 245155 442007	CL4605-10ADO CL4605-179 CL4605-10DO	N/A N/A N/A	N/A N/A N/A
No. 16A T16 TD6-TD6A TDT6 TXT6-TXT6A-TXT605	246092	442014	CL4990-4-DO	N/A	421005
No. 7 TD7-TD7A TDT7 TXT7-TXT7A-TXT705 No. 17A T17	247101 247260	442009 442012	FS50-12 CL4990-3-DO	N/A 421029 (3)	421027 421005
No.8-No.9-No.18 TD8-TD8A-TD9 TD11-TD18 TDT8-TDT9-TDT11 TXT8-TXT8A-TXT9-TXT9A TXT905 T19 TDT1325	249260 272259	442010 272260	CL4636-3-DO CL4605-104	421034 RR462	421009 RS193
T18 TXT805 TD10-TD1225 TDT10-TDT12 TXT10-TXT10A-TXT12 TDT1425-TDT1530	250260 272293	442013 272294	CL40296-4-DO CL4605-105	421034 RR650	421009 421019
No.14 T14	254101	442006	CL4605-8DO	N/A	N/A
No.15	255101	442009	FS50-12	N/A	N/A
No.16	256101	442011	CL4764	N/A	421009
No.17	257101	442011	CL4764	421032	421009

- (1) Backstop may be marked with Dodge p/n and or vendor p/n. To inquire or order use assembly part number.
 (2) Backstops are proprietary to Dodge and can only be ordered through an authorized Dodge Distributor.
 (3) Not used for TD7A, No. 17A, TXT7.

DODGE TORQUE ARM II BACKSTOP ASSEMBLIES

Reducer Size	Backstop Assy No.	B/S Series (Modified)	Backstop Key	Snap Ring	Backstop Spacer	Bolts	Lock Washer	Qty (1)
TA0107L	901102	RSCI-20	901478	901488	901485	901493	419009	6
TA1107L	901102	RSCI-20	901478	901488	901485	901493	419009	6
TA2115H	902102	RSCI-20	902478	902488	-----	901493	419009	6
TA3203H	903102	RSCI-25	903478	051280	-----	901493	419009	6
TA4207H (5:1-25:1)	904102	RSCI-30	903478	904488	-----	901493	419009	6
TA4207H (40:1)	904103	RSCI-30	903478	904488	904485	901493	419009	6
TA5215H (5:1-25:1)	905102	RSCI-40	905478	051291	-----	411509	419010	8
TA5215H (40:1)	905103	RSCI-40	905478	051291	905485	411059	419010	8
TA6307H (5:1-15:1)	906102	RSCI-50	906478	051304	-----	906493	419010	8
TA6307H (25:1-40:1)	906103	RSCI-50	905478	051291	-----	906493	419010	8
TA7315H (5:1-25:1)	907102	RSCI-60	907478	051304	907485	907493	419011	8
TA7315H (40:1)	907103	RSCI-60	905478	051291	-----	907493	419011	8
TA8407H (15:1-25:1)	908102	RSCI-50	906478	051304	-----	906493	419010	8
TA8407H (40:1)	908103	RSCI-50	905478	051291	-----	906493	419010	8
TA9415H (15:1-25:1)	909102	RSCI-60	907478	051304	-----	907493	419011	8
TA9415H (40:1)	909103	RSCI-60	905478	051291	-----	907493	419011	8
TA10507H (15:1-25:1)	910102	RSCI-70	728446	051310	910485	910493	419011	12
TA10507H (40:1)	910103	RSCI-70	910479	910489	910486	910493	419011	12
TA12608 (15:1-25:1)	912102	RSCI-80	728446	051314	912485	411418	419011	12
TA12608 (40:1)	912103	RSCI-80	907478	051304	-----	411418	419011	12

(1) Quantity of bolts & lock washers used to mount backstop.

DODGE MAXUM BACKSTOP ASSEMBLIES (1) (2)

MAXUM Size	Ratio	Backstop Assembly	Backstop	Vendor Series
DCR/TCR1 & 2	ALL	299375	-----	-----
DCR/TCR3	7.59 - 194.6	299375	-----	-----
DCR/TCT4	13.95 - 194.6	299375	-----	-----
DCR/TCR5	9.30 - 194.6	299377	-----	-----
DCR/TCR6	13.95 - 194.6	299377	-----	-----
DCR7	5.06 - 25.63	299379	299342	CL42208-132-22DO
TCR7	31.39 - 194.6	299380	299341	CL42207-105-10DO
DCR8	5.1 - 11.4	299381	299343	CL42209-82-48DO
DCR8	13.95 - 25.63	299382	299342	CL42208-132-22DO
TCR8	31.39 - 194.6	299383	299341	CL42207-105-10DO
DCR9	5.06 - 11.39	299384	299343	CL42209-82-48DO
DCR9	13.95 - 25.63	299385	299342	CL42208-132-22DO
TCR9	31.39 - 194.6	299386	299342	CL42208-132-22DO
DCR10	5.06 - 11.39	299387	299343	CL42209-82-48DO
DCR/TCR10	13.95 - 70.62	299388	299342	CL42208-132-22DO
TCR10	86.50 - 194.6	299389	299342	CL42208-132-22DO
DCR11	5.06 - 11.39	299390	299344	CL40931-67-26DO
DCR11	13.95 - 25.63	299391	299343	CL42209-82-48DO
TCR11	31.39 - 70.62	299392	299342	CL42208-132-22DO
TCR11	86.50 - 194.6	299845	299342	CL42208-132-22DO
DCR12	6.20 - 11.39	299393	299344	CL40931-67-26DO
DCR12	13.95 - 25.63	299394	299343	CL42209-82-48DO
TCR12	31.39 - 70.62	299395	299342	CL42208-132-22DO
TCR12	86.50 - 194.6	299846	299342	CL42208-132-22DO

(1) Backstop assembly is complete with mounting hardware. Backstop only will not include mounting hardware but may be satisfactory if existing hardware is in good condition.

(2) Backstop for Maxum sizes 1 - 6 is ratchet and pawl type and will mount on standard input shaft. Backstop for sizes 7 - 12 is sprag type which requires extended input shaft. To retrofit backstop a new extended input shaft must also be supplied. Contact renewal parts for input shaft part number.

DODGE TXM BACKSTOP ASSEMBLIES

Many of the hardware components that make up a backstop assembly are no longer available. Backstop only can be replaced where it existed on the original reducer. Use the Dodge part number (backstop only) to inquire or order.

Backstops for TXM sizes 100 - 800 were internally installed on the low speed pinion shaft. Sizes 900 - 1200 backstops were externally mounted on special extended input shaft. Sizes 600 - 800 had an internal/external option.

Reducer Size	Type	Backstop Assembly	Dodge P/N Backstop	Vendor Series
DR/TR100	INTERNAL	014531	442002	CL4605-2DO
DR/TR200	INTERNAL	014532	442002	CL4605-2DO
DR/TR300	INTERNAL	014533	442004	FS50 - 6
DR/TR400	INTERNAL	014534	41511228G	CL4605-9A
DR/TR500	INTERNAL	014535	442008	CL4605-9A-DO
DR/TR600	INTERNAL	014536	442016	CL4990 -5-DO
DR/TR600	EXTERNAL	014953	299342	CL42208-132-22DO
DR/TR700	INTERNAL	014537	41511228A	CL4605-12A
DR/TR700	EXTERNAL	014954	299342	CL42208-132-22DO
DR/TR800	INTERNAL	014538	41511228B	CL4605-13
DR800	EXTERNAL	014955	014958	CL42209-332-2DO
TR800	EXTERNAL	014956	299342	CL42208-132-22DO
DR900	EXTERNAL	014945	299343	CL42209-82-48DO
TR900	EXTERNAL	014946	014940	CL42209-225-2DO
DR1000	EXTERNAL	014947	014943	CL42216-26-1DO
TR1000	EXTERNAL	014948	014940	CL42209-225-2DO
DR1100	EXTERNAL	014949	014944	CL42216-1DO
TR1100	EXTERNAL	014950	014941	CL42209-3-14DO
DR1200	EXTERNAL	014951	014944	CL42216-1DO
TR1200	EXTERNAL	014952	014941	CL42209-3-14DO

DODGE TORQUE ARM BEARINGS - TXT

Reducer Size	Size/Ratio	<u>Bearing Kit</u>	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Brg (qty 2)
TXT1	TXT109-115-125	389905	Ball Bearing	424112	424111	424006	424006	424020
TXT1A	TXT109A-115A-125A	389905	Ball Bearing	424112	424111	424006	424006	424020
TXT105	TXT105	389910	Ball Bearing	424076	424012	-----	-----	424020
TXT2	TXT209-215-225	389906	Ball Bearing	424019	424090	424000	424000	424022
TXT2A	TXT209A-215A-225A	389906	Ball Bearing	424019	424090	424000	424000	424022
TXT205	TXT205	389911	Ball Bearing	424078	424000	-----	-----	424022
TXT3	TXT315-325	389907	Ball Bearing	424087	424000	424002	424000	424024
TXT305	TXT305	389912	Ball Bearing	424080	424000	-----	-----	424024
TXT3A	TXT309A-315A-325A	392345	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
TXT3B	TXT309B-315B-325B	392345	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
TXT305A	TXT305A	392346	Cone Cup	402190 403132	402271 403101	-----	-----	402272 403127
TXT4	TXT415-425	389908	Ball Bearing	424089	424002	424073	424069	424026
TXT4A	TXT409A-415A-425A	392347	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
TXT4B	TXT409B-415B-425B	392347	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
TXT405	TXT405	389913	Ball Bearing	424013	424088	-----	-----	424026
TXT405A	TXT405A	392348	Cone Cup	402179 403006	402285 403125	-----	-----	402268 403163
TXT505	TXT505	389914	Ball Bearing	424083	424010	-----	-----	424028
TXT505A	TXT505A	392351	Cone Cup	402270 403026	402266 403073	-----	-----	402193 403016
TXT5	TXT515-525	389909	Ball Bearing	424013	424088	424010	424010	424028
TXT5A	TXT509A-515A-525A	392349	Ball Bearing Cone Cup	----- 402144 403104	----- 402266 403073	424010	424010	424028
TXT5B	TXT509B-515B-525B	392350	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
TXT5C	TXT509C-515C-525C	392350	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
TXT6	TXT609-615-625	335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
TXT6A	TXT609A-61A5-625A	335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
TXT605	TXT605	392352	Cone Cup	402053 403106	402123 403009	-----	-----	402050 403140
TXT7	TXT709-715-725	392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
TXT7A	TXT709A-715A-725A	392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
TXT705	TXT705	392354	Cone Cup	402057 403143	402078 403034	-----	-----	402058 403111
TXT8	TXT815-825	392355	Cone Cup	402098 403072	402097 403072	402057 403143	402148 403106	402147 403105
TXT8A	TXT815A-825A	392355	Cone Cup	402098 403072	402097 403072	402057 403143	402148 403106	402147 403105
TXT805	TXT805	392356	Cone Cup	402199 403051	402198 403051	-----	-----	402147 403105
TXT9	TXT915-925	392357	Cone Cup	402114 403080	402107 403076	402109 403078	402109 403078	402160 403110
TXT9A	TXT915A-925A	392357	Cone Cup	402114 403080	402107 403076	402109 403078	402109 403078	402160 403110
TXT905	TXT905	392358	Cone Cup	402114 403080	402232 402231	-----	-----	402160 403110
TXT10	TXT1015-1024	392359	Cone Cup	402114 403080	402112 403080	402232 402231	402232 402231	402168 403116
TXT10A	TXT1015A-1024A	392359	Cone Cup	402114 403080	402112 403080	402232 402231	402232 402231	402168 403116
TXT12	TXT1215-1225	392360	Cone Cup	402125 403087	402125 403087	(1) 402127 403089	(1) 402127 403089	402039 403119

(1) Takes 2 each per location

DODGE TORQUE ARM BEARINGS - TDT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Brg (qty 2)
TDT1	TDT115 - 125	389900	Ball Bearing	424111	424110	391755	391755	424020
TDT2	TDT215 - 225	389901	Ball Bearing	424076	424111	424006	424006	424022
TDT3	TDT315 - 325	389902	Ball Bearing	424114	424000	424000	424000	424024
TDT4	TDT415 - 425	389903	Ball Bearing	424078	424000	424073	424002	424026
TDT5	TDT515 - 525	389904	Ball Bearing	424013	424092	424010	424010	424028
TDT6	TDT615 - 625	335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
TDT7	TDT715 - 725	392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
TDT8	TDT815 - 825	392355	Cone Cup	402098 403072	402097 403072	402057 403143	402148 403106	402147 403105
TDT9	TDT915-926	392357	Cone Cup	402114 403080	402107 403076	402109 403078	402109 403078	402160 403110
TDT10	TDT1015-1024	392359	Cone Cup	402114 403080	402112 403080	402232 402231	402232 402231	402168 403116
TDT12	TDT1215-1225	392360	Cone Cup	402125 403087	402125 403087	(1) 402127 403089	(1) 402127 403089	402039 403119
TDT13	TDT1325	392342	Cone Cup	402232 402231	402232 402231	(1) 402234 402233	(1) 402234 402233	402230 402229
TDT14	TDT1425	392343	Cone Cup	402241 402233	402241 402233	(1) 402240 403134	(1) 402240 403134	402239 403133
TDT15	TDT1530	392344	Cone Cup	402234 402233	402241 402233	(1) 402011 403014	(1) 402011 403014	402009 403013

(1) Takes 2 each per location

DODGE TORQUE ARM BEARINGS - TD

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Brg (qty 2)
TD1	TD115-125	----	Ball Bearing	424111	424110	424110	424110	424020
TD2	TD215-225	----	Ball Bearing	424076	424111	424112	424112	424022
TD3	TD315-325	389902	Ball Bearing	424114	424000	424000	424000	424024
TD4	TD415-425	----	Ball Bearing	424078	424000	424002	424002	424026
TD5	TD515-525	----	Ball Bearing	424013	424092	424092	424092	424028
TD6	TD615-625	----	Ball Bearing	390305	390306	390306	390306	390307
TD6A	TD615A-625A	----	Cone Cup	402196 403091	402197 403091	402195 403100	402195 403100	390448 390449
TD7	TD715-725	----	Ball Bearing	390311	390305	390312	390312	390313
TD7A	TD715A-725A	----	Cone Cup	402150 403106	402088 403047	402123 403091	402123 403091	390439 390440
TD8	TD815-825	----	Ball Bearing	390314	390315	390315	390315	390316
TD8A	TD815A-825A	----	Cone Cup	402098 403072	402097 403072	402148 403106	402148 403106	402147 403105
TD9	TD915-925	392357	Cone Cup	402114 403080	402107 403076	402109 403078	402109 403078	402160 403110
TD10	TD1015-1024	----	Cone Cup	402114 403080	402112 403080	390341 390702	390341 390702	402168 403116
TD11	TD1125	----	Cone Cup	402114 403080	402097 403072	(1) 390344 390345	(1) 390344 390345	390346 390347
TD12	TD1225	392360	Cone Cup	402125 403087	402125 403087	(1) 402127 403089	(1) 402127 403089	402039 403119

(1) Takes 2 each per location

DODGE TORQUE ARM BEARINGS - T

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Brg (qty 2)
T11		-----	Ball Bearing	424076	424012	-----	-----	424020
T12		-----	Ball Bearing	424078	424000	-----	-----	424022
T13		-----	Ball Bearing	424080	424000	-----	-----	424024
T14		-----	Ball Bearing	424013	424002	-----	-----	424026
T15		-----	Ball Bearing	424083	424010	-----	-----	424028
T16		392352	Cone Cup	402053 403106	402123 403009	-----	-----	402050 403140
T17		392354	Cone Cup	402057 403143	402078 403034	-----	-----	402058 403111
T18		392356	Cone Cup	402199 403051	402198 403051	-----	-----	402147 403105
T19		392358	Cone Cup	402114 403080	402231 402232	-----	-----	402160 403110

DODGE TORQUE ARM BEARINGS - PLAIN

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Brg (qty 2)
1		-----	Ball Bearing	424111	424110	424110	424110	424020
2		-----	Ball Bearing	424076	424111	424112	424112	424022
3		-----	Ball Bearing	424114	424111	424000	424000	424024
4		-----	Ball Bearing	424078	424076	424002	424002	424026
5		-----	Ball Bearing	424013	424076	424010	424010	424028
6		-----	Ball Bearing	390305	424092	390308	390308	390307
7		-----	Ball Bearing	390311	390305	360315	390315	390313
8		-----	Cone Cup	402114 403080	402097 403072	(1) 402148 403106	(1) 402148 403106	402160 403110
9		-----	Cone Cup	402114 403080	402097 403072	(1) 402148 403106	(1) 402148 403106	402160 403110
10		-----	Ball Bearing Cone Cup	424070	424070	-----	-----	402190 403132
11		-----	Ball Bearing	424076	424111	-----	-----	424020
12		-----	Ball Bearing	424078	424000	-----	-----	424022
13		-----	Ball Bearing	424080	424000	-----	-----	424024
14		-----	Ball Bearing	424013	424002	-----	-----	424026
15		-----	Ball Bearing	424083	424010	-----	-----	424028
16		-----	Ball Bearing	390309	390308	-----	-----	390307
16A		-----	Cone Cup	402196 403091	402197 403091	-----	-----	390448 390449
17		-----	Ball Bearing	390311	390305	-----	-----	390313
17A		-----	Cone Cup	402150 403106	402088 403047	-----	-----	390439 390430
18		-----	Cone Cup	402098 403072	402097 403072	-----	-----	403105 402147
19		-----	Cone Cup	402114 403080	402107 403076	-----	-----	403110 402160

(1) Takes 2 each per location

DODGE TORQUE ARM BEARINGS - SCXT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Bearing (qty 2)
SCXT1	SCXT109-115-125	392320	Ball Bearing Cone Cup	424112	424111	424006	424006	402246 403149
SCXT1A	SCXT109A-115A-125A	392320	Ball Bearing Cone Cup	424112	424111	424008	424008	402246 403149
SCXT105	SCXT105	392321	Ball Bearing Cone Cup	424076	424012	-----	-----	402246 403149
SCXT2	SCXT209-215-225	392322	Ball Bearing Cone Cup	424019	424090	424000	424000	402247 403150
SCXT2A	SCXT209A-215A-225A	392322	Ball Bearing Cone Cup	424019	424090	424000	424000	402247 403150
SCXT205	SCXT205	392323	Ball Bearing Cone Cup	424078	424000	-----	-----	402247 403150
SCXT3	SCXT309-315-325	392324	Ball Bearing Cone Cup	424087	424000	424002	424000	402003 403003
SCXT3A	SCXT309A-315A-325A	392325	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
SCXT3B	SCXT309B-315B-325B	392325	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
SCXT305	SCXT305	392326	Ball Bearing Cone Cup	424080	424000	-----	-----	402003 403003
SCXT305A	SCXT305A	392327	Cone Cup	402190 403132	402271 403101	-----	-----	402272 403127
SCXT4	SCXT409-415-425	392328	Ball Bearing Cone Cup	424089	424002	424073	424069	402250 403153
SCXT4A	SCXT409A-415A-425A	392329	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
SCXT4B	SCXT409B-415B-425B	392329	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
SCXT405	SCXT405	392330	Ball Bearing Cone Cup	424013	424088	-----	-----	402250 403153
SCXT405A	SCXT405A	392331	Cone Cup	402179 403006	402285 403125	-----	-----	402268 403163
SCXT5	SCXT515-525	392332	Ball Bearing Cone Cup	424013	424088	424010	424010	402007 403007
SCXT5A	SCXT509A-515A-525A	392333	Ball Bearing Cone Cup	402144 403104	402266 403073	424010	424010	402007 403007
SCXT5B	SCXT509B-515B-525B	392334	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
SCXT5C	SCXT509C-515C-525C	392334	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
SCXT505	SCXT505	392335	Ball Bearing Cone Cup	424083	424010	-----	-----	402007 403007
SCXT505A	SCXT505A	392336	Cone Cup	402270 403026	402266 403073	-----	-----	402193 403016
SCXT6	SCXT609-615-625	392337	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
SCXT6A	SCXT609A-615A-625A	392337	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
SCXT605	SCXT605	392338	Cone Cup	402053 403106	402123 403009	-----	-----	402050 403140
SCXT7	SCXT709-715-725	392339	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
SCXT7A	SCXT709A-715A-725A	392339	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
SCXT705	SCXT705	392340	Cone Cup	402057 403143	402078 403034	-----	-----	402058 403111
SCXT8	SCXT809-815-825	392341	Cone Cup	402097 403072	402098 403072	402057 403143	402148 403106	402147 403105
SCXT8A	SCXT809A-815A-825A	392341	Cone Cup	402097 403072	402098 403072	402057 403143	402148 403106	402147 403105

DODGE TORQUE ARM BEARINGS - C

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Bearing (qty 2)
C1	C115 - C125	-----	Ball Bearing Cone Cup	424111	424110	391755	424110	----- 402246 403149
C2	C215 - C225	-----	Ball Bearing Cone Cup	424076	424111	424006	424006	----- 402247 403150
C3	C315 - C325	-----	Ball Bearing Cone Cup	424114	424000	424000	424000	----- 402003 403003
C4	C415 - 425	-----	Ball Bearing Cone Cup	424078	424000	424073	424002	----- 402250 403153
C5	C515 - C525	-----	Ball Bearing Cone Cup	424013	424092	424010	424010	----- 402007 403007
C6	C615 - C625	392337	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
C7	C715 - C725	392339	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
C11		392321	Ball Bearing Cone Cup	424076	424012	-----	-----	----- 402246 403149
C12		392323	Ball Bearing Cone Cup	424078	424000	-----	-----	----- 402247 403150
C13		392326	Ball Bearing Cone Cup	424080	424000	-----	-----	----- 402003 403003
C14		-----	Ball Bearing Cone Cup	424013	424002	-----	-----	----- 402250 403153
C15		392335	Ball Bearing Cone Cup	424083	424010	-----	-----	----- 402007 403007
C16		392338	Cone Cup	402053 403106	402123 403009	-----	-----	402050 403140
C17		392340	Cone Cup	402057 403143	402078 403034	-----	-----	402058 403111

DODGE TORQUE ARM BEARINGS - CD

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Bearing (qty 2)
CD008 CD018		-----	Ball Bearing Cone Cup	390276	390275	390275	390275	----- 402190 403132
CD108A & B CD118A & B		-----	Cone Cup	390355 390356	390357 390356	390359 390358	390359 390358	402144 403104
CD208A & B CD218A & B		-----	Cone Cup	402142 403102	390364 403102	390365 403094	390365 403094	390367 403064
CD308 CD318		-----	Cone Cup	390269 390370	390371 403082	390373 390374	390373 390374	402150 403106
CD408 CD418		-----	Cone Cup	390376 390377	390378 390379	390378 390379	390378 390379	390344 390345
CD508 CD518		-----	Cone Cup	390380 390381	390382 390383	390384 390385	390384 390385	390386 390387
CD608 CD618		-----	Cone Cup	390468 390470	390469 390470	390471 403106	390471 403106	390472 390782

DODGE TORQUE ARM BEARINGS - CS

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Brg (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Bearing (qty 2)
CS203A- CS203B		-----	Cone Cup	402142 403102	390364 403102	-----	-----	390367 403064
CS303		-----	Cone Cup	390369 390370	390371 403082	-----	-----	402150 403106
CS403		-----	Cone Cup	390376 403100	390378 390379	-----	-----	390344 390345
CS503		-----	Cone Cup	390380 390381	390382 390383	-----	-----	390386 390387

DODGE TORQUE ARM BEARINGS - HXT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (backstop side)	Output Bearing (qty 2)
HXT105	(2)	389916	Ball Bearing	424137	424012	-----	-----	424020
HXT115-125	(2)	389905	Ball Bearing	424112	424111	424006	424006	424020
HXT115A-125A	(2)	389905	Ball Bearing	424112	424111	424006	424006	424020
HXT205	(2)	389911	Ball Bearing	424078	424000	-----	-----	424022
HXT215-225	(2)	389906	Ball Bearing	424019	424090	424000	424000	424022
HXT215A-225A	(2)	389906	Ball Bearing	424019	424090	424000	424000	424022
HXT305	(2)	389912	Ball Bearing	424080	424000	-----	-----	424024
HXT305A	(2)	392346	Cone Cup	402190 403132	402271 403101	-----	-----	402272 403127
HXT315-325	(2)	389907	Ball Bearing	424087	424000	424002	424000	424024
HXT315A-325A	(2)	392345	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
HXT315B-325B	(2)	392345	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
HXT405	(2)	389913	Ball Bearing	424013	424088	-----	-----	424026
HXT405A	(2)	392348	Cone Cup	402179 403006	402285 403125	-----	-----	402268 403163
HXT415-425	(2)	389908	Ball Bearing	424089	424002	424073	424069	424026
HXT415A-425A	(2)	392347	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
HXT415B-425B	(2)	392347	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
HXT505	(2)	389915	Ball Bearing	424083	424010	-----	-----	424028
HXT505A	(2)	392351	Cone Cup	402270 403026	402266 403073	-----	-----	402193 403016
HXT515-525	(2)	389909	Ball Bearing	424013	424088	424010	424010	424028
HXT515A-525A	(2)	392349	Ball Bearing Cone Cup	402144 403104	402266 403073	424010	424010	424028
HXT515B-525B	(2)	392350	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
HXT515C-525C	(2)	392350	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
HXT615-625	(2)	335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
HXT615A-625A	(2)	335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
HXT715-725	(2)	392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
HXT715A-725A	(2)	392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111

(2) Housings same as TXT and are marked with TXT case sizes.

DODGE TORQUE ARM BEARINGS - HSCXT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (backstop side)	Output Bearing (qty 2)
HSCXT105	(3)	392361	Ball Bearing Cone Cup	424137	424012	-----	-----	402246 403149
HSCXT115-125	(3)	392320	Ball Bearing Cone Cup	424112	424111	424006	424006	402246 403149
HSCXT115A-125A	(3)	392320	Ball Bearing Cone Cup	424112	424111	424006	424006	402246 403149

DODGE TORQUE ARM BEARINGS - HSCXT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (backstop side)	Output Bearing (qty 2)
HSCXT205	(3)	392323	Ball Bearing Cone Cup	424078	424000	-----	-----	----- 402247 403150
HSCXT215-225	(3)	392322	Ball Bearing Cone Cup	424019	424090	424000	424000	----- 402247 403150
HSCXT215A-225A	(3)	392322	Ball Bearing Cone Cup	424019	424090	424000	424000	----- 402247 403150
HSCXT305A	(3)	392327	Cone Cup	402190 403132	402271 403101	-----	-----	402272 403127
HSCXT315A-325A	(3)	392325	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
HSCXT315B-325B	(3)	392325	Cone Cup	402204 403139	402273 403094	402273 403094	402273 403094	402272 403127
HSCXT405A	(3)	392331	Cone Cup	402179 403006	402285 403125	-----	-----	402268 403163
HSCXT415A-425A	(3)	392329	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
HSCXT415B-425B	(3)	392329	Cone Cup	402280 403027	402142 403102	402000 403000	402000 403000	402268 403163
HSCXT505A	(3)	392336	Cone Cup	402270 403026	402266 403073	-----	-----	402193 403016
HSCXT515B-525B	(3)	392334	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
HSCXT515C-525C	(3)	392334	Cone Cup	402144 403104	402266 403073	402203 403027	402203 403027	402193 403016
HSCXT615-625	(3)	392337	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
HSCXT615A-625A	(3)	392337	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
HSCXT715-725	(3)	392339	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111
HSCXT715A-725A	(3)	392339	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111

(3) Housings are same as SCXT and are marked with SCXT sizes

DODGE TORQUE ARM BEARINGS - HD

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshaft Brg (input side)	Coshaft Brg (bkstp side)	Output Bearing (qty 2)
HD008-HD018		-----	Ball Bearing Cone Cup	390274	390275	390275	390275	----- 402190 403132
HD108-HD118		-----	Cone Cup	390355 390356	390357 390358	390359 390358	390359 390358	402144 403104
HD208		-----	Cone Cup	390457 403102	390364 403102	390365 403094	390365 403094	390367 403064
HD218		-----	Cone Cup	402142 403102	390364 403102	390365 403094	390365 403094	390367 403064
HD308-HD318		-----	Cone Cup	390369 390370	390371 403082	390373 390374	390373 390374	402150 403106
HD408-HD418		-----	Cone Cup	390376 403100	390378 390379	390378 390379	390378 390379	390344 390345
HD508-HD518		-----	Cone Cup	390380 308381	390382 390383	390384 390385	390384 390385	390386 390387
HD618		-----	Cone Cup	390468 390470	390469 390470	390471 403106	390471 403106	390472 390782

DODGE TORQUE ARM BEARINGS - HT

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshft Brg (input side)	Coshft Brg (backstop side)	Output Bearing (qty 2)
HT115 - 125		392365	Ball Bearing	424112	424110	424004	424004	424020
HT215 - 225		389901	Ball Bearing	424076	424111	424006	424006	424022
HT315 - 325		389902	Ball Bearing	424114	424000	424000	424000	424024
HT415 - 425		389903	Ball Bearing	424078	424000	424073	424002	424026
HT515 - 525		389904	Ball Bearing	424013	424092	424010	424010	424028
HT615-625		335368	Cone Cup	402196 403091	402197 403091	402054 403159	402052 403142	402050 403140
HT715-725		392353	Cone Cup	402150 403106	402088 403047	402256 403053	402256 403053	402058 403111

HT11		389916	Ball Bearing	424137	424012	-----	-----	424020
HT12		389911	Ball Bearing	424078	424000	-----	-----	424022
HT13		389912	Ball Bearing	424080	424000	-----	-----	424024
HT14		389915	Ball Bearing	424013	424002	-----	-----	424026
HT15		389914	Ball Bearing	424083	424010	-----	-----	424028

DODGE TORQUE ARM BEARINGS - H

Reducer Size	Size/Ratio	Bearing Kit	Bearing Type	Input Bearing (input side)	Input Brg (backstop side)	Coshft Brg (input side)	Coshft Brg (backstop side)	Output Bearing (qty 2)
H115-125		-----	Ball Bearing	424112	424110	424110	424110	424020
H215-225		-----	Ball Bearing	424076	424111	424112	424112	424022
H315-325		389902	Ball Bearing	424114	424000	424000	424000	424024
H415-425		-----	Ball Bearing	424078	424000	424002	424002	424026
H515-525		-----	Ball Bearing	424013	424092	424092	424092	424028
H615-625		-----	Ball Bearing	390305	390306	390306	390306	390307
H615A-625A		-----	Cone Cup	402196 403091	402197 403091	402195 403100	402195 403100	390448 390449
H715-725		-----	Ball Bearing	390315	390305	390312	390312	390313
H715A-725A		-----	Cone Cup	402150 403106	402088 403047	402123 403091	402123 403091	390439 390440

DODGE MOTORIZED TORQUE ARM II BEARINGS - MTA

		Gearmotor		C-face	
		TA1107H	TA3203H	TA1107H	TA3203H
Bearing Kit	qty	part no.	part no.	part no.	part no.
output brg cup	2	901250	903252	901250	903252
output brg cone	2	901251	402268	901251	402268
input brg cup	2	403063	403101	403063	403101
input brg cone	1	963391	402271	963391	402271
input brg cone	1	402108	402271	402108	402271
c/s brg cup	2	403165	403101	403165	403101
c/s brg cup	2	402265	402271	402265	402271
INA Brg #52 (c-face)	1	-----	-----	963339	963339
FAG Brg #59 (c-face)	1	-----	-----	963338	963338
Bearing Kit P/N	1	236137	903130	236138	236144

Dodge Torque Arm II Bearing Kits

Torque Arm II Sizes TA0107 - TA5215



Description	Qty	TA0107L (5:1)	TA0107L (9:1 - 31:1)	TA1107H (5:1)	TA1107H (9:1-31:1)	TA2115H (5:1)
Bearing Kit P/N	1	900128	900129	901128	901129	902128
Brg Kit Components:						
Brg cup Output 24	2	900250	900250	901250	901250	403003
Brg Cone Output 25	2	900251	900251	901251	901251	402003
C/S Brg Cup LH 34	1	*****	304833	*****	403165	*****
C/S Brg Cup RH 35	1	*****	304833	*****	403165	*****
C/S Brg Cone LH 36	1	*****	304740	*****	402265	*****
C/S Brg Cone RH 37	1	*****	304740	*****	402265	*****
Input Brg Cup LH 30 (1)	1	403166	403166	402169	402169	403094
Input Brg Cone LH 32 (1)	1	402284	402284	402294	402294	304753
Input Brg Cup RH 31	1	403165	403165	403063	403063	403094
Input Brg Cone RH 33	1	402265	402265	402108	402108	304707

(1) Original reducer supplied with bearing for 3/4" diameter input shaft. Ceased production approximately 8/15/2003. Design changed to 1" input shaft which required bearing change. Kit contains bearing for current 1" shaft.

Description	Qty	TA2115H (9:1 - 25:1)	TA2115H (33:1)	TA3203H (5:1)	TA3203H (9:1 - 25:1)	TA3203H (32:1)	TA4207H (5:1)
Bearing Kit P/N	1	902129	902130	903128	903129	903130	904128
Brg Kit Components:							
Brg cup Output 24	2	403003	403003	903252	903252	903252	403016
Brg Cone Output 25	2	402003	402003	402268	402268	402268	402193
C/S Brg Cup LH 34	1	304836	304836	*****	403101	403101	*****
C/S Brg Cup RH 35	1	304836	304836	*****	403101	403101	*****
C/S Brg Cone LH 36	1	41162605B	41162605B	*****	402271	402271	*****
C/S Brg Cone RH 37	1	41162605B	41162605B	*****	402271	402271	*****
Input Brg Cup LH 30	1	403094	403094	304809	304809	403101	304809
Input Brg Cone LH 32	1	304753	304707	41162605K	41162605K	402271	41162605K
Input Brg Cup RH 31	1	403094	403094	403101	403101	403101	904256
Input Brg Cone RH 33	1	304707	304707	402271	402271	402271	904257

Description	Qty	TA4207H (9:1 - 25:1)	TA4207H (40:1)	TA5215H (5:1)	TA5215H (9:1 - 15:1)	TA5215H (25:1)	TA5215H (40:1)
Bearing Kit P/N	1	904129	904130	905128	905129	905130	905131
Brg Kit Components:							
Brg cup Output 24	2	403016	403016	403140	403140	403140	403140
Brg Cone Output 25	2	402193	402193	402050	402050	402050	402050
C/S Brg Cup LH 34	1	304809	304809	*****	403005	403005	403005
C/S Brg Cup RH 35	1	304809	304809	*****	403005	403005	403005
C/S Brg Cone LH 36	1	304710	304710	*****	402001	402001	402001
C/S Brg Cone RH 37	1	304710	304710	*****	402001	402001	402001
Input Brg Cup LH 30	1	304809	304809	403005	403005	403005	403005
Input Brg Cone LH 32	1	41162605K	41162605K	402001	402001	304717	304717
Input Brg Cup RH 31	1	904256	904256	403005	403005	403005	403005
Input Brg Cone RH 33	1	904257	904258	402001	402001	402001	41162605V

Dodge Torque Arm II Bearing Kits

Torque Arm II Sizes TA6307 - TA12608



Description	Qty	TA6307H (5:1)	TA6307H (9:1 - 15:1)	TA6307H (25:1 - 40:1)	TA7315H (5:1)	TA7315H (9:1 - 25:1)	TA7315H (40:1)
Bearing Kit P/N	1	906128	906129	906130	907128	907129	907130
Brg Kit Components:							
Brg cup Output 24	2	906250	906250	906250	403105	403105	403105
Brg Cone Output 25	2	906251	906251	906251	402147	402147	402147
C/S Brg Cup LH 34	1	*****	403026	403026	*****	403159	403159
C/S Brg Cup RH 35	1	*****	403026	403026	*****	403159	403159
C/S Brg Cone LH 36	1	*****	906257	906257	*****	907260	907260
C/S Brg Cone RH 37	1	*****	906257	906257	*****	907260	907260
Input Brg Cup LH 30	1	403026	403026	403026	304802	304802	304802
Input Brg Cone LH 32	1	906260	906260	906260	402041	402041	402041
Input Brg Cup RH 31	1	403026	403026	403026	403159	403159	403159
Input Brg Cone RH 33	1	906260	906260	906257	907260	907260	402054

Description	Qty	TA8407H (15:1 - 25:1)	TA8407H (40:1)	TA9415H (15:1 - 25:1)	TA9415H (40:1)	TA10507H (15:1 - 25:1)	TA10507H (40:1)
Bearing Kit P/N	1	908129	908130	909129	909130	910129	910130
Brg Kit Components:							
Brg cup Output 24	2	403105	403105	403110	403110	910250	910250
Brg Cone Output 25	2	402147	402147	402160	402160	910251	910251
C/S Brg Cup LH 34	1	41162606BE	41162606BE	403036	403036	403087	403087
C/S Brg Cup RH 35	1	41162606BE	41162606BE	403036	403036	403087	403087
C/S Brg Cone LH 36	1	41162605BM	41162605BM	304701	304701	402023	402023
C/S Brg Cone RH 37	1	908253	908253	304701	304701	402023	402023
Input Brg Cup LH 30	1	908259	908259	403036	403036	402231	402231
Input Brg Cone LH 32	1	908260	908260	304701	304701	402232	402232
Input Brg Cup RH 31	1	908256	304804	41162606BE	304804	41162606BE	304804
Input Brg Cone RH 33	1	908257	908258	41162605BM	908258	41162605BM	908258

Description	Qty	TA12608H (15:1 - 25:1)	TA12608H (40:1)
Bearing Kit P/N	1	912129	912130
Brg Kit Components:			
Brg cup Output 24	2	912250	912250
Brg Cone Output 25	2	912251	912251
C/S Brg Cup LH 34	1	402233	402233
C/S Brg Cup RH 35	1	402233	402233
C/S Brg Cone LH 36	1	912253	912253
C/S Brg Cone RH 37	1	912253	912253
Input Brg Cup LH 30	1	402231	402231
Input Brg Cone LH 32	1	402232	402232
Input Brg Cup RH 31	1	403036	403036
Input Brg Cone RH 33	1	304701	912258

DODGE TXT T-A GEAR CHART

WITH TOOTH COUNT AND GEAR & PINION PART NUMBERS

For use in identifying reducer ratio when nameplate is missing, also vibration analysis and identifying individual gear/pinion part numbers.

TXT Size/Ratio	HS PINION		HS GEAR		C/S PINION		LS GEAR	
	Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number
105	13	251020	-----	-----	-----	-----	73	241007
115	21	241302	53	241170	12	241216	73	241007
125	14	241200	59	241171	12	241216	73	241007
205	14	242214	-----	-----	-----	-----	74	242181
215	24	242186	64	242008	14	242185	74	242181
225	16	242187	71	242005	14	242185	74	242181
305	15	243183	-----	-----	-----	-----	84	243222
315	25	243059	62	243214	14	243185	84	243222
325	17	243058	70	243212	14	243185	84	243222
405	17	244122	-----	-----	-----	-----	96	244188
415	23	244225	58	244214	16	244185	96	244188
425	16	244226	65	244212	16	244185	96	244188
505	15	245140	-----	-----	-----	-----	85	245186
515	28	245530	71	245214	14	245185	85	245186
525	19	245531	80	245212	14	245185	85	245186
605	15	256028	-----	-----	-----	-----	85	246295
615	34	246290	92	246292	15	246294	85	246295
625	23	246291	102	246293	15	246294	85	246295
705	14	257044	-----	-----	-----	-----	75	247215
715	32	247370	91	247008	14	247002	75	247215
725	22	247371	101	247005	14	247002	75	247215
805	14	258033	-----	-----	-----	-----	77	248215
815	31	248370	85	248213	14	248002	77	248215
825	21	248371	94	248214	14	248002	77	248215
905	13	259034	-----	-----	-----	-----	70	021764
915	26	272074	73	249008	13	249006	70	021764
925	17	272106	81	249005	13	249006	70	021764
1015	26	250300	73	250301	15	272249	81	250007
1025	18	250004	81	250005	15	272249	81	250007
1215	58	272690	127	272026	15	272006	102	272007
1225	40	272691	145	272005	15	272006	102	272007

Note: TDT13 & 14 are 25:1 ratio only. TDT15 is 30:1 ratio only.

DODGE TORQUE ARM II GEAR CHART

WITH TEETH COUNT AND PART NUMBERS BY POSITION

Can be used to identify ratio when nameplate is missing. Count teeth or locate part number etching on piece and compare to chart.

May be used to locate tooth count information necessary for vibration analysis.

Replacement gear & pinion part numbers may be selected from chart if reducer size is known.

T-A II Size	Ratio	INPUT PINION		FIRST GEAR		COSHAFT PINION		OUTPUT GEAR		EXACT RATIO
		Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number	
TA0107	5:1	15	900222A	-----	-----	-----	-----	78	900208	5.200
	9:1	26	900221A	33	900217	11	900209	78	900208	9.000
	15:1	19	900220A	40	900215	11	900209	78	900208	14.928
	20:1	15	963081A	43	963080	11	900209	78	900208	20.327
	25:1	13	900219A	46	900213	11	900209	78	900208	25.091
	40:1	11	900218A	48	900211	11	900209	78	900208	30.942
TA1107	5:1	17	901222A	-----	-----	-----	-----	85	901208	5.000
	9:1	26	901221A	33	901217	12	901209	85	901208	8.990
	15:1	19	901220A	40	901215	12	901209	85	901208	14.912
	20:1	15	963083A	43	963082	12	901209	85	901208	20.306
	25:1	13	901219A	46	901213	12	901209	85	901208	25.064
	40:1	11	901218A	48	901211	12	901209	85	901208	30.909
TA2115	5:1	20	902222	-----	-----	-----	-----	104	902208	5.200
	9:1	29	902221	33	902217	13	902209	104	902208	9.103
	15:1	21	902220	41	902215	13	902209	104	902208	15.619
	20:1	17	963085	46	963084	13	902209	104	902208	21.647
	25:1	15	902219	47	902213	13	902209	104	902208	25.067
	40:1	12	902218	50	902211	13	902209	104	902208	33.333
TA3203	5:1	23	903222	-----	-----	-----	-----	113	903208	4.913
	9:1	31	903221	38	903217	15	903209	113	903208	9.234
	15:1	23	903220	46	903215	15	903209	113	903208	15.067
	20:1	18	963087	52	963086	15	903209	113	903208	21.763
	25:1	16	903219	53	903213	15	903209	113	903208	24.954
	40:1	13	903218	56	903211	15	903209	113	903208	32.451
TA4207	5:1	24	904222	-----	-----	-----	-----	120	904208	5.000
	9:1	39	904221	48	904217	16	904209	120	904208	9.231
	15:1	29	904220	58	904215	16	904209	120	904208	15.000
	20:1	22	963089	64	963088	16	904209	120	904208	21.818
	25:1	20	904219	67	904213	16	904209	120	904208	25.125
	40:1	14	904218	73	904211	16	904209	120	904208	39.107

(continued next page)

DODGE TORQUE ARM II GEAR CHART

WITH TEETH COUNT AND PART NUMBERS BY POSITION

T-A II Size	Ratio	INPUT PINION		FIRST GEAR		COSHAFT PINION		OUTPUT GEAR		EXACT RATIO
		Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number	Number of Teeth	Part Number	
TA5215	5:1	19	905222	-----	-----	-----	-----	97	905208	5.105
	9:1	39	905221	48	905217	13	905209	97	905208	9.183
	15:1	29	905220	58	905215	13	905209	97	905208	14.923
	20:1	22	963091	64	963090	13	905209	97	905208	21.706
	25:1	20	905219	67	905213	13	905209	97	905208	24.996
	40:1	14	905218	73	905211	13	905209	97	905208	38.907
TA6307	5:1	18	906222	-----	-----	-----	-----	89	906208	4.944
	9:1	33	906221	41	906217	12	906209	89	906208	9.215
	15:1	24	906220	50	906215	12	906209	89	906208	15.451
	25:1	17	906219	57	906213	12	906209	89	906208	24.868
	40:1	12	906218	62	906211	12	906209	89	906208	38.319
TA7315	5:1	16	907222	-----	-----	-----	-----	83	907208	5.188
	9:1	42	907221	59	907217	12	907298	83	907208	9.716
	15:1	32	907220	69	907215	12	907298	83	907208	14.914
	25:1	22	907219	79	907213	12	907298	83	907208	24.847
	40:1	15	907218	86	907211	12	907298	83	907208	39.656
TA8407	15:1	32	908220	74	908215	13	908209	85	908208	15.120
	25:1	22	908219	84	908213	13	908209	85	908208	24.965
	40:1	15	908218	91	908211	13	908209	85	908208	39.667
TA9415	15:1	34	909220	79	909215	12	909209	78	909208	15.103
	25:1	23	909219	90	909213	12	909209	78	909208	25.435
	40:1	16	909218	97	909211	12	909209	78	909208	39.406
TA10507	15:1	28	910220	68	910215	14	910209	87	910208	15.092
	25:1	19	910219	77	910213	14	910209	87	910208	25.184
	40:1	13	910218	83	910211	14	910209	87	910208	39.676
TA12608	15:1	30	912220	78	912215	16	912209	91	912208	14.788
	25:1	20	912219	88	912213	16	912209	91	912208	25.025
	40:1	14	912218	94	912211	16	912209	91	912208	38.188

DODGE TORQUE ARM INSTRUCTION MANUALS

Manuals listed are available for download in .pdf format by going to PTPlace.com and selecting the Dodge link shown there. Next click the "Literature" drop down from menu and then click "Catalogs". Select "Instruction Manuals" from the choices on Literature page. You will now see an extensive list of Dodge instructions manuals from which to choose. Each reducer manual includes a parts list drawing and parts list for the applicable sizes. A search feature is available on the web site to locate the manual number quickly.

ACCESSORIES

DESCRIPTION	INSTRUCTION MANUAL
TORQUE ARM Cooling Fans TXT & TDT	499365
TORQUE ARM-Belt Guard-TXT-SCXT	499448
TORQUE ARM & MAXUM-Water Cooled Heat Exchanger	499768
TORQUE-ARM Reducer Backstops	499838
TORQUE-ARM Reducer Bottom Motor Mount	499390
TORQUE ARM Reducer Long Side & Short Side Mounting Brackets	499573
TORQUE ARM Reducer Motor Mounts TA8-TA15	499368
TORQUE ARM Reducer Motor Mounts TXT1-TXT7	499369
TORQUE ARM Reducer Replacement Seals	499565
TORQUE ARM Reducer Screw Conveyor Drive Auxiliary Seal Kit SCXT1-8	499783
TORQUE ARM Reducer Taconite Auxiliary Seal Kits TXT6-TDT15, TXT605-TXT905	499344

HYDROIL

HYDROIL Taper Bushed Reducers HSCXT1 – HSCXT7	499375
HYDROIL Screw Conveyor Drive HSCXT 1A – HSCXT 8A	499305
HYDROIL Taper Bushed Reducers HSCXT105 – HSCXT505A	499375
HYDROIL Screw Conveyor Drive 6B HSCXT3A – HSCXT7	499936
HYDROIL Screw Conveyor Drive 6B HSCXT3B – HSCXT7A	499304
HYDROIL Taper Bushed Reducers HXT1 – HXT5A	499841 (no .pdf)
HYDROIL Taper Bushed Reducers HXT1A – HXT10A	499304
HYDROIL Taper Bushed Reducers HXT105 & HXT505A	499921 (no .pdf)
HYDROIL Taper Bushed Reducers HXT105 & HXT205	499827
HYDROIL Taper Bushed Reducers HXT305A - HXT505A	499828
HYDROIL Taper Bushed Reducers HXT325A, HXT425A, HXT525B	499829
HYDROIL Taper Bushed Reducers HXT625 & HXT725	499830
HYDROIL Vane Motors	499521

RIGHT ANGLE

RS304 Right Angle Reducer-Parts Replacement	499771
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SCREW CONVEYOR (TORQUE TWISTER)

Screw Conveyor Drive SCXT 105 & 205	499781
Screw Conveyor Drive SCXT 105 & SCXT705	499375
Screw Conveyor Drive SCXT 109,115,125,209,215,225	499840
Screw Conveyor Drive SCXT1 – SCXT8	499375
Screw Conveyor Drive SCXT1A – SCXT8A	499305
Screw Conveyor Drive SCXT 305, 405 & 505 -	499924
Screw Conveyor Drive SCXT 305A, 405A, 505A	499836
Screw Conveyor Drive SCXT 309A,315A,325A,409A,415A,425A,509B,515B,525B	499837
Screw Conveyor Drive SCXT 605 & 705	499349
Screw Conveyor Drive SCXT 609,615,625,709,715,725	499917
Screw Conveyor Drive Motor Mounts	499447
TORQUE ARM Reducer MIMA Wrapper SCXT 225	499843
TORQUE ARM Reducer MIMA Wrapper SCXT 325A	499844
TORQUE ARM Speed Reducer Taper Bushed WSCXT115 & 125 (Washex)	499938

SHAFT MOUNT

TORQUE ARM Reducer TD015 & TD025	499946
TORQUE ARM Reducer Straight Bore & Taper Bushed TD1-TD6	499814
TORQUE ARM Reducer TD6A w/Timken Taper Roller Bearings	499590
TORQUE ARM Reducer Straight Bore & Taper Bushed TD7 & TD8	499813
TORQUE ARM Reducer TD815A & TD825A	499531
TORQUE ARM Reducer TD915,926 & TD1015,1024	499934
TORQUE ARM Reducer TD1125	499909
TORQUE ARM Reducer TD1225	499529

DODGE TORQUE ARM INSTRUCTION MANUALS

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SHAFT MOUNT

DESCRIPTION	MANUAL NUMBER
TORQUE ARM Reducer Straight Bore & Taper Bushed TDT1 – TDT5	499350
TORQUE ARM Reducer Straight Bore & Taper Bushed TDT6-TDT7	499351
TORQUE ARM Reducer Straight Bore & Taper Bushed TDT8-TDT10	499352
TORQUE ARM Reducer Taper Bushed TDT12-TDT15	499354
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT/HXT105-109, 115-125, 205-209, 215-225	499332
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT105 & 205	499919
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT109-125, 209-225	499839
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT109-125, TXT209-225, TXT309-325, TXT409-425, TXT509A-525A	499923
TORQUE ARM Straight Bore & Taper Bushed TXT1A – TXT10A	499304
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT/HXT 305A-505A, 309A-525B, 609-725, TXT605, 705	499392
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT3A - TXT5B	499833 (no .pdf)
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT605 & TXT705	499359
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT 609-625, 709-725	499916
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT/HXT609A-615A-625A, TXT/HXT709A-715A-725A	499307
TORQUE ARM Straight Bore & Taper Bushed Reducer TXT805, TXT905	499348
TORQUE ARM Straight Bore & Taper Bushed Reducer TXT815, 825, 915, 925, 1015, 1024	499347
TORQUE ARM Reducer Straight Bore & Taper Bushed TXT815A, TXT825A, TXT915A, TXT925A, TXT1015A, TXT1024A	499308
TORQUE ARM Reducer Straight Bore TXT1225	499846
TORQUE ARM Straight Bore & Taper Bushed Reducer TXT12, TDT13-15	499353
TORQUE ARM Reducer Straight Bore Special TXT305A for Conair Group	499847
TORQUE ARM Reducer Tapered Bushings Installation - All Sizes	499629
TORQUE ARM ABHS Reducers TXT109-225	499338
TORQUE ARM ABHS Reducers TXT109-525B	499337
TORQUE ARM ABHS Reducers TXT109A-525C	499995
TORQUE ARM Reducer Metric Size TXTM1-TXTM12 & TXTM105-TXTM905	499831

TORQUE ARM II

TORQUE ARM II Cooling Fan Assemblies	499386
TORQUE ARM II Metric Cooling Fan	499328
TORQUE ARM II Metric Speed Reducer	499329
TORQUE ARM II Reducers Ratios 5, 9, 15, 25 & 40:1	499314
TORQUE ARM II Screw Conveyor Adapter Assemblies	499384
TORQUE ARM II Speed Reducer Backstop Assemblies	499381
TORQUE ARM II Speed Reducer Motor Mount	499376
TORQUE ARM II Motorized Speed Reducers	499299
TORQUE ARM II Speed Reducer Tapered & Short Shaft Bushing Assemblies	499382
TORQUE ARM II Taper Bushed 20:1 ratio	499388
TORQUE ARM II Vertical Breather Kit	499383
TORQUE ARM II Vertical Breather Kit	499387

Dodge Torque-Arm Reducer Interchange

Obsolete Series to Current TXT Equivalent

15:1			
----	TD015	-----	-----
#1	TD115	TDT115	TXT115
#2	TD215	TDT215	TXT215
#3	TD315	TDT315	TXT315
#4	TD415	TDT415	TXT415
#5	TD515	TDT515	TXT515
#6	TD615	TDT615	TXT615
#7	TD715	TDT715	TXT715
#8	TD815	TDT815	TXT815
#9	TD915	TDT915	TXT915
-----	TD1015	TDT915	TXT915
-----	-----	TDT1115	-----
-----	-----	TDT1215	TXT1215

5:1		
#10	#10	-----
#11	T11	TXT105
#12	T12	TXT205
#13	T13	TXT305
#14	T14	TXT405
#15	T15	TXT505
#16	T16	TXT605
#17	T17	TXT705
#18	T18	TXT805
#19	T19	TXT905

9:1		
-----	-----	TXT109
-----	-----	TXT209
-----	-----	TXT309
-----	-----	TXT409
-----	-----	TXT509
-----	-----	TXT609
-----	-----	TXT709

25:1		
TD025	-----	-----
TD125	TDT125	TXT125
TD225	TDT225	TXT225
TD325	TDT325	TXT325
TD425	TDT425	TXT425
TD525	TDT525	TXT525
TD625	TDT625	TXT625
TD725	TDT725	TXT725
TD825	TDT825	TXT825
TD926	TDT926	TXT926
TD1024	TDT1024	TXT1024
TD1125	TDT1125	-----
TD1225	TDT1225	TXT1225
TD1325	TDT1325	TDT1325
TD1425	TDT1425	TDT1425
-----	TDT1530	TDT1530

Note: The "#" series "T" and "TD" series were manufactured with straight bore output hubs only. TDT and TXT series reducers have straight bore or twin taper bore options.

OUTPUT HUB CONVERSION

STRAIGHT BORE TO TAPER BORE HUB

For a size not listed contact Dodge renewal parts.

Note: Taper bore bushings not included. Select from Dodge catalog based on bore size required.

REDUCER SIZE		TD1-TDT1 TXT1-TXT1A	TD2-TDT2 TXT2-TXT2A	TD3-TDT3	TXT3	TXT3A-TXT3B	TD4-TDT4
Description	Qty	Part Numbers Required:					
Output Hub-TB	1	241265	242134	243307	243307	243556	244091
Output Gear	1 or 0	-----	-----	243213 (1)	-----	-----	-----
Output Gear Key	1 or 0	-----	-----	243216 (1)	-----	-----	-----
Bushing Back-up Plates	2	241266	232137	243308	243308	243308	244099
Snap Ring	2 or 0	-----	-----	421021	-----	-----	-----
Retaining Rings	2	421111	421112	421109	421109	421109	421108
Seal Kit	1	241340	242340	243340	243340	389720	244340
Hub Bearings	2	424020	424022	424024	424024	389589	424026

REDUCER SIZE		TXT4	TXT4A-TXT4B	TD5-TDT5	TXT5-TXT5A	TXT5B-TXT5C	TD6-TD6A
Description	Qty	Part Numbers Required:					
Output Hub-TB	1	244091	244588	245113	245113	245590	Can't be converted
Output Gear	1 or 0	-----	-----	245213	-----	-----	
Output Gear Key	1 or 0	-----	-----	245216	-----	-----	
Bushing Back-up Plates	2	244099	244099	245114	245114	245114	
Snap Ring	2 or 0	-----	-----	421030	-----	-----	
Retaining Rings	2	421108	421108	421107	421007	421107	
Seal Kit	1	392121	389721	245340	245340	389722	
Hub Bearings	2	424026	389592	424028	424028	389596	

REDUCER SIZE		TD6-TXT6 TXT6A	TD7-TD7A	TD7-TXT7 TXT7A	TD8	TD8A-TDT8 TXT8-TXT8A	TD9-TDT9
Description	Qty	Part Numbers Required:					
Output Hub-TB	1	246269	Can't be converted	272137	Can't be converted	272036	390949 (1)
Bushing Back-up Plates	2	246270		272138		272037	272082
Retaining Rings	2	421055		421099		421098	421097
Seal Kit	1	246340		247345		248340	249340
Hub Bearings	2	389736		389739		240122	240123

REDUCER SIZE		TXT9-TXT9A	TD10-TDT10 TD10-TXT10
Description	Qty	Part Numbers Required:	
Output Hub-TB	1	249140	272241
Bushing Back-up Plates	2	272082	272242
Retaining Rings	2	421097	421069
Seal Kit	1	249340	272460
Hub Bearings	2	240123	240124

(1) Hub design changes makes it necessary to order new gear & key along with hub.

Dodge TDT-TXT Torque Arm Rebuild Kits.

Level 1 Kit includes input and output seals, set of bearings, shim kit, sealant and instruction manual. Kit provides normal protection against down time due to failure of high wear items.

Level 2 Kit includes all items in Level 1 along with input pinion and 1st stage gear. Kit provides maximum protection against down time.

Rebuild kits available for sizes listed below. For sizes not listed it is recommended that seal kit, bearing kit and shim kit be ordered for Level 1 coverage. Add input pinion and gear for Level 2 protection.

TXT-TDT Rebuild Kits			
Size	Size/Ratio	Level 1	Level 2
TXT1	TXT109	392270	392271
	TXT115		392272
	TXT125		392273
TXT1A	TXT109A	392270	392271
	TXT115A		392272
	TXT125A		392273
TXT2	TXT209	392274	392275
	TXT215		392276
	TXT225		392277
TXT2A	TXT209A	392274	392275
	TXT215A		392276
	TXT225A		392277
TXT3A	TXT309A	392278	392279
	TXT315A		392280
	TXT325A		392281
TXT3B	TXT309B	392278	392279
	TXT315B		392280
	TXT325B		392281
TXT4A	TXT409A	392282	392283
	TXT415A		392284
	TXT425A		392285
TXT4B	TXT409B	392282	392283
	TXT415B		392284
	TXT425B		392285
TXT5B	TXT509B	392286	392288
	TXT515B		392289
	TXT525B		392290
TXT5C	TXT509C	392286	392288
	TXT515C		392289
	TXT525C		392290
TXT-TDT6	TXT609	392291	392292
	TXT615		392293
	TXT625		392294
TXT6A	TXT609A	392291	392292
	TXT615A		392293
	TXT625A		392294
TXT7-TDT7	TXT709	392295	392296
	TXT715		392297
	TXT725		392298

TXT-TDT Rebuild Kits			
Size	Size/Ratio	Level 1	Level 2
TXT7A	TXT709A	392295	392296
	TXT715A		392297
	TXT725A		392298
TXT-TDT8	TXT815	392299	392300
	TXT825		392301
TXT8A	TXT815A	392299	392300
	TXT825A		392301
TXT-TDT9	TXT915	392302	392303
	TXT926		392304
TXT9A	TXT915A	392302	392303
	TXT926A		392304
TXT-TDT10	TXT1015	392305	392306
	TXT1024		392307
TXT10A	TXT1015A	392305	392306
	TXT1024A		392307
TXT-TDT12	TXT1215	392308	392309
	TXT1225		392310
TDT13	TDT1325	392311	392312
TDT14	TDT1425	392313	392314
TDT15	TDT1530	392315	392316

TXT Rebuild Kits 5:1 Ratio	
Size	Level 1
TXT105	392379
TXT205	392380
TXT305A	392381
TXT405A	392382
TXT505A	392383
TXT605	392384
TXT705	392385
TXT805	392386
TXT905	392387

A full color brochure featuring Torque Arm Rebuild Kits is available from our Powerplus Performance web site. It is an excellent handout to present your customers. Order publication RAPS-1662-2 at <http://www.powerplusperformance.com/>

Dodge SCXT Torque Arm Rebuild Kits.

Level 1 Kit includes input and output seals, set of bearings, shim kit, sealant and instruction manual. Kit provides normal protection against down time due to failure of high wear items.

Level 2 Kit includes all items in Level 1 along with input pinion and 1st stage gear. Kit provides maximum protection against down time.

Rebuild kits available for sizes listed below. For sizes not listed it is recommended that seal kit, bearing kit and shim kit be ordered for Level 1 coverage. Add input pinion and gear for Level 2 protection.

SCXT Rebuild Kits			
Size	Size/Ratio	Level 1	Level 2
SCXT1	SCXT109	392395	392398
	SCXT115		392399
	SCXT125		392400
SCXT1A	SCXT109A	392395	392398
	SCXT115A		392399
	SCXT125A		392400
SCXT2	SCXT209	392396	392401
	SCXT215		392402
	SCXT225		392403
SCXT2A	SCXT209A	392396	392401
	SCXT215A		392402
	SCXT225A		392403
SCXT3A	SCXT309A	392278	392279
	SCXT315A		392280
	SCXT325A		392281
SCXT3B	SCXT309B	392278	392279
	SCXT315B		392280
	SCXT325B		392281
SCXT4A	SCXT409A	392282	392283
	SCXT415A		392284
	SCXT425A		392285
SCXT4B	SCXT409B	392282	392283
	SCXT415B		392284
	SCXT425B		392285
SCXT5B	SCXT509B	392287	392288
	SCXT515B		392289
	SCXT525B		392290
SCXT5C	SCXT509C	392287	392288
	SCXT515C		392289
	SCXT525C		392290
SCXT6	SCXT609	392291	392292
	SCXT615		392293
	SCXT625		392294
SCXT6A	SCXT609A	392291	392292
	SCXT615A		392293
	SCXT625A		392294
SCXT7	SCXT709	392295	392296
	SCXT715		392297
	SCXT725		392298

SCXT Rebuild Kits			
Size	Size/Ratio	Level 1	Level 2
SCXT7A	SCXT709A	392295	392296
	SCXT715A		392297
	SCXT725A		392298
SCXT8	SCXT815	392397	392404
	SCXT825		392405
SCXT8A	SCXT815A	392397	392404
	SCXT825A		392405

SCXT Rebuild Kits 5:1 Ratio	
Size	Level 1
SCXT105	392388
SCXT205	392389
SCXT305A	392390
SCXT405A	392391
SCXT505A	392392
SCXT605	392393
SCXT705	392394

A full color page brochure featuring Torque Arm Rebuild Kits is available from our Powerplus Performance web site. It is an excellent handout to present your customers. Order publication RAPS-1662-2 at <http://www.powerplusperformance.com/>

Dodge Torque Arm II Rebuild Kits

Level 1 Kit includes input and output seals, auxillary seals, set of bearings, shim set, housing sealant and instruction manual. Kit provides protection against downtime due to fatigue of high wear components.

Level 2 Kit includes all items in Level 1 Kit plus high speed input pinion and mating 1st stage gear. provides maximum protection against downtime (part number is Level 1 kit part number + ratio).

Size	Ratio	Level 1	Level 2
TA0107L	5:1	900135	9001355
	9:1	900136	9001369
	15:1		90013615
	25:1		90013625
	40:1		90013640
TA1107H	5:1	901135	9011355
	9:1	901136	9011369
	15:1		90113615
	25:1	901137	90113725
	40:1		90113740
TA2115H	5:1	902135	9021355
	9:1	902136	9021369
	15:1		90213615
	25:1		90213625
	40:1		90213740
TA3203H	5:1	903135	9031355
	9:1	903136	9031369
	15:1		90313615
	25:1		90313625
	40:1	903137	90313740
TA4207H	5:1	904135	9041355
	9:1	904136	9041369
	15:1		90413615
	25:1		90413625
	40:1	904137	90413740
TA5215H	5:1	905135	9051355
	9:1	905136	9051369
	15:1		90513615
	25:1	905137	90513725
	40:1	905138	90513840

Size	Ratio	Level 1	Level 2
TA6307H	5:1	906135	9061355
	9:1	906136	9061369
	15:1		90613615
	25:1	906137	90613725
	40:1		90613740
TA7315H	5:1	907135	9071355
	9:1	907136	9071369
	15:1		90713615
	25:1		90713625
	40:1	907137	90713740
TA8407H	15:1	908136	90813615
	25:1		90813625
	40:1	908137	90814740
TA9415H	15:1	909136	90913615
	25:1	909137	90913625
	40:1		90913740
TA10507H	15:1	910136	91013615
	25:1		91013625
	40:1	910137	91013740
TA12608H	15:1	912136	91213615
	25:1		91213625
	40:1	912137	91213740

NOTE: A color brochure featuring Torque Arm Rebuild Kits is available from our Powerplus Performance web site. It is an excellent handout to present your customers. Order publication RAPS-1662-2 at <http://www.powerplusperformance.com/>

Oil Level Sight Gages

TDT - TXT - TAIL - MAXUM Reducers

Reducer	Part No.	Thread	Type
TDT-TXT1-4 MAXUM 1-4 TAIL 0-3	430120	3/8"-18	Clear Window Open Back
TDT-TXT5-6 MAXUM 5-6	430121	1/2"-14	Clear Window Open Back
TDT-TXT7-15 TAIL 4-12	430159	3/4"-14	Clear Window Open Back
MAXUM 7-12	430161	1"-11-1/2	Clear Window Open Back

REBUILD KIT ACCESSORIES

Note: Gear lube and touch up paint are not included in rebuild kits. They can be very useful items to have on hand for a reducer rebuild. Order as required.

Lubricant:

It is important that a rebuilt reducer be refilled with fresh lubricant of the proper viscosity. To make this an easy selection we gave prepackaged the required volume of factory recommended lubricant which may be ordered along with the rebuild kit. See DODGE TORQUE-ARM LUBE KITS chart below.



NOTE: Dodge Torque-Arm Reducers are shipped dry. Lubricant can be ordered from table below to ship along with a new reducer. A complete package with measured amount of lube is delivered to end customer.

Dodge Torque-Arm Lube Kits

Kits contain standard recommended mineral oil ISO220 in volumes sufficient for all recommended mounting positions.

TXT Reducers	
Size	Kit Part Number
TXT1	LUBEKITTXT1
TXT105	LUBEKITTXT105
TXT2	LUBEKITTXT2
TXT205	LUBEKITTXT205
TXT3	LUBEKITTXT3
TXT305	LUBEKITTXT305
TXT4	LUBEKITTXT4
TXT405	LUBEKITTXT405
TXT5	LUBEKITTXT5
TXT505	LUBEKITTXT505
TXT6	LUBEKITTXT6
TXT605	LUBEKITTXT605
TXT7	LUBEKITTXT7
TXT705	LUBEKITTXT705
TXT8	LUBEKITTXT8
TXT805	LUBEKITTXT805

TXT Reducers	
TXT9	LUBEKITTXT9
TXT905	LUBEKITTXT905
TXT10	LUBEKITTXT10
TXT12	LUBEKITTXT12
TXT13	LUBEKITTXT13
TXT14	LUBEKITTXT14
TXT15	LUBEKITTXT15

TorqueArm II Reducers	
Size	Kit Part Number
TA0107	LUBEKITTA0107
TA1107	LUBEKITTA1107
TA2115	LUBEKITTA2115
TA3203	LUBEKITTA3203
TA4207	LUBEKITTA4207
TA5215	LUBEKITTA5215
TA6307	LUBEKITTA6307
TA7315	LUBEKITTA7315
TA8407	LUBEKITTA8407
TA9415	LUBEKITTA9415
TA10507	LUBEKITTA10507
TA12608	LUBEKITTA12608

Dodge-Reliance Blue-Green Touch Up Paint

To restore damaged paint following a rebuild you may order Dodge part number 810001 on PTPlace.com. This is a 12 oz aerosol spray can of factory original Reliance Blue-Green Enamel. See TOUCH UP AEROSOL SPRAY PAINT in following chart.

Touch Up Aerosol Spray Paint

Part Number	Volume	Description/Color
810001	12 oz	Reliance Blue-Green Enamel
810002	12 oz	Epoxy White
810003	13 oz	Stainless Steel

TXT/SCXT/TA II SUPER SHIM KITS

Each kit contains a complete set of shims for the TXT or SCXT reducer size. Kit consists of two each of shim sizes making it necessary to order only one Super Shim Kit per reducer. For sizes not listed refer to reducer maintenance manual. See Instruction Manual List in this publication.

TXT/SCXT Super Shim Kits	
Reducer Size	Part Number
SCXT1 - 1A (1)	391056
SCXT105 (1)	391056
SCXT2 - 2A (1)	391059
SCXT205 (1)	392160
TXT/SCXT3A - 3B	243139
TXT305A	240125
TXT/SCXT4A - 4B	244153
TXT405A	240126
TXT/SCXT5B - 5C	245139
TXT505A	240127
TXT/SCXT6 - 6A	246166
TXT605	246166
TXT/SCXT7 - 7A	247138
TXT705	240121
TXT/SCXT8 - 8A	248111
TXT805	248111
TXT9 - TXT9A	249139
TXT905	249139

TXT/SCXT Super Shim Kits	
TXT10 - TXT10A	272610
TXT12 - TXT12A	272611
TXT13	272612
TDT14	272613
TDT15	272614

TXT/SCXT Shim Identification

Shims are color coded by thickness.

Thickness	Color
.002	Red
.005	Blue
.010	Brown
.025	White

(1) No shim kit required for TXT1 & 2.
Units are ball bearing throughout.

TA II Super Shim Kits	
Reducer Size	Part Number
TA0	900180
TA1	901180
TA2	902180
TA3	903180
TA4	904180
TA5	905180
TA6	906180
TA7	907180
TA8	908180
TA9	909180
TA10	910180
TA12	912180

Note: TA II shims are not color coded.

DODGE MOTORIZED TORQUE ARM II SHIM KITS - MTA

Description	Qty	Gearmotor & C-face	
		TA1107H	TA3203H
		Part No.	Part No.
output shim kit	1	901132	903132
input shim kit	1	901133A	903134
c/s brg shim kit	1	901134	903134
Complete Shim Kit	1	901180	903180

Note: Bearing shim kits do not include #65 motor & c-adaptor to reducer shims.
Those may be ordered separately if needed.

DODGE TORQUE ARM SEALS - TXT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (qty 2)
TXT105	TXT105	272700	242220	242211	241210
TXT1	TXT109-115-125	392119	242220	241457	241210
TXT1A	TXT109A-115A-125A	392119	242220	241457	241210
TXT205	TXT205	272701	243220	244211	242210
TXT2	TXT209-215-225	392120	243220	242211	242210
TXT2A	TXT209A-215A-225A	392120	243220	242211	242210
TXT305	TXT305	272702	243220	253013	243210
TXT305A	TXT305A	389726	253176	351123	243578
TXT3	TXT309-315-325	243340	243220	243211	243210
TXT3A	TXT309A-315A-325A	389720	243561	243558	243578
TXT3B	TXT309B-315B-325B	389720	243561	243558	243578
TXT405	TXT405	272703	254020	245211	244210
TXT405A	TXT405A	389727	254221	355011	244673
TXT4	TXT409-415-425	392121	254020	244211	244210
TXT4A	TXT409A-415A-425A	389721	244593	244524	244673
TXT4B	TXT409B-415B-425B	389721	244593	244524	244673
TXT505	TXT505	272704	255020	255013	245210
TXT505A	TXT505A	389728	255020	245546	245545
TXT5	TXT515-525	245340	245220	245211	245210
TXT5A	TXT509A-515A-525A	392372	245220	355011	245210
TXT5B	TXT509B-515B-525B	389722	245220	355011	245545
TXT5C	TXT509C-515C-525C	389722	245220	355011	245545
TXT605	TXT605	272705	246220	256032	246310
TXT6	TXT609-615-625	246340	246220	242210	246310
TXT6A	TXT609A-615A-625A	246340	246220	242210	246310
TXT705	TXT705	247345	246220	242210	247310
TXT7	TXT709-715-725	247345	246220	242210	247310
TXT7A	TXT709A-715A-725A	247345	246220	242210	247310
TXT805	TXT805	248340	248220	248211	258019
TXT8	TXT815-825	248340	246220	248211	258019
TXT8A	TXT815A-825A	248340	246220	248211	258019
TXT905	TXT905	272708	259038	248211	249210
TXT9	TXT915-926	249340	248220	248211	249210
TXT9A	TXT915A-926A	249340	248220	248211	249210
TXT10	TXT1015-1024	272460	248220	248211	250010
TXT10A	TXT1015A-1024A	272460	248220	248211	250010
TXT12	TXT1215-1225	392369	248220	272211	272010

DODGE TORQUE ARM SEALS - TDT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (qty 2)	Input Wear Ring	Output W/R (Qty 2)
TDT1	TDT115-125	241340	241220	241211	241210	-----	-----
TDT2	TDT215-225	242340	242220	242211	242210	-----	-----
TDT3	TDT315-325	243340	243220	243211	243210	-----	-----
TDT4	TDT415-425	244340	243220	244211	244210	-----	-----
TDT5	TDT515-525	245340	245220	245211	245210	-----	-----
TDT6	TDT615-625	246340	246220	242210	246310	-----	-----
TDT7	TDT715-725	247345	246220	242210	247310	-----	-----
TDT8	TDT815-825	248340	248220	248211	258019	-----	-----
TDT9	TDT915-926	249340	248220	248211	249210	-----	-----
TDT10	TDT1015-1024	272460	248220	248211	250010	-----	-----
TDT11	TDT1115-1125	392364	248220	248211	271010	-----	-----
TDT12	TDT1215-1225	392369	248220	272711	272010	-----	-----
TDT13	TDT1325	392366	272277	272270	272271	272281	272282
TDT14	TDT1425	392367	272177	272270	272271	272281	272182
TDT15	TDT1530	392368	272177	272377	272375	272376	272374

DODGE TORQUE ARM SEALS - TD

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (qty 2)
TD1	TD115-125	241340	241220	241211	241210
TD2	TD215-225	242340	242220	242211	242210
TD3	TD315-325	243340	243220	243211	243210
TD4	TD415-425	244340	243220	244211	244210
TD5	TD515-525	245340	245220	245211	245210
TD6	TD615-625	392362	246220	246211	246210
TD6A	TD615A-625A	246340	246220	242210	246310
TD7	TD715-725	392363	246220	242210	247210
TD7A	TD715A-725A	247345	246220	242210	247310
TD8	TD815-825	-----	248220	248211	248210
TD8A	TD815A-825A	248340	248220	248211	258019
TD9	TD915-926	249340	248220	248211	249210
TD10	TD1015-1024	272460	248220	248211	250010
TD11	TD1125	392364	248220	248211	271002
TD12	TD1225	392369	248220	272211	272010

DODGE TORQUE ARM SEALS - T

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (qty 2)
T11		272700	242220	242211	241210
T12		272701	243220	244211	242210
T13		272702	243220	253013	243210
T14		272703	254020	245211	244210
T15		272704	255020	255013	245210
T16		272705	246220	256032	246310
T17		247345	246220	242210	247310
T18		248340	248220	248211	258019
T19		272708	259038	248211	249210

DODGE TORQUE ARM SEALS - PLAIN NUMBERS

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (qty 2)
1		241340	241220	241211	241210
2		242340	242220	242211	242210
3		-----	242220	243211	243210
4		244340	243220	244211	244210
5		-----	243220	245211	245210
6		-----	390070	246211	246210
7		-----	390071	242210	247210
8		249340	248220	248211	249210
9		249340	248220	248211	249210
10		-----	-----	240203	014639
11		272700	248220	242211	242220
12		272701	243220	244211	242210
13		272702	243220	253013	243210
14		272703	254020	245211	244210
15		272704	255020	255013	245210
16		-----	256020	255013	246210
17		-----	257020	242210	247210
17A		247345	246220	242210	247310
18		248340	248220	248211	258019
19		249340	248220	248211	249210

DODGE TORQUE ARM SEALS - SCXT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (Qty 2)
SCXT105	SCXT105	272716	-----	242211	351113
SCXT1	SCXT109-115-125	272711	-----	241457	351113
SCXT1A	SCXT109A-115A-125A	272711	-----	241457	351113
SCXT205	SCXT205	272717	-----	252063	352113
SCXT2	SCXT209-215-225	272712	-----	242211	352113
SCXT2A	SCXT209A-215A-225A	272712	-----	242211	352113
SCXT305	SCXT305	272718	-----	253003	353059
SCXT305A	SCXT305A	389726	253176	351123	243578
SCXT3	SCXT309-315-325	272713	-----	243211	353052
SCXT3A	SCXT309A-315A-325A	389720	243561	243558	243578
SCXT3B	SCXT309B-315B-325B	389720	243561	243558	243578
SCXT405	SCXT405	272719	-----	254063	354093
SCXT405A	SCXT405A	389727	245221	355011	244673
SCXT4	SCXT409-415-425	272714	-----	244211	354086
SCXT4A	SCXT409A-415A-425A	389721	244593	244524	244673
SCXT4B	SCXT409B-415B-425B	389721	244593	244524	244673
SCXT505	SCXT505	272720	-----	255003	355070
SCXT505A	SCXT505A	389728	255020	245546	245545
SCXT5	SCXT515-525	272715	-----	245211	355054
SCXT5A	SCXT509A-515A-525A	392370	-----	355011	355054
SCXT5B	SCXT509B-515B-525B	389722	245220	355011	245545
SCXT5C	SCXT509C-515C-525C	389722	245220	355011	245545
SCXT605	SCXT605	272705	246220	256032	246310
SCXT6	SCXT609-615-625	246340	246220	242210	246310
SCXT6A	SCXT609A-615A-625A	246340	246220	242210	246310
SCXT705	SCXT705	247345	246220	242210	247310
SCXT7	SCXT709-715-725	247345	246220	242210	247310
SCXT7A	SCXT709A-715A-725A	247345	246220	242210	247310
SCXT8	SCXT815-825	248340	248220	248211	258019
SCXT8A	SCXT815A-825A	248340	248220	248211	258019

DODGE TORQUE ARM SEALS - C

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (Qty 2)
C1	C115 - C125	272710	-----	241211	351113
C2	C215 - C225	272716	-----	242211	352113
C3	C315 - C325	272713	-----	243211	353052
C4	C415 - 425	272714	-----	244211	354086
C5	C515 - C525	272715	-----	245211	355054
C6	C615 - C625	246340	246220	242210	246310
C7	C715 - C725	247345	246220	242210	247310
C11		272716	-----	242211	351113
C12		272717	-----	252063	352113
C13		272718	-----	253013	353052
C14		272719	-----	254063	354086
C15		272720	-----	255013	355054
C16		272705	246220	256032	246310
C17		247345	246220	242210	247310

DODGE TORQUE ARM SEALS - CD & CS

Reducer Size	Seal Kit	Backstop Cover Gasket	Input Seal	Output Seal (Qty 1)
CD008 CD018	-----	-----	350011	014639 (1)
CD108A & B CD118A & B	-----	-----	351011	351010
CD208A & B CD218A & B	-----	-----	352011	352010
CD308 CD318	-----	-----	353011	242210
CD408 CD418	-----	-----	354011	243210
CD508 CD518	-----	-----	355011	355010
CD608 CD618	-----	-----	356011	356010
CS203A-CS203B	-----	-----	352011	352010
CS303	-----	-----	353011	242210
CS403	-----	-----	354011	243210
CS503	-----	-----	355011	355010

(1) Uses qty 2

DODGE MOTORIZED TORQUE ARM II (MTA) SEAL KITS

		Gearmotor Input		C-face Input	
		TA1107H	TA3203H	TA1107H	TA3203H
Description	qty	part no.	part no.	part no.	part no.
backstop cvr gasket	1	901280	903280	901280	903280
oil shield (c-face)	1	-----	-----	963330	963330
output seal	2	901286	A73109	901286	A73109
aux output seal	2	901236	903236	901236	903236
input seal (c-face)	1	-----	-----	334273	334273
input seal (grmtr)		See Note		-----	-----
Seal Kit P/N	1	236111	236112	236113	236136

Note: Input seal for gearmotor style is a part of the motor assembly. Contact Reliance renewal parts with motor model number for replacement seals.

DODGE TXT VITON SEALS

Reducer Size	Input	Output
TXT1 - TXT1A	A38953	A38952
TXT2 - TXT2A	A38954	A45669
TXT3A - TXT3B	A45670	A45671
TXT4A - TXT4B	A45672	A45655
TXT5B - TXT5C	A45673	A45674
TXT6 - TXT6A	A45669	A45676
TXT7 - TXT7A	A45669	A45656
TXT8 - TXT8A	A31480	A31561
TXT9 - TXT9A	A31480	A45659
TXT10 - TXT10A	A31480	A31481
TXT12	A31500	A31501
TDT13	A45679	A45680
TDT14	A45679	A45682
TDT15	A45683	A45684

Reducer Size	Input	Output
TXT105	A38954	A38952
TXT205	A45686	A45669
TXT305A	A45687	A45671
TXT405A	A45673	A45655
TXT505A	A45657	A45674
TXT605	A45689	A45676
TXT705	A45669	A45656
TXT805	A31480	A31561
TXT905	A31480	A45659

DODGE TORQUE ARM SEALS - HXT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gskt	Input Seal	Output Seal (Qty 2)
HXT105	(2)	392127	242220	251089	241210
HXT109-115-125		392119	242220	241457	241210
HXT109A-115A-125A		392119	242220	241457	241210
HXT205	(2)	392128	243220	252063	242210
HXT209-215-225		392125	243220	242457	242210
HXT209A-215A-225A		392125	243220	242457	242210
HXT305	(2)	392131	243220	253063	243210
HXT305A		389726	253176	351123	243578
HXT315-325		243340	243220	243211	243210
HXT309A-315A-325A		389720	243561	243558	243578
HXT309B-315B-325B		389720	243561	243558	243578
HXT405	(2)	392129	254020	254063	244210
HXT405A		389727	254221	355011	244673
HXT415-425		392121	254020	244211	244210
HXT409A-415A-425A		389721	244593	244524	244673
HXT409B-415B-425B		389721	244593	244524	244673
HXT505	(2)	392130	255020	255063	245210
HXT505A		389728	255020	245546	245545
HXT515-525		392126	245220	254063	245210
HXT515A-525A		392126	245220	254063	245210
HXT509B-515B-525B		389722	245220	355011	245545
HXT509C-515C-525C		389722	245220	355011	245545
HXT615-625	(2)	246340	246220	242210	246310
HXT615A-625A		246340	246220	242210	246310
HXT725	(2)	247345	246220	242210	247310
HXT725A		247345	246220	242210	247310

(2) Housings same as TXT and are marked with TXT case size

DODGE TORQUE ARM SEALS - HSCXT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gskt	Input Seal	Output Seal (Qty 2)
HSCXT105	(3)	272716	----	242211	351113
HSCXT109-115-125		272711	----	241457	351113
HSCXT109A-115A-125A		272711	----	241457	351113
HSCXT205	(3)	272717	----	252063	352113
HSCXT209-215-225		272712	----	242211	352113
HSCXT209A-215A-225A		272712	----	242211	352113
HSCXT305A	(3)	389726	----	351123	243578
HSCXT309A-315A-325A		389720	243561	243558	243578
HSCXT309B-315B-325B		389720	243561	243558	243578
HSCXT405A	(3)	389727	----	355011	244673
HSCXT409A-415A-425A		389721	244593	244524	244673
HSCXT409B-415B-425B		389721	244593	244524	244673
HSCXT505A	(3)	389728	----	245546	245545
HSCXT509B-515B-525B		389722	245220	355011	245545
HSCXT509C-515C-525C		389722	245220	355011	245545
HSCXT615-625	(3)	246340	246220	242210	246310
HSCXT615A-625A		246340	246220	242210	246310
HSCXT715-725	(3)	247345	246220	242210	247310
HSCXT715A-725A		247345	246220	242210	247310

(3) Housings are same as SCXT and are marked with SCXT sizes.

DODGE TORQUE ARM SEALS - HD

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gskt	Input Seal	Output Seal (Qty 2)
HD008-HD018		-----	-----	350270	014639
HD108-HD118		-----	-----	351011	351010
HD208		-----	-----	352270	352010
HD218		-----	-----	352011	352010
HD308-HD318		-----	-----	353011	242210
HD408-HD418		-----	-----	354011	243210
HD508-HD518		-----	-----	355011	355010
HD618		-----	-----	356011	356010

DODGE TORQUE ARM SEALS - HT

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gskt	Input Seal	Output Seal (Qty 2)
HT115-125		392375	241220	241457	241210
HT215-225		392376	242220	242457	242210
HT315-325		243340	243220	243211	243210
HT415-425		244340	243220	244211	244210
HT515-525		392126	245220	254063	245210
HT615-625		246340	246220	242210	246310
HT715-725		247345	246220	242210	247310

HT11		392127	242220	251089	241210
HT12		392128	243220	252063	242210
HT13		392131	243220	253063	243210
HT14		392129	254220	254063	244210
HT15		392130	255020	255063	245210

DODGE TORQUE ARM SEALS - H

Reducer Size	Size/Ratio	Seal Kit	Backstop Cover Gskt	Input Seal	Output Seal (Qty 2)
H115-125		392375	241220	241457	241210
H215-225		392376	242220	242457	242210
H315-325		243340	243220	243211	243210
H415-425		244340	243220	244211	244210
H515-525		392126	245220	254063	245210
H615-625		392377	246220	255013	246210
H615A-625A		246340	246220	242210	246310
H715-725		-----	246220	247457	247210
H715A-725A		247345	246220	242210	247310

H11		392378	242220	242457	241210
H12		392198	243220	252063	242210
H13		392131	243220	253063	243210
H14		392129	254020	254063	244210
H15		392130	255020	255063	245210

DODGE TORQUE-ARM II SEAL KITS

Torque Arm II Sizes TA0107 - TA12608

Description	Qty	TA0107L All Ratios	TA1107H All Ratios	TA2115H (5:1 - 25:1)	TA2115H (33:1)	TA3203H (5:1 - 25:1)	TA3203H (32:1)	TA4207H All Ratios
Seal Kit	1	900126	901126	902126	902127	903126	903127	904126
Seal Kit Components:								
Input Seal (1)	1	901235	901235	276285	276173	276280	242281	A73108
Input Seal (2)	1	276173	276173	*****	*****	*****	*****	*****
Aux Input Seal	1	901238	901238	902238	442023	903238	*****	904238
Output Seal	2	900286	901286	902286	902286	A73109	A73109	904286
Aux Output Seal	2	900236	901236	902236	902236	903236	903236	904236
Backstp Cvr Gasket	1	901280	901280	901280	901280	903280	903280	904280

(1) Original seal supplied with reducer using 3/4" diameter input shaft. Ceased production approximately 8/15/2003.

(2) Design change to 1" input shaft required seal change. Began production 8/15/2003.

Both seals supplied in kit. Customer is to select seal matching one in service and discard one not needed.

Description	Qty	TA5215H All Ratios	TA6307H All Ratios	TA7315H All Ratios	TA8407H All Ratios	TA9415H All Ratios	TA10507 All Ratios	TA12608 All Ratios
Seal Kit Part Number	1	905126	906126	907126	908126	909126	910126	912126
Seal Kit Components:								
Input Seal	1	905266	901286	907266	907266	907266	902286	902286
Aux Input Seal	1	905238	901236	907238	907238	907238	902236	902236
Output Seal	2	905286	906286	907286	907286	909286	910286	912286
Aux Output Seal	2	905236	906236	907236	907236	909236	910236	912236
Backstp Cvr Gasket	1	905280	906280	907280	908280	907280	910280	912280

NOTE: Screw Conveyor Adapter uses two additional seals not included in kit. See parts list drawing and select part numbers listed for ref #408 for the SCD adapter seals.

HYDROIL VANE MOTOR SERVICE KITS

Hydroil Motor Size	Qty	Seal Kit (1)	Motor Shaft	Motor Shaft Seal
A10	1	391657	391658	391659
A20	1	391657	391658	391659
B30	1	444058	444059	-----
B40	1	444061	444062	-----
B50	1	-----	-----	-----

(1) Seal kit includes motor shaft seal.

STANDARD AIR VENT ASSEMBLY (BREATHER) - TXT/SCXT & TAIL

Hooded style with stainless steel baffle and felt filter is standard for all sizes except TXT/TDT12 - 15 which is cross-drilled style (no hood & breather).

Air vents listed below replace all previous standard types. Bushing required where shown.

SIZE	THREAD	AIR VENT	BUSHING	ASSEMBLY/W BUSHING
TXT/SCXT1 - 4	3/8-18 NPT	900287	-----	-----
TXT/SCXT5 - 6	1/2-14 NPT	904287	-----	-----
TXT/SCXT7 - 10	1/2-14 NPT	904287	430079	390061
TXT/TDT12 - 15	3/4-14 NPT	271041	-----	-----
TAIL SIZE 0 - 3	3/8-18 NPT	900287	-----	-----
TAIL SIZE 4 - 12	1/2-14 NPT	904287	430079	390061

DODGE TXT - TAIL TIE ROD KITS & TORQUE ARM ASSEMBLIES

Note: Tie rod and torque arm assemblies are not affected by the the modification letter that may follow reducer size (example TXT3A). Kits may be selected from basic alpha numerical size.

Kit Components:

Tie Rod Kit consists of rod end, turnbuckle, arm extension and RH & LH nuts.

Torque Arm Assembly consists of tie rod kit plus fulcrum, fulcrum screws & nuts.

Size	Tie Rod Kit	Torque Arm Assembly
TXT1-TXT105 TDT1-TD1-TD2 T11 HXT1-HT1-HT11 H1-H2-H11-H12 1-2-11-12	241245	241097
TXT2-TXT205 TDT2 T12 HXT2-HT2-HT12	242244	243097
TXT3-TXT305 TDT3-TD3-TD4 T13 HXT3-HT3-HT13 H3-H4-H13-H14	242244	243097
TXT4-TXT405 TDT4 T14 HXT4-HT4-HT14	244245	245097
TXT5-TXT505 TDT5-TD5-TD6 T15 HXT5-HT5-HT15 H5-H6-H15 5-6-15-16	244245	245097
TXT6-TXT605 TDT6 T16 HT6	244245	246097
TXT7-TXT705 TDT7-TD7-TD8 T17 HT7-H7 #17-#18	247238	247098
TXT8-TXT805 TDT8 T18	248240	390129
TXT9-TXT905 TDT9-TD9 T19 #19	248240	390129
TXT10 TDT10-TD10	248240	390129

Size	Tie Rod Kit	Torque Arm Assembly
TDT11-TD11	248240	390129
TXT12 TDT12-TD12	236347	252144
TDT13	236347	252144
TDT14	236348	254143
TDT15	236349	255155

TORQUE ARM II

Size	Tie Rod Kit	Torque Arm Assembly
TA0107	241244	900109
TA1107	241244	901109
TA2115	242244	902109
TA3203	242244	903109
TA4207	244245	904109
TA5215	244246	905109
TA5307	247238	906109
TA7315	248240	907109
TA8407	248240	907109
TA9416	272416	909109
T10507	272416	910109
TA12608	246348	912109

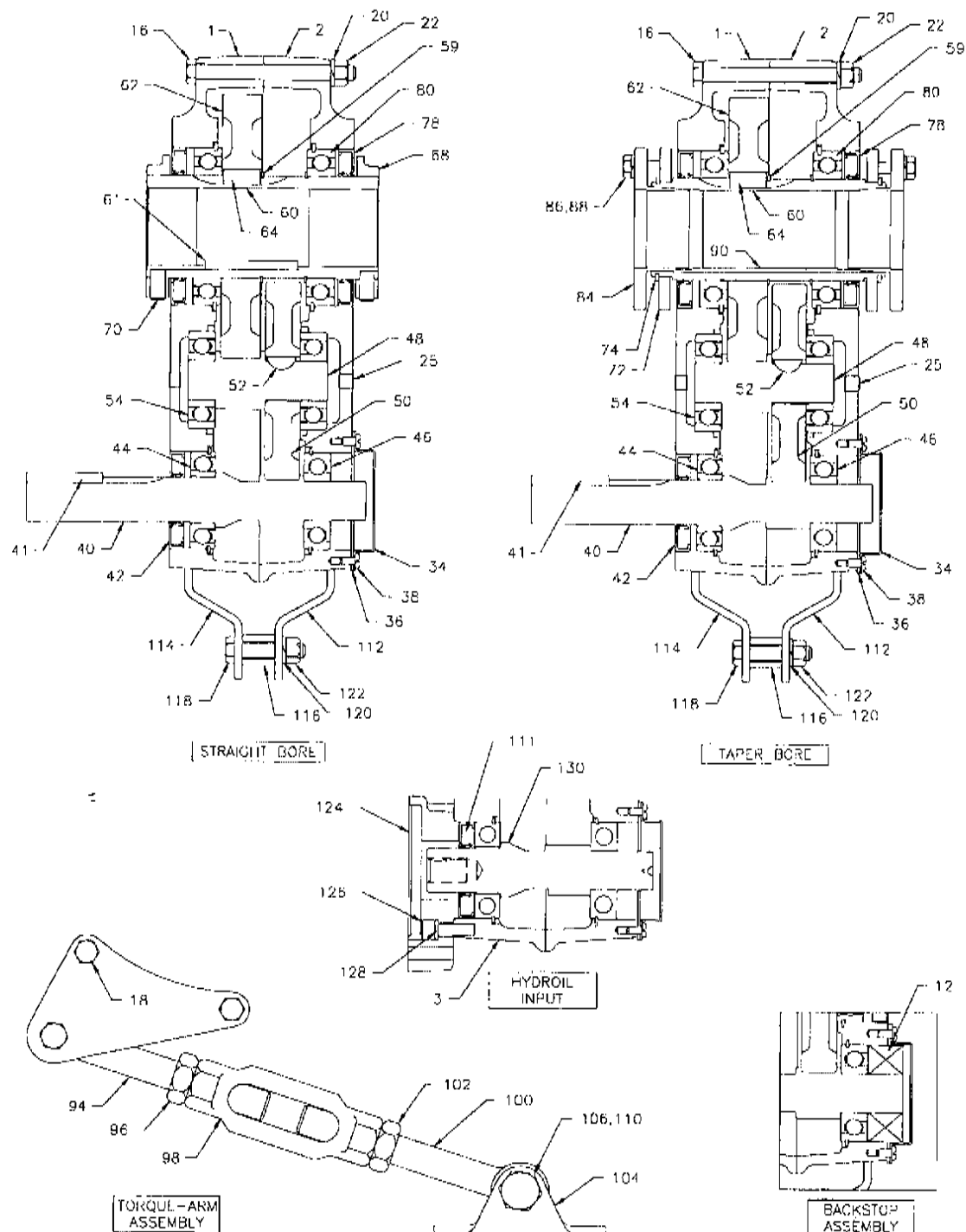
BAGGED PARTS TXT-HXT

Shipped loose with reducer in burlap bag. Bag contains rod end assembly, RH & LH reducer adapters and bushing, fulcrum, input key, bracket mounting hardware and hex nuts for torque arm.

Size	Part No.	Size	Part No.
TXT 1	241052	TXT7	247056
TXT105	241054	TXT705	
TXT 2	242062	TXT8	248245
TXT205	242064	TXT805	
TXT 3	243595	TXT9	249245
TXT305	243067	TXT905	259143
TXT4	244160	TXT10	250255
TXT405	244162	TXT12 (1)	252144
TXT5	245613	TDT13 (1)	253144
TXT505		TDT14 (1)	254143
TXT6	246065	TDT15 (1)	255155
TXT605	246067		

(1) Reducer sizes TXT12 thru TDT15 do not include reducer adapters. Order separately if required.

Parts for TXT/HXT 1A & 2A Straight and Tapered Bushed Double Reduction Reducers



Parts for TXT/HXT 1A & 2A Straight and Tapered Bushed Double Reduction Reducers

Ref.	Description	Qty.	TXT/HXT 1	TXT/HXT 2
12	Backstop Assembly	1	242101	252101
1	Housing-LH	1	241358	242353
2	Housing-RH	1	241359	242354
	Housing-RH, Flange Mount Drilled	1	241387	242393
3	Housing-Hydroil LH	1	241064	242067
§	RTV Sealant, Tube	1	465044	465044
§	Air Vent	1	900287	900287
16	Housing Bolt	†	411418	411418
18	Housing Bolt-Adapter	2	411420	411420
20	Lock-Washer	‡	419011	419011
22	Hex Nut	‡	407087	407087
§	Dowel Pin	2	420145	420145
§	Magnetic Oil Plug	1	430060	430060
25	Oil Plug	4	430031	430031
34	Backstop Shaft Cover	1	242221	243221
38	Backstop Cover Screw	4	415022	415022
	Seal Kit ♦	1	392119	392120
36	Backstop Cover Gasket ▲	1	242220	243220
42	Input Oil Seal ▲	1	241457	242211
78	Output Hub Oil Seal ▲	2	241210	242210
40	Input Pinion			
	9:1 Ratio ♣	1	241481	242481
	15:1 Ratio ♣	1	241302	242186
	25:1 Ratio ♣	1	241200	242187
130	Hydroil Input Pinion			
	15:1 Ratio ♣	1	241455	242188
	25:1 Ratio ♣	1	241449	242189
41	Input Pinion Key	1	443008	443014
	Bearing Replacement Kit ♦	1	389905	389906
44	Input Pinion Bearing-LH, Input Side▲	1	424112	424019
46	Input Pinion Bearing-RH, Backstop Side▲	1	424111	424090
54	Countershaft Pinion Bearing ▲	2	424006	424000
80	Output Hub Bearings ▲	2	424020	424022
	Countershaft Pinion Assembly ♦			
	9:1 Ratio ♣	1	392100	392101
	15:1 Ratio ♣	1	392090	392092
	25:1 Ratio ♣	1	392091	392093
48	Countershaft Pinion ▲	1	241216	242185
50	First Reduction Gear ▲			
	9:1 Ratio ♣	1	241482	242482
	15:1 Ratio ♣	1	241170	242008
	25:1 Ratio ♣	1	241171	242005
52	Countershaft to First Gear Key ▲	1	241309	242218
	Taper Bore Output Hub Assembly ♦	1	390678	392111
	Straight Bore Output Hub Assembly ♣	1	390151	392110
60	Output Hub			
	Straight Bore ■	1	241208	242208
	Taper Bore ▲	1	241265	242134
62	Output Gear ▲ ■	1	241007	242181
64	Output Gear Key ▲ ■	1	241217	443399
59	Output Hub Snap Ring ▲	2	421013	421017
61	Straight Bore Output Hub Key ■	1	241296	242296
68	Straight Bore Output Hub Collar	2	241209	242209
70	Straight Bore Output Hub Collar Screw	4	400062	400094
72	Taper Bore Bushing Backup Plate	2	241266	242137
74	Bushing Backup Plate Retaining Ring	2	421111	421112
84	Taper Bore Bushing Assembly ♦			
	Bushing ▲			
	1" Bore	1	241278	N/A
	1-1/16" Bore	1	241280	N/A
	1-1/8" Bore	1	241282	242146

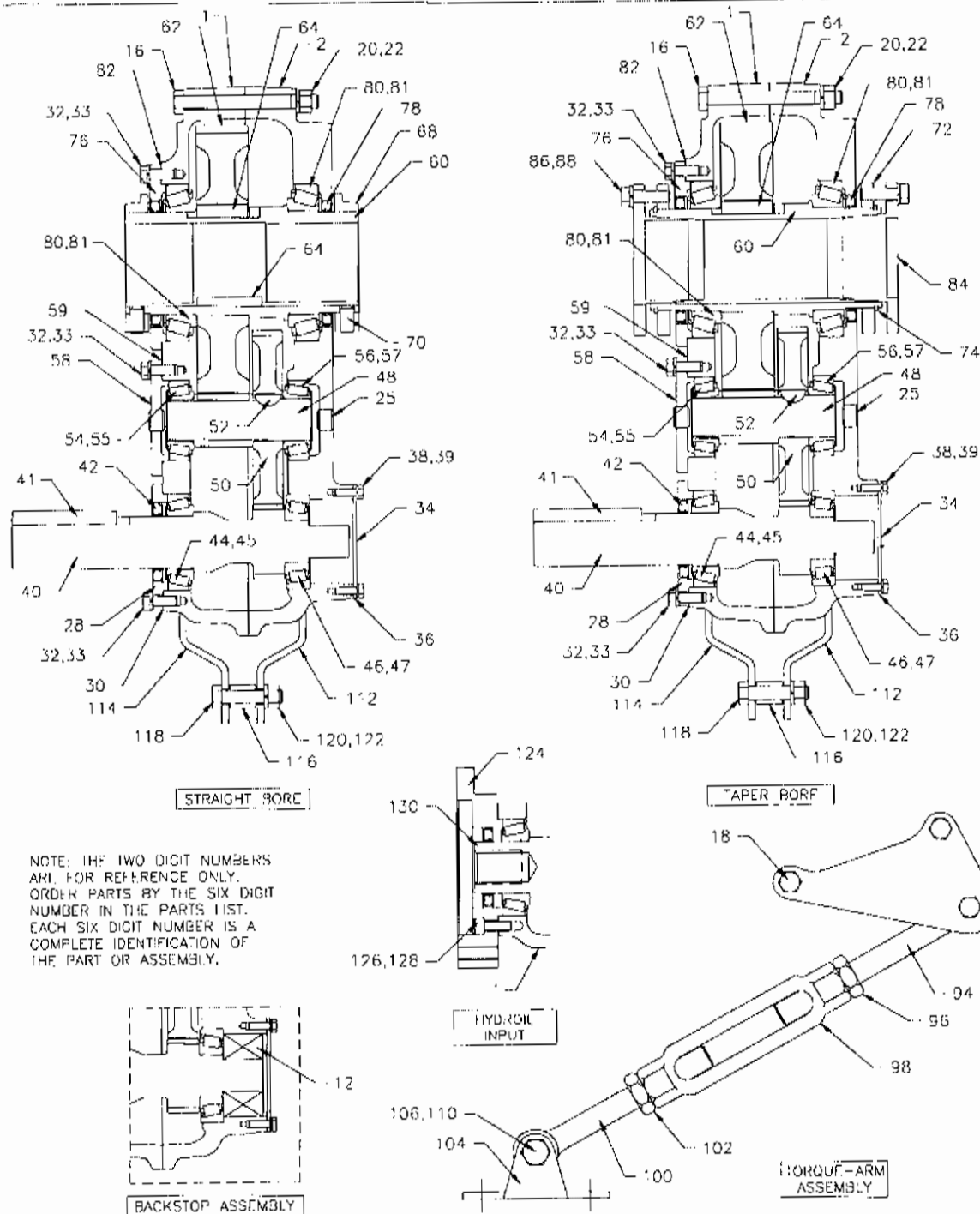
Parts for TXT/HXT 1A & 2A Straight and Tapered Bushed Double Reduction Reducers

Ref.	Description	Qty.	TXT/HXT 1	TXT/HXT 2
84	Taper Bore Bushing Assembly Cont. ♦			
	1-3/16" Bore	1	241286	242148
	1-1/4" Bore	1	241288	242150
	1-5/16" Bore	1	241290	242152
	1-3/8" Bore	1	241294	242154
	1-7/16" Bore	1	241292	242156
	1-11/16" Bore	1	N/A	242164
	1-1/2" Bore	1	N/A	242158
	1-5/8" Bore	1	N/A	242162
	1-3/4" Bore	1	N/A	242166
	1-15/16" Bore	1	N/A	242168
86	Bushing Screw ▲	6	411405	411390
88	Lock Washer ▲	6	419010	419010
90	Key, Taper Bore Bushing to Shaft ▲			
	1" Bore	1	443274	N/A
	1-1/8" Bore	1	443271	443281
	1-3/16" Bore	1	241308	443281
	1-1/4" Bore	1	241307	443281
	1-5/16" Bore	1	241306	443264
	1-3/8" Bore	1	241310	443280
	1-7/16" Bore	1	241305	443282
	1-1/2" Bore	1	N/A	443282
	1-5/8" Bore	1	N/A	424172
	1-11/16" Bore	1	N/A	242171
	1-3/4" Bore	1	N/A	242170
	1-15/16" Bore	1	N/A	443283
§	Key, Bushing to Output Hub ▲			
	1" Bore	1	443272	N/A
	1-1/8" Bore	1	443273	N/A
	1-1/8" to 1-1/2" Bore	1	N/A	443284
	Torque-Arm Assembly ♦	1	241097	243097
94	Torque-Arm Rod End ▲	1	241245	243245
96	RH Nut ▲	1	407093	407095
98	Torque-Arm Turnbuckle ▲	1	241246	243246
100	Torque-Arm Extension ▲	1	241247	243247
102	LH Nut ▲	1	407242	407244
104	Torque-Arm Fulcrum ▲	1	241249	243249
106	Fulcrum Screw ▲	1	411456	411484
110	Hex Nut ▲	1	407091	407093
	Adapter Assembly ♦	1	259151	259152
112	RH Torque-Arm Adapter Bracket ▲	1	241242	242136
114	LH Torque-Arm Adapter Bracket ▲	1	241241	242135
116	Adapter Bushing ▲	1	242243	243243
118	Adapter Bolt ▲	1	411412	411437
120	Lock Washer ▲	1	419011	419012
122	Hex Nut ▲	1	407087	407089
124	Hydraulic Motor Adapter	1	241454	242454
126	Adapter Screw	6	417081	417081
128	Lockwasher	6	419046	419046
111	Input Pinion Seal, Hydroil	1	241457	242457
§	Motor to Adapter Screw	2	411408	411408
§	Motor to Adapter Lock Washer	2	419011	419011

Notes:

- § Not shown on Drawing.
- ♦ Includes Parts Listed Immediately Below Marked ▲
- ♣ Includes Parts Listed Immediately Below Marked ■
- ▲ Makes up Assembly Under Which it is Listed.
- Makes up Assembly Under Which it is Listed.
- ♣ See Table 9 for Actual Ratio.
- † 4 Required on TXT1A and 5 Required on TXT2A
- ‡ 6 Required on TXT1A and 7 Required on TXT2A

Parts for TXT/HXT 3B Thru TXT/HXT 5C Straight and Tapered Bushed Double Reduction Reducer



Parts for TXT/HXT 3B Thru TXT/HXT 5C Straight and Tapered Bushed Double Reduction Reducer

Ref.	Description	Qty.	TXT3B HXT3B	TXT4B HXT4B	TXT5C HXT5C
12	Backstop Assembly	1	243106	244106	245154
1	Housing-TXT and Hydroil LH	1	243228	244365	245369
2	Housing-RH	1	243229	244366	245370
	Housing-RH, Flange Mount Drilled	1	243384	244387	245373
§	RTV Sealant, Tube	1	465044	465044	465044
§	Air Vent	1	900287	900287	904287
16	Housing Bolt	6	411440	411442	411464
18	Housing Bolt-Adapter	2	411442	411444	411466
20	Lock-Washer	8	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
§	Dowel Pin	2	420146	420146	420147
§	Magnetic Oil Plug	1	430060	430060	430062
25	Oil Plug	4	430031	430031	430033
28	Input Shaft Seal Carrier	1	243543	244577	245597
30	Input Shaft Bearing Shim Pack	±	389704	389711	389732
32	Input Seal Carrier Screw	†	411390	411407	411407
33	Lock Washer	†	419010	419011	419011
34	Backstop Cover	1	243560	244493	245226
38	Backstop Cover Screw	4	416524	411035	411394
39	Backstop Cover Lock Washer	4	N/A	N/A	419009
	Seal Kit ♦	1	389720	389721	389722
36	Backstop Cover Gasket ▲	1	243561	244593	245220
42	Input Pinion Shaft Seal ▲	1	243558	244524	355011
78	Output Hub Oil Seal ▲	2	243578	244673	245545
40	Input Pinion				
	9:1 Ratio ♣	1	243549	244579	245599
	15:1 Ratio ♣	1	243550	244580	245600
	25:1 Ratio ♣	1	243551	244581	245601
130	15:1 Ratio Hydroil Pinion ♣	1	243553	244583	245603
	25:1 Ratio Hydroil Pinion ♣	1	243554	244584	245604
	15:1 Ratio Hydroil 6-B Pinion ♣	1	N/A	244586	N/A
	25:1 Ratio Hydroil 6-B Pinion ♣	1	243498	244587	245641
41	Input Pinion Shaft Key	1	443032	443082	443096
	Input Bearing Kit ♦	1	389587	389590	389594
44	Input Shaft Bearing Cone, Input Side ▲	1	402204	402280	402144
45	Input Shaft Bearing Cup, Input Side ▲	1	403139	403027	403104
46	Input Shaft Bearing Cone, Backstop Side ▲	1	402273	402142	402266
47	Input Shaft Bearing Cup, Backstop Side ▲	1	403094	403102	403073
	Countershaft Pinion Assembly ♦				
	9:1 Ratio ♣	1	389729	389730	389731
	15:1 Ratio ♣	1	389700	389707	389714
	25:1 Ratio ♣	1	389701	389708	389715
48	Countershaft Pinion ▲	1	243555	244590	245596
50	First Reduction Gear ▲				
	9:1 Ratio ♣	1	243237	244482	245482
	15:1 Ratio ♣	1	243238	244214	245214
	25:1 Ratio ♣	1	243239	244212	245212
52	First Stage Gear Key ▲	1	243215	244215	244215
	Countershaft Bearing Kit ♦	1	389588	389591	389595
54	Countershaft Bearing Cone, Input Side ▲	1	402273	402000	402203
55	Countershaft Bearing Cup, Input Side ▲	1	403094	403000	403027
56	Countershaft Bearing Cone, Backstop Side ▲	1	402273	402000	402203
57	Countershaft Bearing Cup, Backstop Side ▲	1	403094	403000	403027
58	Countershaft Bearing Cover, Input Side ▲	1	243545	244578	245594
59	Countershaft Bearing Shim Pack	±	389705	389712	389718
	Taper Bore Output Hub Assembly ♦	1	389703	389710	389717
	Straight Bore Output Hub Assembly ♣	1	389702	389709	389716
60	Output Hub				
	Straight Bore ■	1	243557	244589	245591
	Taper Bore ▲	1	243556	244588	245590
62	Output Gear ▲ ■	1	243570	244188	245186

Parts for TXT3B thru TXT5C Straight and Tapered Bushed Double Reduction Reducer

Ref.	Description	Qty.	TXT3B HXT3B	TXT4B HXT4B	TXT5C HXT5C
64	Output Gear Key ▲ ■	1	243216	354087	355064
68	Output Hub Collar, Straight Bore	2	243572	244658	245598
70	Output Hub Collar Screw	4	400098	400150	400154
72	Bushing Backup Plate, Taper Bore	2	243308	244099	245114
74	Bushing Backup Plate Retaining Ring	2	421109	421108	421107
76	Output Hub Seal Carrier, Input Side	1	243547	244591	245592
	Output Hub Bearing Kit ♦	1	389589	389592	389596
80	Output Hub Bearing, Cone ▲	2	402272	402268	402193
81	Output Hub Bearing, Cup ▲	2	403127	403163	403016
82	Output Hub Bearing Shim Kit	‡	389706	389713	389719
84	Taper Bore Bushing Assembly ♦				
	Bushing ▲				
	1-5/16" Bore	1	243282	N/A	N/A
	1-3/8" Bore	1	243284	N/A	N/A
	1-7/16" Bore	1	243260	244079	N/A
	1-1/2" Bore	1	243262	244081	N/A
	1-5/8" Bore	1	243264	244083	N/A
	1-11/16" Bore	1	243268	244085	N/A
	1-3/4" Bore	1	243266	244087	N/A
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	N/A	244109	N/A
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	N/A	244113	245092
	2-7/16" Bore	1	N/A	244115	245094
	2-1/2" Bore	1	N/A	N/A	245099
	2-11/16" Bore	1	N/A	N/A	245110
	2-15/16" Bore	1	N/A	N/A	245112
86	Taper Bushing Screw ▲	6	411407	411408	411435
88	Taper Bushing Lockwasher ▲	6	419011	419011	419012
90	Key, Bushing to Shaft ▲				
	1-5/16" Bore	1	443264	N/A	N/A
	1-3/8" Bore	1	443264	N/A	N/A
	1-7/16" Bore	1	443265	443254	N/A
	1-1/2" Bore	1	443265	443254	N/A
	1-5/8" Bore	1	443265	443254	N/A
	1-11/16" Bore	1	443266	443254	N/A
	1-3/4" Bore	1	443266	443254	N/A
	1-7/8" Bore	1	443267	443255	443251
	1-15/16" Bore	1	443269	443255	443251
	2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	N/A	443258	N/A
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	N/A	443260	443251
	2-7/16" Bore	1	N/A	443261	443243
	2-1/2" Bore	1	N/A	N/A	443244
	2-11/16" Bore	1	N/A	N/A	443245
	2-15/16" Bore	1	N/A	N/A	443250
§	Key, Bushing to Output Hub ▲				
	1-3/4" thru 1-15/16" Bore Bushing	1	443262	N/A	N/A
	1-7/16" thru 2-1/4" Bore Bushing	1	N/A	N/A	443202
	2-3/16" thru 2-15/16" Bore Bushing	1	N/A	443257	N/A
	Torque-Arm Rod Kit ♦	1	243097	245097	245097
94	Torque-Arm Rod End ▲	1	243245	245245	245245
96	RH Nut ▲	1	407095	407097	407097
98	Torque-Arm Tumbuckle ▲	1	243246	245246	245246
100	Torque-Arm Extension ▲	1	243247	245247	245247
102	LH Nut ▲	1	407244	407246	407246
104	Fulcrum ▲	1	243249	246249	246249
106	Fulcrum Screw ▲	1	411484	411484	411484
110	Hex Nut ▲	1	407093	407093	407093

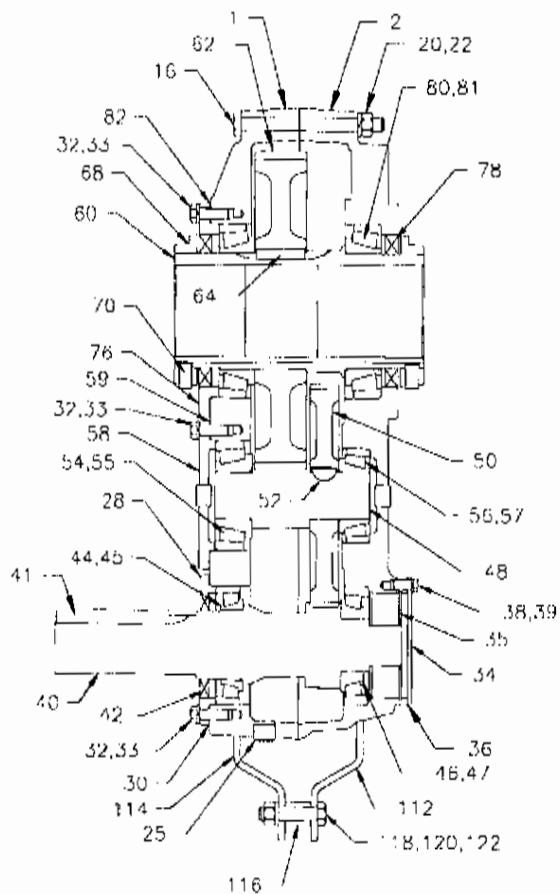
Parts for TXT/HXT 3B Thru TXT/HXT 5C Straight and Tapered Bushed Double Reduction Reducer

Ref.	Description	Qty.	TXT3B HXT3B	TXT4B HXT4B	TXT5C HXT5C
	Adapter Assembly ♦	1	259153	259154	259155
112	RH Adapter Plate ▲	1	243242	244244	245242
114	LH Adapter Plate ▲	1	243241	244243	245241
116	Adapter Bushing ▲	1	243243	245243	245243
118	Adapter Bolt ▲	1	411437	411460	411460
120	Lockwasher ▲	1	419012	419013	419013
122	Hex Nut ▲	1	407089	407091	407091
	Hydroil Motor Adapter				
124	15:1 Ratio Motor Adapter	1	243539	244572	245606
	25:1 Ratio Motor Adapter	1	243541	244572	245607
	Hydroil 6-B Motor Adapter, 15:1 and 25:1 Ratio	1	243467	244573	245643
126	Adapter Screw	†	417081	417108	415023
128	Lockwasher	†	419046	419047	419047
§	Motor to Adapter Screw				
§	Motor to Adapter Lock Washer				

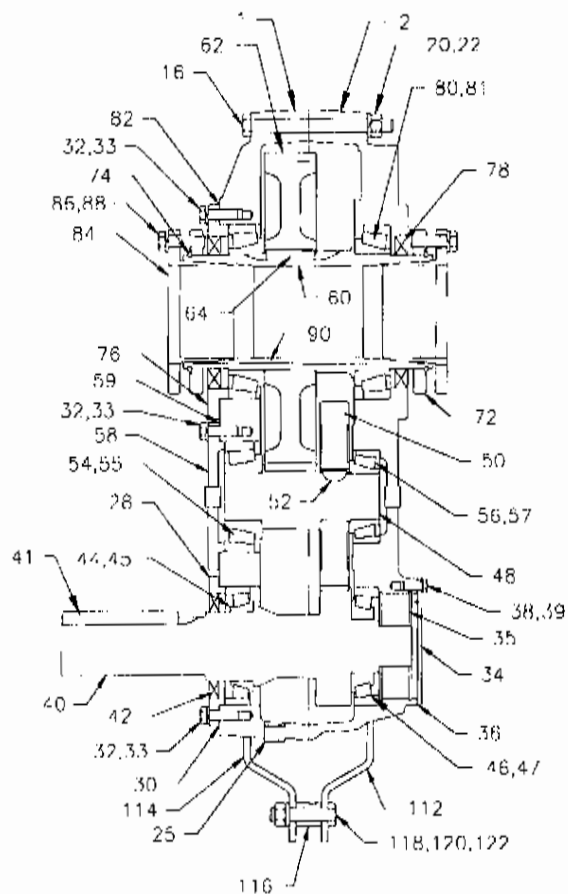
Notes:

- § Not shown on drawing.
- ♦ Includes parts listed immediately below marked ▲
- ◆ Includes parts listed immediately below marked ■
- ▲ Makes up assembly under which it is listed.
- Makes up assembly under which it is listed.
- ♣ See Table 9 for actual ratio.
- † 4 required on TXT3B and TXT4B, 5 required on TXT5C
- ‡ Two sets recommended.

Parts for TXT6A – TXT10A & HXT6A – HXT7A Straight & Tapered Double Reduction Reducer

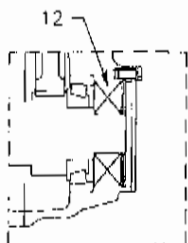


STRAIGHT BORE

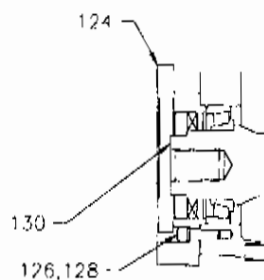


TAPER BORE

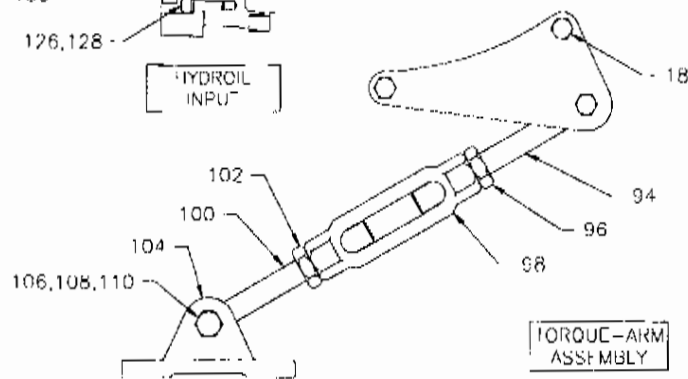
NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.



BACKSTOP ASSEMBLY



HYDRAULIC INPUT



TORQUE-ARM ASSEMBLY

Parts for TXT6A – TXT10A & HXT6A – HXT7A Straight & Tapered Double Reduction Reducer

Ref.	Description	Qty.	TXT6A HXT	TXT7A HXT	TXT8A	TXT9A	TXT10A
12	Backstop Assembly	1	246092	247260	249260	249260	250260
1	Housing-TXT and Hydroil LH	1	246358	247358	248358	249358	250358
2	Housing-RH	1	246359	247359	248359	249359	250359
	Housing-RH, Flange Mount Drilled	1					
\$	RTV Sealant, Tube	1	465044	465044	465044	465044	465044
\$	Air Vent	1	904287	904287	904287	904287	904287
18	Housing Bolt		411466	411498	411499	411500	411502
18	Housing Bolt-Adapter	2	411468	411499	411502	411502	411506
20	Lock-Washer		419013	419016	419016	419016	419016
22	Hex Nut		407091	407095	407095	407095	407095
\$	Dowel Pin 304624	2	420147	420146	420146	420148	420148
25	Magnetic Oil Plug	1	430062	430064	430064	430064	430064
\$	Oil Plug	4	430033	430035	430035	430035	430035
28	Input Shaft Seal Carrier	1	246184	247320	258023	249211	249211
30	Input Shaft Bearing Shim Pack	±	391164	390420	390038	390168	390168
32	Carrier and Cover Screw	Δ	411408	411433	411408	411408	411408
33	Lock Washer	Δ	419011	419012	419011	419011	419011
34	Backstop Cover	1	246226	246226	248226	248226	248226
35	Backstop Retaining Ring	†	421029	421029	421034	421034	421034
38	Backstop Cover Screw	6	411394	411394	411394	411394	411394
39	Backstop Cover Lock Washer	6	419009	419009	419009	419009	419009
	Seal Kit ♦	1	246340	247345	248340	249340	272460
36	Backstop Cover Gasket ▲	1	246220	246220	248220	248220	248220
42	Input Pinion Shaft Seal ▲	1	242210	242210	248211	248211	248211
78	Output Hub Oil Seal ▲	2	246310	247310	258019	249210	250010
40	Input Pinion						
	9:1 Ratio ♣	1	246481	247479	N/A	N/A	N/A
	15:1 Ratio ♣	1	246290	247370	248370	272074	250300
	25:1 Ratio ♣ □	1	246291	247371	248371	272106	250004
130	15:1 Ratio Hydroil Pinion ♣	1	246230	247483	N/A	N/A	N/A
	25:1 Ratio Hydroil Pinion ♣	1	246286	247462	N/A	N/A	N/A
	15:1 Ratio 6B Hydroil Pinion ♣	1	N/A	N/A	N/A	N/A	N/A
	25:1 Ratio 6B Hydroil Pinion ♣	1	246521	247521	N/A	N/A	N/A
41	Input Pinion Shaft Key	1	443113	443127	443133	443123	443123
	Input Bearings :						
44	Input Shaft Bearing Cone, Input Side	1	402196	402150	402098	402114	402114
45	Input Shaft Bearing Cup, Input Side	1	403091	403106	403072	403080	403080
46	Input Shaft Bearing Cone, Backstop Side	1	402197	402088	402097	402107	402112
47	Input Shaft Bearing Cup, Backstop Side	1	403091	403047	403072	403076	403080
	Countershaft Pinion Assembly ♦						
	9:1 Ratio ♣	1	392140	392141	N/A	N/A	N/A
	15:1 Ratio ♣	1	391171	391196	391184	390124	390983
	25:1 Ratio ♣ □	1	391186	391197	391185	390139	390998
48	Countershaft Pinion ▲	1	246294	247002	248002	249006	272249
50	First Reduction Gear ▲						
	9:1 Ratio ♣	1	246482	247478	N/A	N/A	N/A
	15:1 Ratio ♣	1	246292	247008	248213	249008	250301
	25:1 Ratio ♣ □	1	246293	247005	248214	249005	250005
52	First Stage Gear Key ▲	1	245218	247218	248218	248218	248218
	Countershaft Bearings						
54	Countershaft Bearing Cone, Input Side	1	402054	402256	402057	402109	402232
55	Countershaft Bearing Cup, Input Side	1	403159	403053	403143	403078	402231
56	Countershaft Bearing Cone, Backstop Side	1	402062	402256	402148	402109	402232
57	Countershaft Bearing Cup, Backstop Side	1	403142	403053	403106	403078	402231
58	Countershaft Bearing Cover, Input Side	1	246185	247194	248223	249225	272251
59	Countershaft Bearing Shim Pack	±	391165	390429	391182	390168	390575
	Taper Bore Output Hub Assembly ♦	1	390935	390941	390944	390949	390954
	Straight Bore Output Hub Assembly ♣	1	390988	390990	390993	390159	390160
60	Straight Bore Hub ■	1	246338	247338	248332	250090	250008
	Taper Bore Hub ▲	1	246269	272137	272036	249140	272241
62	Output Gear ▲ ■	1	246295	247215	248215	021764	250007
64	Output Gear Key ▲ ■	2	245217	245217	248217	443413	250017

Parts for TXT6A thru TXT10A Straight and Tapered Bushed Double Reduction Reducers

Ref.	Description	Qty.	TXT6A	TXT7A	TXT8A	TXT9A	TXT10A
68	Output Hub Collar, Straight Bore	2	246309	247309	248209	249209	250009
70	Output Hub Collar Screw	4	400154	400190	400190	400194	400194
72	Bushing Backup Plate, Taper Bore	2	246270	272138	272037	272082	272242
74	Output Hub Retaining Ring	2	421055	421099	421098	421097	421069
76	Output Hub Seal Carrier, Input Side	1	246187	247315	258021	249221	250011
	Output Hub Bearing Kit	1					
80	Output Hub Bearing, Cone	2	402050	402058	402147	402160	402168
81	Output Hub Bearing, Cup	2	403140	403111	403105	403110	403116
82	Output Hub Bearing Shim Kit	1	391187	390044	390048	390171	390172
84	Taper Bore Bushing Assembly ♦						
	Bushing ▲						
	2-3/16" Bore	1	246261	N/A	N/A	N/A	N/A
	2-1/4" Bore	1	246262	N/A	N/A	N/A	N/A
	2-7/16" Bore	1	246263	272125	N/A	N/A	N/A
	2-1/2" Bore	1	246264	N/A	N/A	N/A	N/A
	2-11/16" Bore	1	246265	272147	N/A	N/A	N/A
	2-13/16" Bore	1	N/A	272130	N/A	N/A	N/A
	2-7/8" Bore	1	246266	272131	N/A	N/A	N/A
	2-15/16" Bore	1	246267	272132	272048	N/A	N/A
	3" Bore	1	246283	272133	N/A	N/A	N/A
	3-3/16" Bore	1	N/A	272134	N/A	N/A	N/A
	3-7/16" Bore	1	246268	272135	272032	272056	N/A
	3-15/16" Bore	1	N/A	272136	272033	272077	272214
	4-3/16" Bore	1	N/A	N/A	272034	N/A	N/A
	4-7/16" Bore	1	N/A	N/A	272035	272079	272238
	4-15/16" Bore	1	N/A	N/A	N/A	272080	272239
	5-7/16" Bore	1	N/A	N/A	N/A	N/A	272240
86	Taper Bushing Screw ▲	6	411435	411456	411457	411484	411484
88	Taper Bushing Lockwasher ▲	6	419012	419013	419013	419014	419014
90	Key, Bushing to Shaft ▲						
	2-3/16" Bore	1	443211	N/A	N/A	N/A	N/A
	2-1/4" Bore	1	443211	N/A	N/A	N/A	N/A
	2-7/16" Bore	1	443214	443248	N/A	N/A	N/A
	2-1/2" Bore	1	443214	N/A	N/A	N/A	N/A
	2-11/16" Bore	1	443238	443248	N/A	N/A	N/A
	2-13/16" Bore	1	N/A	443199	N/A	N/A	N/A
	2-7/8" Bore	1	443236	443199	N/A	N/A	N/A
	2-15/16" Bore	1	443237	443199	443247	N/A	N/A
	3" Bore	1	443252	443216	N/A	N/A	N/A
	3-3/16" Bore	1	N/A	443235	N/A	N/A	N/A
	3-7/16" Bore	1	443213	443217	443171	443249	N/A
	3-15/16" Bore	1	N/A	443218	443173	272119	443192
	4-3/16" Bore	1	N/A	N/A	443174	N/A	N/A
	4-7/16" Bore	1	N/A	N/A	443196	272066	443193
	4-15/16" Bore	1	N/A	N/A	N/A	443161	443194
	5-7/16" Bore	1	N/A	N/A	N/A	N/A	443195
		1					
§	Key, Bushing to Output Hub ▲						
	2-3/16" thru 2-1/2" Bore Bushing	1	443212	N/A	N/A	N/A	N/A
	2-7/16" thru 3" Bore Bushing	1	N/A	443198	N/A	N/A	N/A
	2-3/16" thru 2-15/16" Bore Bushing	1	N/A	N/A	N/A	N/A	N/A
	2-15/16" thru 3-7/16" Bore Bushing	1	N/A	N/A	443162	N/A	N/A
	3-7/16" thru 4-3/16" Bore Bushing	1	N/A	N/A	N/A	443121	N/A
	3-15/16" thru 4-7/16" Bore Bushing	1	N/A	N/A	N/A	N/A	443191
	Torque-Arm Rod Kit ♦	1	246097	247098	390129	390129	390129
94	Torque-Arm Rod End ▲	1	245245	247239	271050	271050	271050
96	RH Nut ▲	1	407097	407099	407104	407104	407104
98	Torque-Arm Tumbuckle ▲	1	245246	247246	271051	271051	271051
100	Torque-Arm Extension ▲	1	245247	247240	271052	271052	271052
102	LH Nut ▲	1	407246	407248	407250	407250	407250
104	Fulcrum ▲	1	247248	247248	271054	271054	271054
106	Fulcrum Screw ▲	1	411489	411489	411516	411516	411516
108	Lockwasher ▲		419014	419014	419020	419020	419020
110	Hex Nut ▲	1	407093	407093	407099	407099	407099

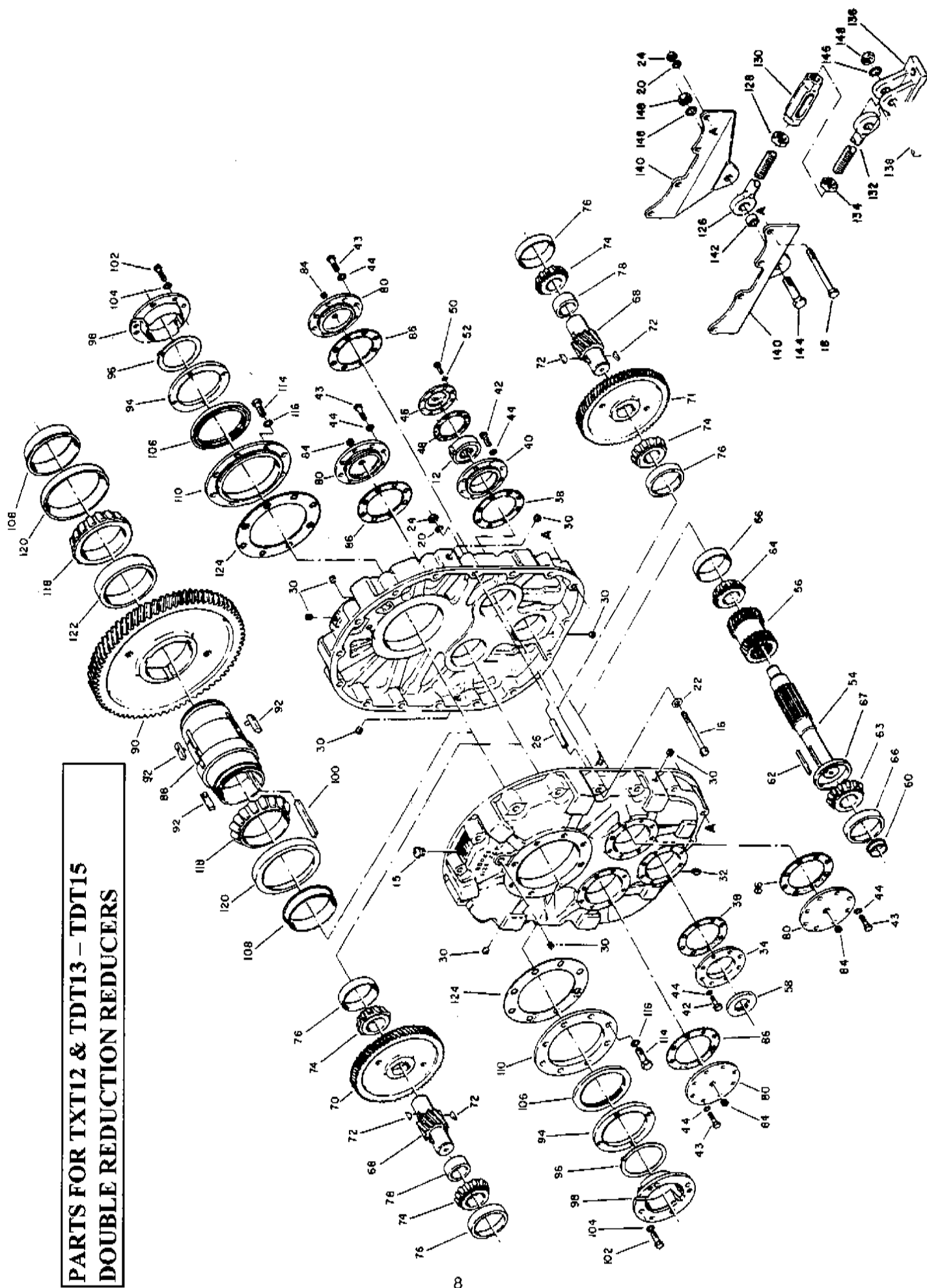
Parts for TXT6A – TXT10A & HXT6A – HXT7A Straight & Tapered Double Reduction Reducer

Ref.	Description	Qty.	TXT6A HXT	TXT7A HXT	TXT8A	TXT9A	TXT10A
	Adapter Assembly ♦	1	259156	259157	248110	249110	250110
112	RH Adapter Plate ▲	1	246242	247242	272053	249241	250041
114	LH Adapter Plate ▲	1	246241	247241	272053	249241	250041
116	Adapter Bushing ▲	1	245243	247244	271046	271046	211046
118	Adapter Bolt ▲	1	411460	411489	411510	411512	411512
120	Lockwasher ▲	1	419013	419014	419020	419020	419020
122	Hex Nut ▲	1	407091	407093	407099	407099	407099
124	Hydroil Motor Adapter	1	246465	247464	N/A	N/A	N/A
	Hydroil 6B Motor Adapter	1	246522	247522	N/A	N/A	N/A
126	Hydroil Adapter Screw	6	417108	417141	N/A	N/A	N/A
128	Lockwasher	6	906406	907406	N/A	N/A	N/A
§	Motor to Adapter Screw						
§	Motor to Adapter Lock Washer						

Notes:

- § Not shown on drawing.
- ♦ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ♣ Includes parts listed immediately below marked "■".
- Makes up assembly under which it is listed.
- ⚙ See Table 9 for actual ratio.
- † Required only with optional backstop, 1 required on TXT6A and TXT7A, 2 required on TXT8A, TXT9A, & TXT10A.
- ‡ 2 sets recommended.
- △ 18 Required on TXT6A, 20 Required on TXT7A, and 24 Required on TXT8A, TXT9A, & TXT10A.
- Nominal Ratio on TXT6A, TXT7A, and TXT8A is 25:1, Nominal Ratio on TXT9A is 26:1, and Nominal Ratio on TXT10A is 24:1.

**PARTS FOR TXT12 & TDT13 - TDT15
DOUBLE REDUCTION REDUCERS**



Reference	Name of Part	No. Req'd.	TXT12 Part No.	TD113 Part No.	TD114 Part No.	TD115 Part No.	Reference	Name of Part	No. Req'd.	TXT12 Part No.	TD113 Part No.	TD114 Part No.	TD115 Part No.
12	Backstop Assembly	1	250260	272259	272293	272293	74	Countershaft Brg. Cover	4	402127	402234	402240	402011
15	HOUSING	1	252163	272255	272155	272371	76	Countershaft Brg. Cup	4	403089	402233	403134	403014
16	Air Vent	1	271041	271041	271041	271041	78	Countershaft Brg. Spacer	2	272017	272268	272168	272372
18	Housing Bolt	12	411506	411509	411517	411246	80	Countershaft Brg. Cover	4	272016	272273	272173	272380
20	Adapter Housing Bolt	4	411508	411453	411518	411247	84	Cover Plug	4	430035	430035	430035	430035
22	Lockwasher	16	419016	419016	419020	419020	86	Countershaft Bearing	1	392151	392153	392156	392158
22	Plain Washer	2	419082	419082	419080	419080		Shim Pack	+ Sets †				
24	Hex Nut	16	407095	407095	407099	407099		OUTPUT HUB					
26	Dowel Pin	2	420132	420133	420134	420135		ASSEMBLY *	1	‡	390969	‡	‡
30	Pipe Plug	♦	430035	430035	430035	430035	88	▲ Output Hub	1	272220	272267	272167	272368
32	Magnetic Plug	1	430064	430064	430064	430064	90	▲ Output Gear	1	272007	272268	272166	272367
34	Input Shaft Seal Carrier	1	272019	272274	272174	272381	92	▲ Gear Key & Roll Pin	3	390859	390863	390865	390899
38	Input Shaft						94	Bushing Back-up Plate	2	272221	272283	272183	272390
	Bearing Shim Pack	3 Sets †	392150	392150	392155	392155	96	Retaining Ring	2	421053	421095	421096	421114
40	Backstop Carrier	1	272020	272275	272175	272175		57/16" Bore	1	272215	.....	.....	.....
42	Carrier & Cover Screw	16	411483	411483	411268	411268		5 15/16" Bore	1	272216	272290	.....	.....
43	Countershaft							6" Bore	1	272217	272291	272191	.....
	Cover Screw	32	411483	411483	411268	411495		6 7/16" Bore	1	272218	.....	.....	.....
44	Lockwasher	48	419014	419014	419016	419016	98	BUSHING	1	272219	272292	272192	.....
46	Backstop Cover	1	248221	272276	272176	272176		ASSEMBLY *	1	.....	272257	272193	.....
48	Cover Gasket	1	248220	272277	272177	272177		8" Bore	1	.....	.....	272194	272398
50	Backstop Cover							8 1/2" Bore	1	.....	.....	.....	272397
	Cap Screw	6	411402	411408	411407	411407		9" Bore	1	.....	.....	.....	272396
52	Lockwasher	6	419009	419011	419011	419011		10" Bore	1	.....	.....	.....	272395
54	Input Shaft	1	272004	272261	272161	272362		5 7/16" Bore	1	272223	.....	.....	.....
56	Input 15:1 Ratio	1	272212	.....	.....	.....		5 15/16" Bore	1	272225	272281	.....	.....
	Pinion ♦ Ratio	1	272003	272262	272162	272363		6" Bore	1	272227	272288	272188	.....
58	Input Shaft Seal	1	272211	272270	272270	272377	100	▲ Key	1	272229	.....	.....	.....
60	Input Shaft							(Bushing	1	272231	272289	272189	.....
	Seal Wear Ring	1	.....	272281	272281	272376		to	1	.....	443175	272190	.....
62	Input Shaft Key	1	443122	443140	443139	443348		Shaft)	1	.....	.....	443188	272408
63	Input Shaft Brg.							8" Bore	1	.....	.....	.....	272407
	Cone — Input End	1	402125	402232	402241	402234		8 1/2" Bore	1	.....	.....	.....	272406
64	Input Shaft Brg.							9" Bore	1	.....	.....	.....	443349
	Cone — B'Stop End	1	402125	402232	402241	402241	102	▲ Bushing Screw	8	411485	411485	411495	411496
66	Input Shaft Brg. Cup	2	403087	402231	402233	402233	104	▲ Lockwasher	8	419014	419014	419016	419016
67	Input Shaft Brg. Spacer	1	.....	.....	.....	272391	106	Output Hub Seal	2	272010	272271	272171	272375
	COUNTERSHAFT						108	Output Hub					
	ASSEMBLY							Seal, Wear Ring	2	.....	272282	272182	272374
	Left Hand Spiral *						110	Output Hub Seal Carrier	2	272014	272272	272172	272379
	15:1 Ratio	1	‡	.....	.....	.....	114	Carrier Screw	16	411493	411493	411276	411248
	♦ Ratio	1	‡	‡	‡	‡	116	Lockwasher	16	419016	419016	419018	419018
68	▲ Countershaft						118	Output Hub Brg. — Cone	2	402039	402230	402239	402009
	with Pinion	1	272006	272265	272165	272366	120	Output Hub Brg. — Cup	2	403119	402229	403133	403013
70	▲ L.H. 1st						122	Output Hub Brg. Spacer	1	272012	272269	272169	272378
	Reduction Gear						124	Output Hub					
	15:1 Ratio	1	272026	.....	.....	.....		Bearing Shim Pack	+ Sets †	392152	392154	392157	392159
	♦ Ratio	1	272005	272263	272163	272364	126	Rod End	1	272050	272050	272151	272385
72	▲ Key	2	248218	248218	248218	272389	128	Hex Nut	1	407108	407108	407110	407150
	COUNTERSHAFT						130	Turnbuckle	1	272051	272051	272152	272386
	ASSEMBLY						132	Extension	1	272052	272052	272153	272387
	Right Hand Spiral *						134	L.H. Hex Nut	1	407251	407251	407111	407080
	15:1 Ratio	1	‡	.....	.....	.....	136	Fulcrum	1	272054	272054	272154	272388
	♦ Ratio	1	‡	‡	‡	‡	138	Fulcrum Screw	1	411524	411524	411528	411245
68	▲ Countershaft							ADAPTER ASSEMBLY *	1	.....	.....	.....	.....
	with Pinion	1	272006	272265	272165	272366	140	▲ Adapter Plate	2	272049	272280	272180	272383
71	▲ R.H. 1st						142	▲ Adapter Bushing	1	272046	272046	272187	272384
	Reduction Gear						144	▲ Adapter Bolt	1	411520	411520	411527	411244
	15:1 Ratio	1	272028	.....	.....	.....	146	▲ Lockwasher	2	419024	419024	419025	419026
	♦ Ratio	1	272011	272264	272164	272365	148	▲ Hex Nut	2	407104	407104	407108	407110
72	▲ Key	2	248218	248218	248218	272389							

* Includes parts listed immediately below marked "▲." Housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

♦ 2 req'd. on TXT12; 8 req'd. on TD113 & TD114; 12 req'd. on TD115.

† See last paragraph under "ORDERING PARTS" following.

‡ Use reference number when ordering, giving complete part identification.

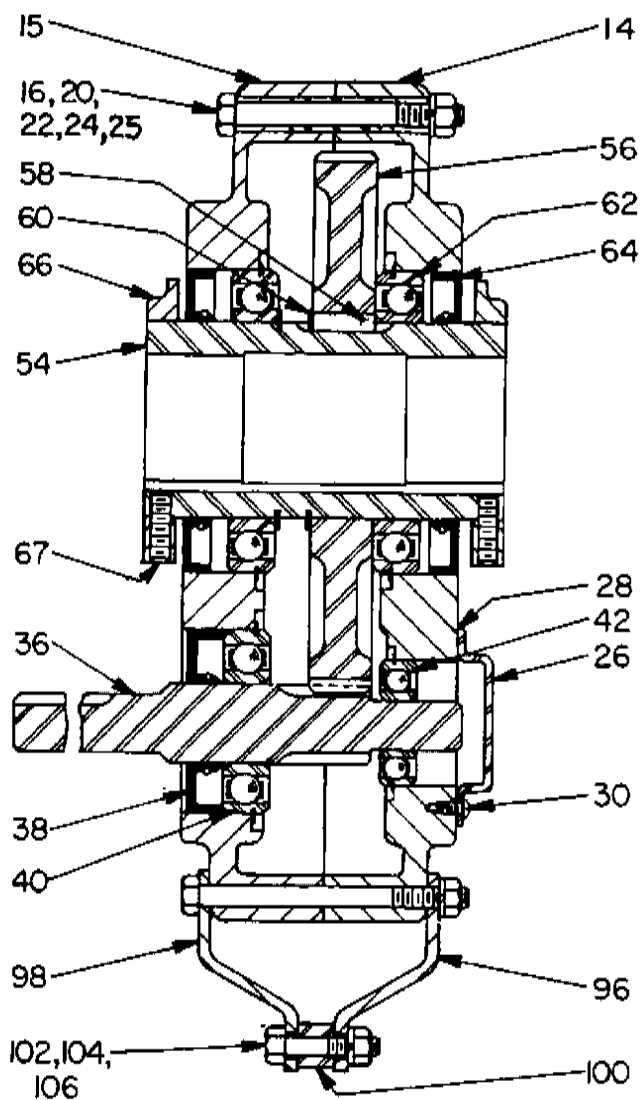
♦ 25:1 on TXT12, TD113 & TD114; 30:1 on TD115.

‡ 4 sets req'd. on TXT12, TD113 & TD114; 6 sets req'd. on TD115.

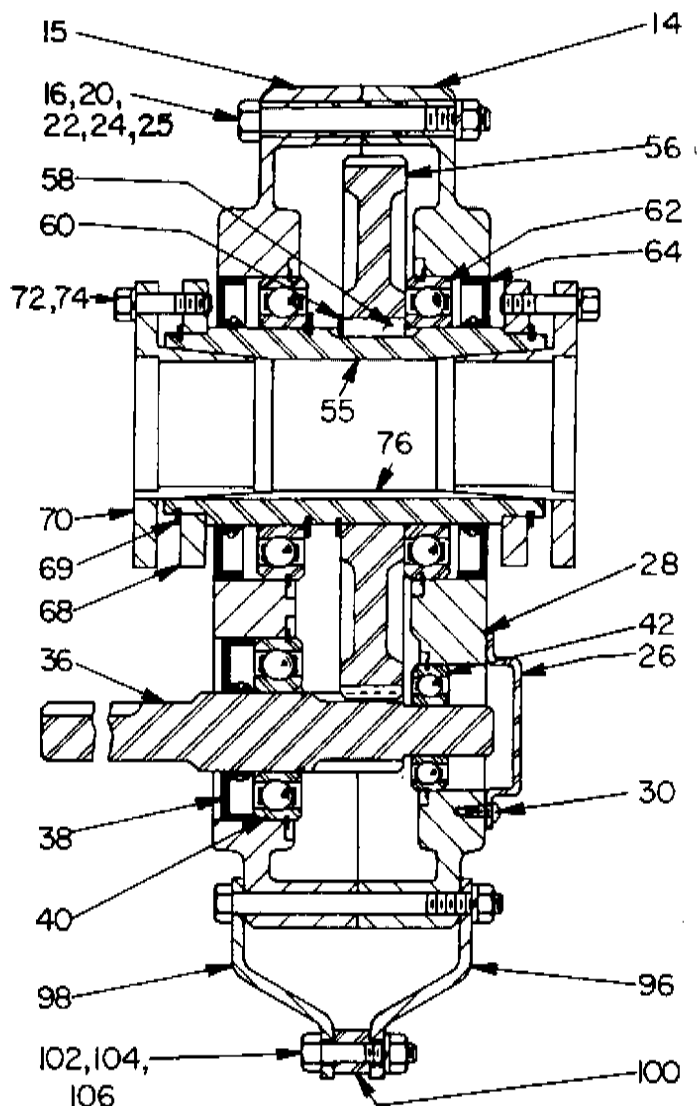
+ 2 sets req'd. on TXT12, TD113 & TD114; 3 sets req'd. on TD115.

* Recommended spare parts.

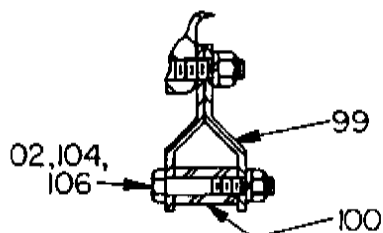
PARTS FOR TXT105 thru TXT505 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



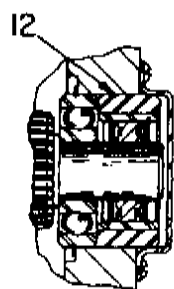
Straight Bore



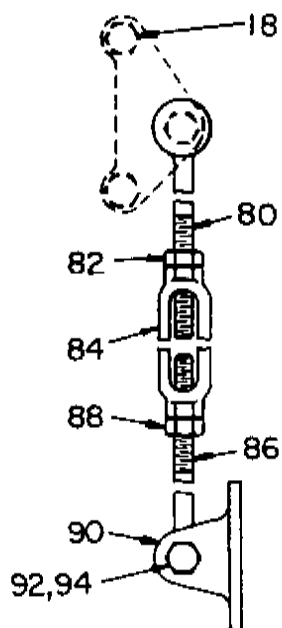
Taper - Bushed



Adapter Plate Assembly



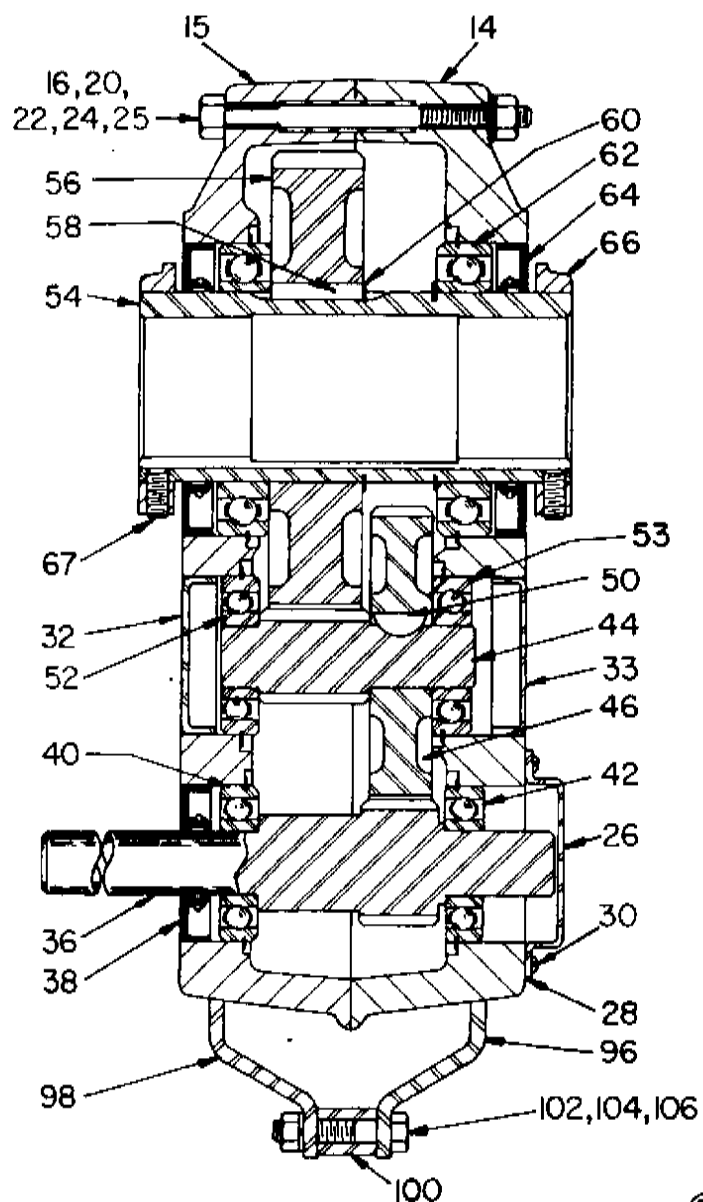
Backstop Assembly



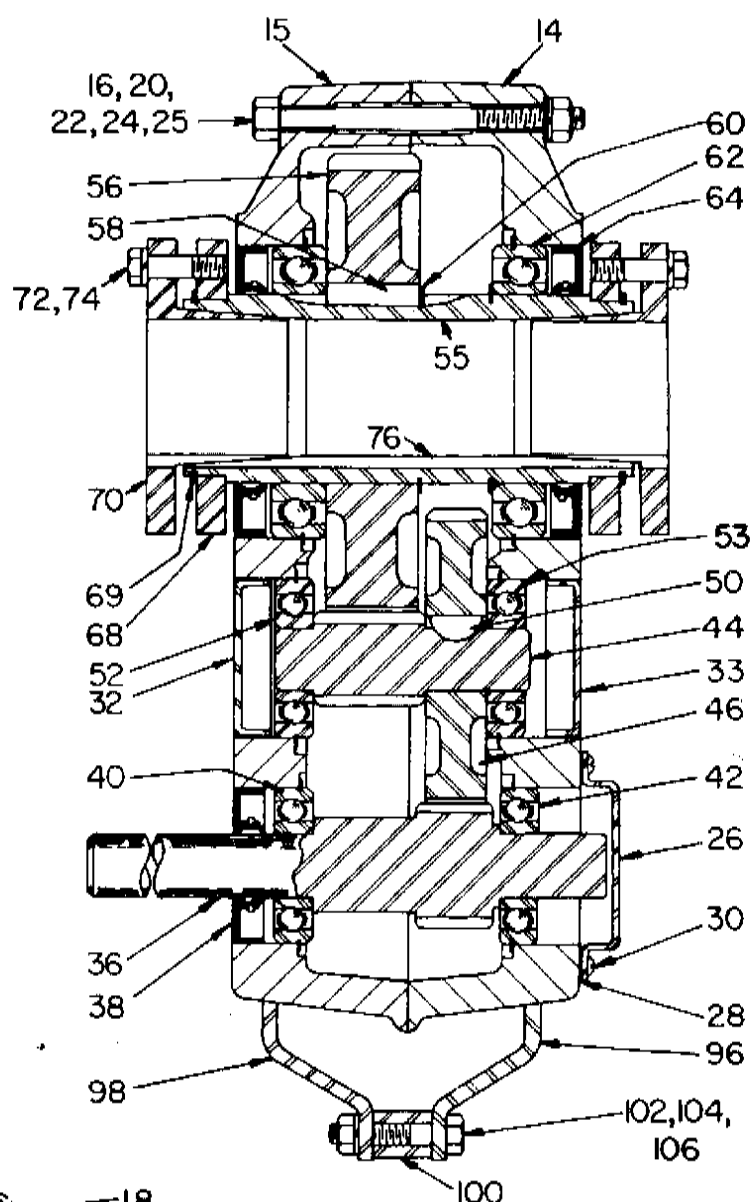
Torque-Arm Assembly

Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts list. Each six digit number is a complete identification of the part or assembly.

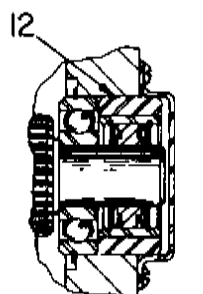
PARTS FOR TXT1 thru TXT5 STRAIGHT BORE & TAPER BUSHED SPEED REDUCER



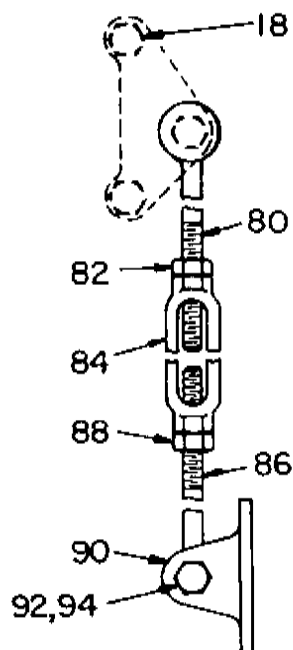
Straight Bore



Taper - Bushed



Backstop Assembly



Torque-Arm Assembly

Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

243104 244102 245154

	Name of Part	No. Req'd	TXT1 Part No.	TXT2 Part No.	TXT3 Part No.	TXT4 Part No.	TXT5 Part No.
12	Backstop Assembly	1	242101	252101	243102	244148	248154
14	Housing	1	241190	242180	243190	244180	245170
15	Air Vent	1	241237	241237	241237	241237	245237
16	Housing Bolt	1	411418	411418	411440	411442	411464
18	Adaptor - Housing Bolt	2	411420	411420	411442	411444	411466
20	Lockwasher	1	419011	419011	419012	419012	419013
22	Hex Nut	2	407087	407087	407089	407089	407091
24	Dowel Pin	2	420092	420091	420055	420055	420110
6	Pipe Plug	2	430031	430031	430031	430031	430033
6	Magnetic Plug	1	430060	430060	430060	430062	430062
25	Washer	2	419082	419204	419084	419094	419096
26	Backstop Cover	1	242221	243221	243221	244221	245221
28	Backstop Cover Gasket	1	242220	243220	243220	254020	245220
30	Backstop Cover Screw	4	415022	415022	415022	415022	416532
6	Lockwasher	4					419007
32	C'Shaft Brg. Cover (Input)	1	242224	242212	243185	244223	355060
33	C'Shaft Brg. Cover (Backstop)	1	242224	243224	243224	243224	355060
6	C'Shaft Brg. Cover Gasket	1				244222	
6	C'Shaft Brg. Cover Screw	4				415022	
36*	Input Shaft { 15:1 Ratio with Pinion	1	241302	242186	243059	244225	245057
40*	Input Shaft Brg. (Input)	1	241200	242187	243058	244226	245058
42*	Input Shaft Brg. (Backstop)	1	390283	392083	392084	392085	392085
6	Input Shaft Key	1	392077	392089	390286	390295	392088
		1	443008	443014	443032	443082	443113
44	COUNTER-SHAFT ASSEMBLY* { 15:1 Ratio 25:1 Ratio	1	392090	392092	392094	392096	392098
	Δ Countershaft with Pinion	1	392091	392093	392095	392097	392099
46*	Δ First Reduction { 15:1 Ratio 25:1 Ratio	1	241216	242185	243185	244185	245185
50*	Δ Gear Key	1	241170	242008	243214	244214	245214
52*	Countershaft Brg. § (Input)	1	241171	242005	243212	244212	245212
53*	Countershaft Brg. (Backstop)	1	241309	242218	243215	244215	244215
		1	391757	390288	390295	390286	390302
		1	391757	390288	390288	390287	390302
54*	OUTPUT HUB ASSEMBLY* Straight Bore	1	390151	392110	392112	392114	392116
	Taper Bushed Δ Output Hub (Str. Bore)	1	390878	392111	392113	392115	392117
55*	Δ Output Hub (Taper Bush)	1	241208	242208	243338	244208	245338
56*	Δ Output Gear	1	241265	242134	243307	244091	245113
58*	Δ Output Gear Key	1	241007	242181	243222	244188	245186
60*	Δ Output Hub Snap Ring	1	241217	443399	243216	244217	245216
6	Output Hub Key □ (Max. bore)	2	421013	421017	421021	421025	421030
		1	241286	242286	243250	244250	245250
62*	Output Hub Bearing	2	390279	390284	390289	390296	390300
66	Output Hub Collar □	2	241209	242209	243209	244209	245209
67	Collar Screw □	4	400082	400094	400098	400150	400154
68	Bushing Back-up Plate ■	2	241286	242137	243308	244099	245114
69	Retaining Ring ■	2	421111	421112	421108	421108	421107
70*	SEAL KIT * Δ Backstop Cover Gasket	1	242220	243220	243220	254020	245220
38*	Δ Input Shaft Seal	1	241457	242203	243203	244203	245203
6*	Δ Output Hub Seal	2	241202	242202	243202	244202	245202
6*	Δ Housing Gasket *	1	241219	242219	243219	244219	245219
64*	Δ Gasket Eliminator Tube	1	465044	465044	465044	465044	465044
70	BUSHING ASSEMBLY* 1" Bore	1	241278				
	1-1/16" Bore	1	241280				
	1-1/8" Bore	1	241282	242146			
	(Taper Bushed 1-3/16" Bore	1	241286	242148			
	Only) 1-1/4" Bore	1	241288	242150			
	1-5/16" Bore	1	241290	242152	243282		
	1-3/8" Bore	1	241294	242154	243284		
	1-7/16" Bore	1	241292	242156	243286	244079	
	1-1/2" Bore	1		242158	243282	244081	
	1-5/8" Bore	1		242162	243284	244083	

	Name of Part	No. Req'd	TXT1 Part No.	TXT2 Part No.	TXT3 Part No.	TXT4 Part No.	TXT5 Part No.
70	BUSHING ASSEMBLY* (Taper Bushed Only)	1	242164	243268	244085		
	1-11/16" Bore	1	242166	243266	244087		
	1-3/4" Bore	1	242168	243270	244089	245084	
	1-7/8" Bore	1	242168	243272	244093	245086	
	2" Bore	1	243274	244095	245088		
	2-1/8" Bore	1			244109		
	2-3/16" Bore	1			244111	245090	
	2-1/4" Bore	1			244113	245092	
	2-7/16" Bore	1			244115	245094	
	2-1/2" Bore	1				245096	
	2-11/16" Bore	1				245110	
	2-15/16" Bore	1				245112	
72	Δ Bushing Screw	6	411405	411390	411407	411408	411435
74	Δ Lockwasher	6	419010	419010	419011	419011	419012
75	1" Bore	1	443274				
	1-1/16" Bore	1	443274				
	1-1/8" Bore	1	443271	443281			
	1-3/16" Bore	1	241308	443281			
	1-1/4" Bore	1	241307	443281			
	1-5/16" Bore	1	241308	443280	443284		
	1-3/8" Bore	1	241310	443280	443284		
	1-7/16" Bore	1	241305	443282	443285	443254	
	1-1/2" Bore	1	443282	443285	443254		
76	Δ Key, Bushing to Shaft	1	242172	443285	443254		
	1-11/16" Bore	1	242171	443286	443254		
	1-3/4" Bore	1	242170	443286	443254		
	1-7/8" Bore	1		443287	443255	443251	
	1-15/16" Bore	1	443283	443289	443255	443251	
	2" Bore	1	443288	443289	443255	443251	
	2-1/8" Bore	1			443258		
	2-3/16" Bore	1			443259	443251	
	2-1/4" Bore	1			443260	443251	
	2-7/16" Bore	1			443261	443243	
	2-1/2" Bore	1				443244	
	2-11/16" Bore	1				443245	
	2-15/16" Bore	1				443250	
6	Δ Key, Bushing to Output Hub	1	443284	443262		443202	
6	Δ Key, Bushing to Output Hub 3/4" thru 1" Bore	1	443272				
6	Δ Key, Bushing to Output Hub 1-1/16" thru 1-3/8" thru 1-7/8" Bore	1	443273				
	1-15/16" & 2" Bore	1				443257	
		1				443256	
80	TORQUE ARM ASSEMBLY* Δ Rod End	1	241097	243097	243097	245097	245097
82	Δ Hex Nut	1	241245	243245	243245	245245	245245
84	Δ Turnbuckle	1	407093	407095	407095	407097	407097
86	Δ Extension	1	241246	243246	243246	245246	245246
		1	241247	243247	243247	245247	245247
88	Δ L.H. Hex Nut	1	407242	407244	407244	407246	407246
90	Δ Fulcrum	1	241249	243249	243249	246249	246249
92	Δ Fulcrum Screw	1	411456	411484	411484	411484	411484
94	Δ Hex Nut	1	407091	407093	407093	407095	407095
96	ADAPTER ASSEMBLY* Δ R.H. Adapter Plate	1	259151	259152	259153	259154	259155
98	Δ L.H. Adapter Plate	1	241242	242136	243242	244242	245242
100	Δ Adapter Bushing	1	241241	242135	243241	244241	245241
102	Δ Adapter Bolt	1	242243	243243	243243	245243	245243
104	Δ Lockwasher	1	411412	411437	411437	411480	411460
106	Δ Hex Nut	1	419011	419012	419012	419013	419013
		1	407087	407089	407089	407091	407091

* Includes parts listed immediately below marked "Δ". Series TXT1 and TXT5 housing assemblies also includes a two-piece housing. Bushing assembly includes 2 bushings.

Δ The parts marked "Δ" make up the assemblies under which they are listed.

δ Not shown on drawing.

1 4 req'd. on TXT1; 5 req'd. on TXT2; 6 req'd. on TXT3, TXT4 & TXT5.

‡ 6 req'd. on TXT1; 7 req'd. on TXT2; 8 req'd. on TXT3, TXT4 & TXT5.

* For reducers originally supplied with gaskets only.

□ Straight Bore only.

■ Taper Bushed only.

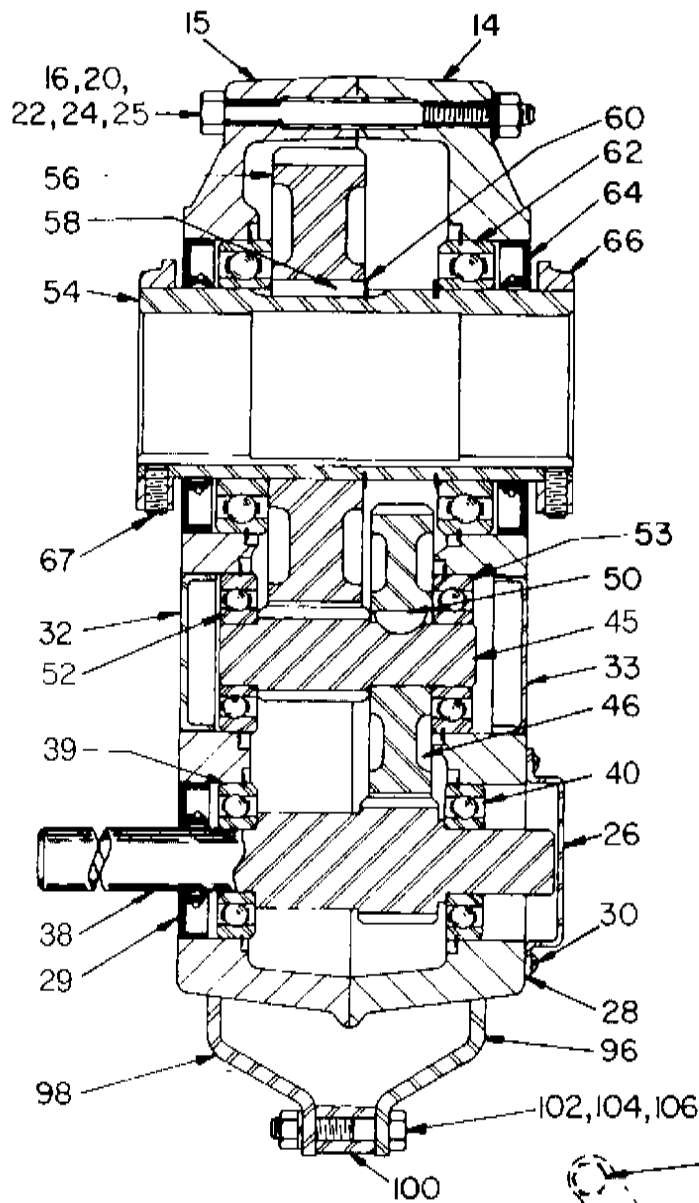
Δ On size TXT2 for 1-1/8" thru 1-1/2" bores; TXT3 for 1-5/16" thru 1-3/4" bores and TXT5 for 1-7/16" thru 2-1/4" bores.

§ Double row ball bearing on size TXT4.

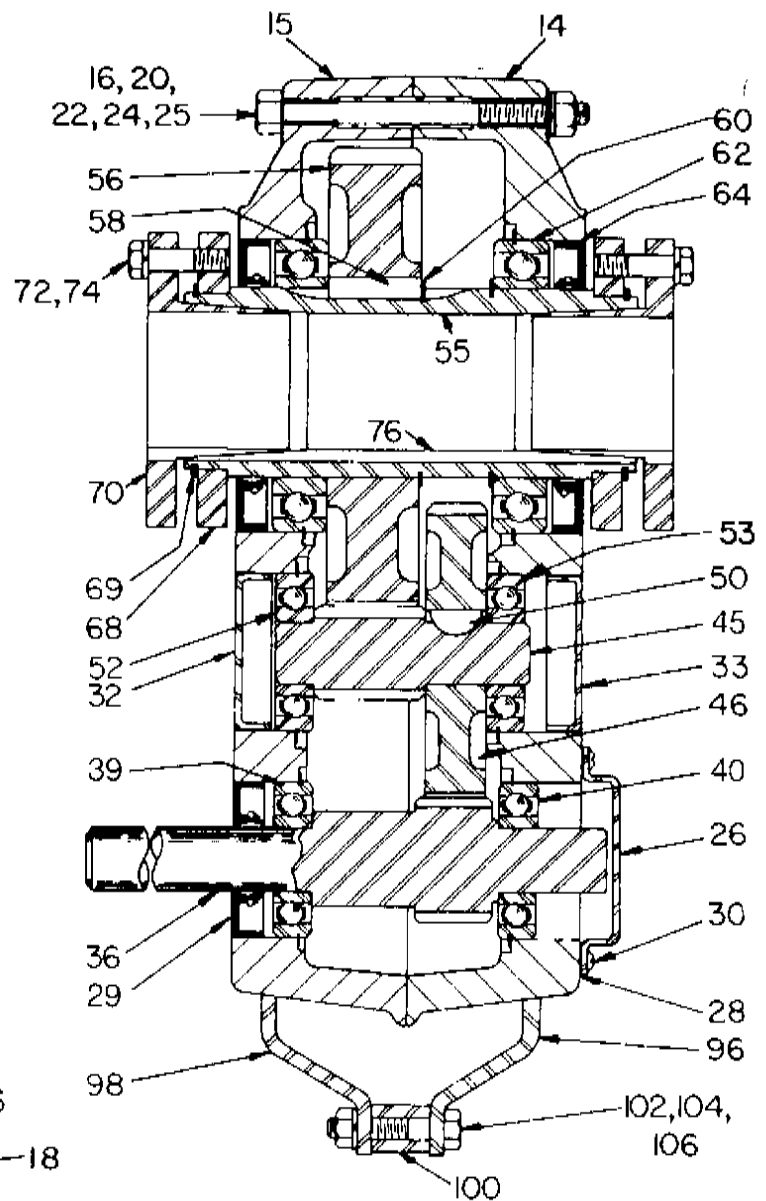
* Recommended spare parts.

NOTE: When replacing housing gasket or sealant clean housing flange surfaces on both halves, making sure not to nick or scratch flange surfaces. If reducer was originally supplied with a gasket do not use gasket replacer (Dow Corning RTV732) use gasket replacer (Dow Corning RTV732) only when the reducer was supplied without a housing gasket.

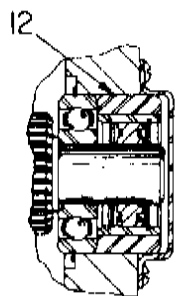
PARTS FOR TXT1 thru TXT5A STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



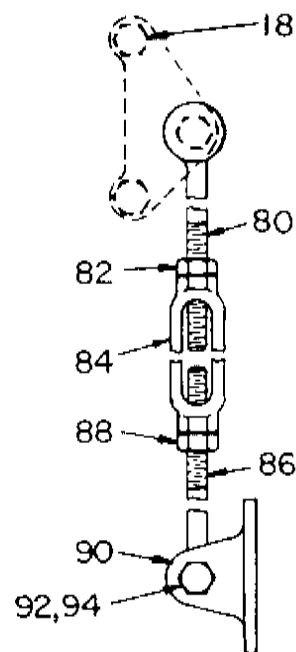
Straight Bore



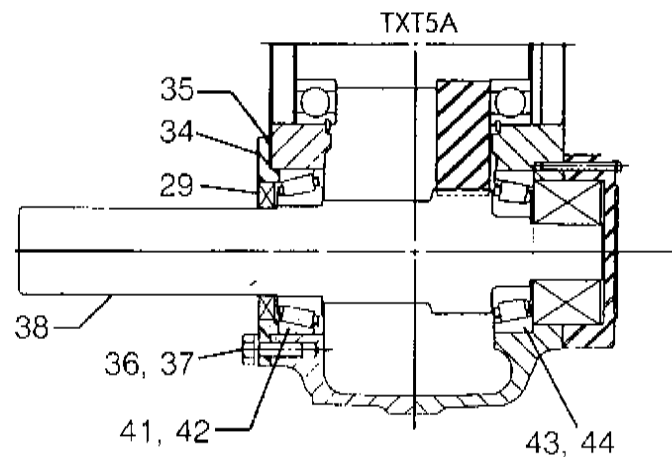
Taper - Bushed



Backstop Assembly



Torque-Arm Assembly



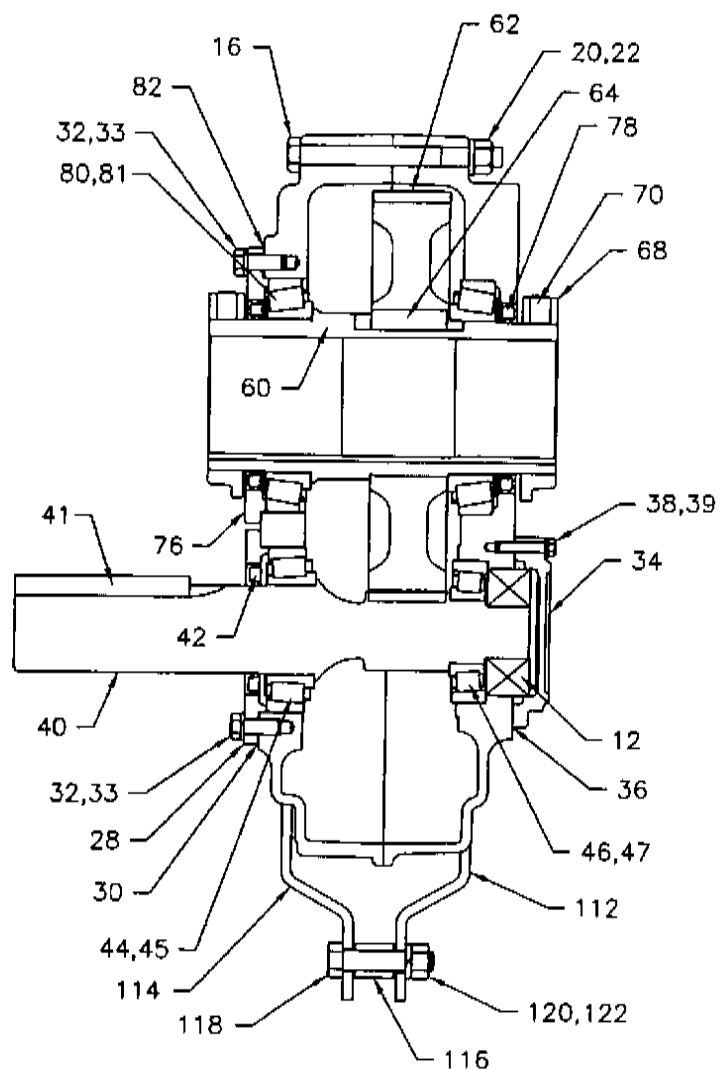
TXT5A

Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

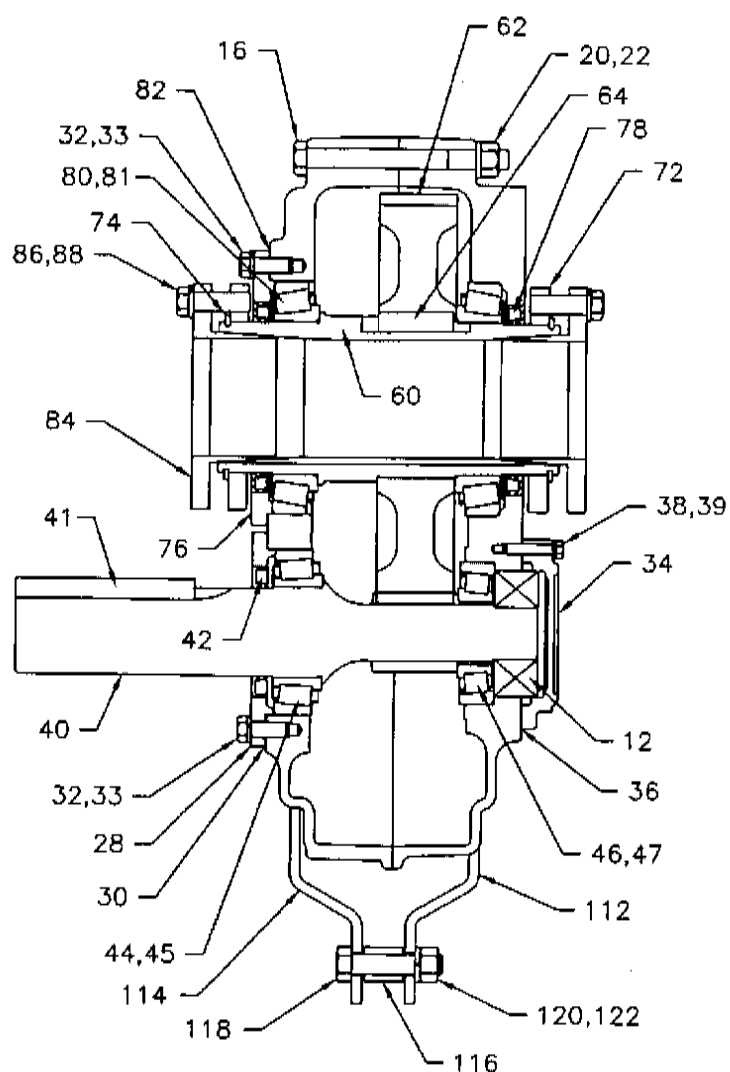
Reference	Name of Part	No. Req'd	TX11 Part No.	TX12 Part No.	TX13 Part No.	TX14 Part No.	TX15A Part No.
12	Backstop Assembly	1	242101	242101	243102	244148	245154
14	Housing	1	241190	242190	243190	244190	245527
15	Air Vent	1	241237	241237	241237	241237	245237
16	Housing Bolt	1	411418	411418	411440	411442	411464
18	Adaptor-Housing Bolt	2	411420	411420	411442	411444	411466
20	Lockwasher	1	419011	419011	419012	419012	419013
22	Hox Nut	1	407087	407087	407089	407089	407091
24	Dowel Pin	2	420091	420091	420055	420055	420110
25	Pipe Plug	2	430031	430031	430031	430031	430033
25	Magnetic Plug Washer	1	430060	430060	430060	430060	430062
25	Washer	4	419092	419094	419094	419094	419096
26	Backstop Cover	1	242221	243221	243104	244102	245156
28	Backstop Cover Gasket	1	242220	243220	243220	254020	245220
30	Backstop Cover Screw	4	415022	415022	415022	415022	416532
30	Lockwasher	4					419007
32	C Shaft Brg. Cover (Input)	1	242224	242212	243195	244223	355060
33	C Shaft Brg. Cover (Backstop)	1	242224	243224	243224	243224	355060
34	C Shaft Brg. Cover Gasket	1				244222	
34	C Shaft Brg. Cover Screw	4				415022	
34	Input Shaft Seal Carrier						245536
35	Input Shaft Brg. Shim Pack *						391799
	Δ .002" Thick						427550
	Δ .005" Thick						427551
	Δ .010" Thick						427552
	Δ .025" Thick						427553
36	Carrier Bolts						411407
37	Lockwasher						419011
38	Input Shaft 9:1 Ratio with Pinion	1	241481	242481	243481	244481	245529
	15:1 Ratio	1	241302	242186	243059	244225	245530
	25:1 Ratio	1	241200	242187	243058	244226	245531
41	Input Shaft Brg. (Input)	1	424112	424019	424087	424089	
41	Input Shaft Brg. (Backstop)	1	424017	424090	424000	424002	
42	Input Shaft Brg. (Input Side)						402144
43	Input Shaft Brg. (Backstop Side)						403104
44	Input Shaft Key	1	443008	443014	443032	443082	443113
45	COUNTER-SHAFT ASSEMBLY *	1	392100	392101	392102	392103	392104
	Δ Countershaft with Pinion	1	392090	392092	392094	392096	392098
	Δ First Reduction Gear	1	392091	392093	392095	392097	392099
46*	Δ Gear Key (Input)	1	241216	242185	243185	244185	245185
50*	Countershaft Brg. & (Input)	1	241482	242482	243482	244482	245482
52*	Countershaft Brg. (Backstop)	1	241170	242008	243214	244214	245214
53*	Output Hub Assembly *	1	241171	242006	243212	244212	245212
54*	Output Hub Assembly *	1	241309	242218	243215	244215	245215
55*	Output Hub (Straight Bore)	1	241208	242208	243338	244208	245338
56*	Output Hub (Taper Bush)	1	241265	242134	243307	244091	245113
58*	Output Gear Key	1	241007	242181	243222	244188	245186
60*	Output Hub (Snap Ring)	2	241217	443399	243216	244217	245216
62*	Output Hub Bearing	2	421013	421017	421021	421025	421030
66	Output Hub Collar	2	241296	242296	243250	244250	245250
67	Collar Screws	4	400062	400094	400098	400150	400154
68	Bushing Back-up Plate	2	241266	242137	243308	244099	245114
69	Retaining Ring	2	421111	421112	421109	421108	421107
28*	SEAL KIT *	1	392119	392120	243340	392121	245340
29*	Δ Backstop Cover Gasket	1	242220	243220	243220	254020	245220
29*	Δ Input Shaft Seal	1	241457	242211	243211	244211	356011
30*	Δ Output Hub Seal	2	241210	242210	243210	244210	245210
64*	Gasket Eliminator Tube	1	465044	465044	465044	465044	465044
70	BUSHING ASSEMBLY *	1	241278				
	1" Bore	1	241280				
	1 1/8" Bore	1	241282	242146			
	1 1/4" Bore	1	241286	242148			
	1 1/2" Bore	1	241288	242150			
	1 3/4" Bore	1	241290	242152	243282		
	1 7/8" Bore	1	241924	242154	243284		
	2" Bore	1	241292	242156	243286	244070	
	2 1/8" Bore	1		242158	243288	244081	
	2 1/4" Bore	1		242162	243294	244083	

- * Includes parts listed immediately below marked "Δ". Series TX11 and TX15A housing assemblies also includes a two-piece housing. Bushing assembly includes 2 bushings.
- Δ The parts marked "Δ" make up the assemblies under which they are listed.
- § Not shown on drawing.
- † 4 req'd. on TX11; 5 req'd. on TX12; 6 req'd. on TX13, TX14 & TX15A.
- ‡ 6 req'd. on TX11; 7 req'd. on TX12; 8 req'd. on TX13, TX14 & TX15A.
- Straight Bore only.
- Taper Bushed only.
- β On size TX12 for 1 1/8" thru 1 1/2" bores; TX13 for 1 1/4" thru 1 3/4" bores and TX15A for 1 1/2" thru 2 1/4" bores.
- § Double row ball bearing on size TX14.
- * Recommended spare parts.

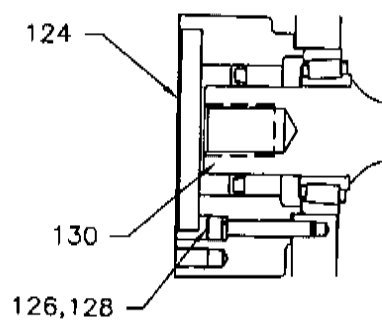
Parts for TXT / HXT 305A, 405A & 505A Straight Bore and Taper Bushed Speed Reducers



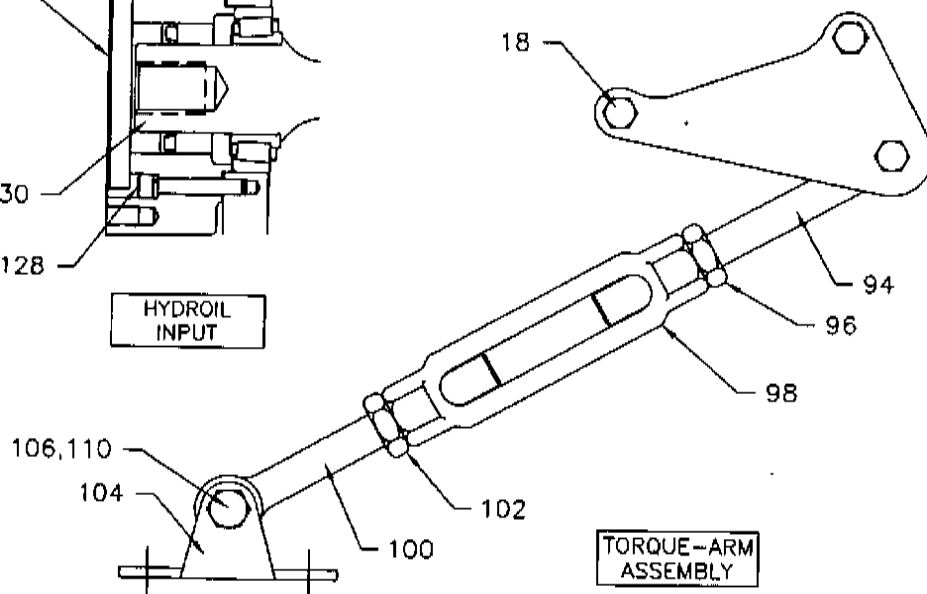
STRAIGHT BORE



TAPER BUSHED



HYDROIL INPUT



TORQUE-ARM ASSEMBLY

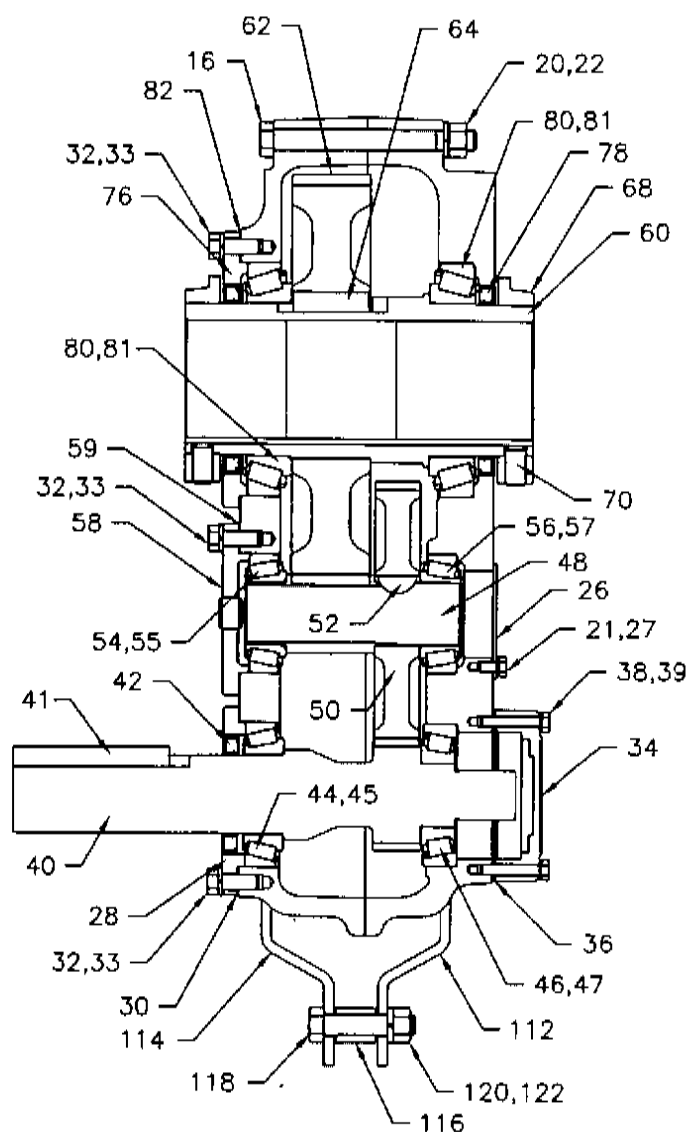
NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.

Ref.	Name of Part	No. Req'd	TXT305A HXT305A	TXT405A HXT405A	TXT505A HXT505A
12	Backstop Assembly	1	252101	244148	246101
§	Housing	1	253165	254218	255216
16	Air Vent	1	241237	241237	245237
16	Housing Bolt	6	411440	411442	411464
18	Adapter Housing Bolt	2	411442	411444	411466
19	Washer §†	4	419094	419094	419096
20	Lock Washer	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
§	Pipe Plug	2	430031	430031	430033
§	Magnetic Plug	1	430060	430060	430062
28	Input Shaft Seal Carrier	1	253177	254224	255224
30*	Imp Shft Brg Shim Pack	2‡	389723	389724	389725
32	Carrier/Cover Screws	+	411390	411407	411407
33	Lock Washer	+	419010	419011	419011
34	Backstop Cover	1	253175	254223	255019
38	Backstop Cover Screw	4	416524	411035	411406
39	Lock Washer	4	419007	419009	419009
40*	Input Shaft with Pinion	1	253170	254230	255221
41	Input Shaft Key	1	443078	443096	443113
44*	▲ Input Shaft Brg Cone	1	402190	402179	402270
45*	▲ (Input Side) Cup	1	403132	403006	403026
46*	▲ Input Shaft Brg Cone	1	402271	402285	402266
47*	▲ (Backstop Side) Cup	1	403101	403125	403073
60*	Output Hub Straight Assembly ★	1	389702	389709	389716
	▲ Output Hub Tapered	1	389703	389710	389717
	▲ Output Hub Straight Tapered	1	243557	244589	245591
62*	▲ Output Gear	1	243556	244588	245590
64*	▲ Output Gear Key	1	243570	244188	245186
68	Output Hub Collar □	2	389733	391015	391026
70	Collar Screw □	4	243572	244658	245598
72	Bushing Backup Plate ■	2	400098	400150	400154
74	Retaining Ring ■	2	243308	244099	245114
76	Output Hub Seal Carrier (Input Side)	2	421109	421108	421107
	Output Hub Brg Kit ★	1	243547	244591	245592
80*	▲ Output Hub Cone	1	389589	389592	389596
81*	▲ Bearing Cup	2	402272	402268	402193
82*	Output Hub Bearing Shim Pack	2‡	403127	403163	403016
	Seal Kit ★	1	389706	389713	389719
36*	▲ Backstop Cvr Gasket	1	389720 243561	389721 244593	389722 245220
42*	▲ Input Shaft Seal	1	243558	385011	355011
78*	▲ Output Hub Seal	2	243578	244673	245545
§	RTV Sealant, Tube	1	465044	465044	465044

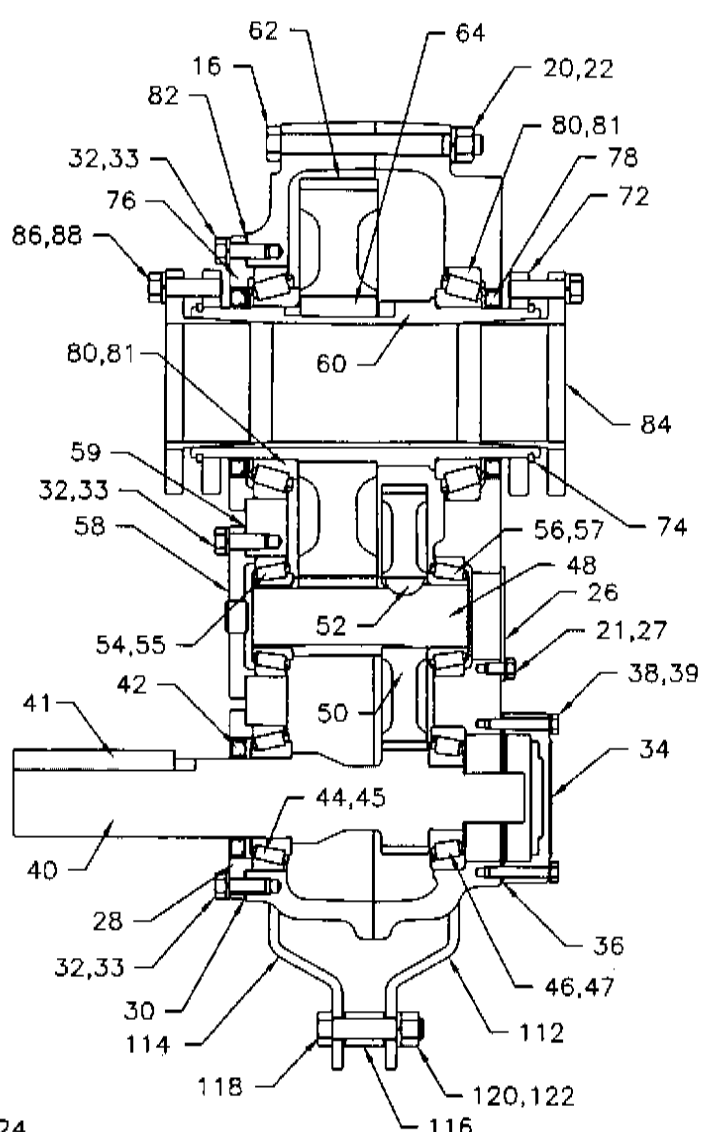
Ref.	Name of Port	No. Req'd	TXT305A HXT305A	TXT405A HXT405A	TXT505A HXT505A
84	Bushing 1-5/16" Bore	1	243282	--	--
	Assembly 1-3/8" Bore	1	243284	--	--
	★ 1-7/16" Bore	1	243260	244079	--
	1-1/2" Bore	1	243262	244081	--
	1-5/8" Bore	1	243264	244083	--
	1-11/16" Bore	1	243268	244085	--
	1-3/4" Bore	1	243266	244087	--
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	--	244109	--
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	--	244113	245092
	2-7/16" Bore	1	--	244115	245094
90	2-1/2" Bore	1	--	--	245099
	2-11/16" Bore	1	--	--	245110
	2-15/16" Bore	1	--	--	245112
86	▲ Bushing Screw	6	411407	411408	411435
88	▲ Lock Washer	6	419011	419011	419012
90	1-5/16" Bore	1	443264	--	--
	1-3/8" Bore	1	443264	--	--
	1-7/16" Bore	1	443265	443254	--
	1-1/2" Bore	1	443265	443254	--
	1-5/8" Bore	1	443265	443254	--
	1-11/16" Bore	1	443266	443254	--
	1-3/4" Bore	1	443266	443254	--
	1-7/8" Bore	1	443267	443255	443251
	1-15/16" Bore	1	443269	443255	443251
	2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	--	443258	--
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	--	443260	443251
	2-7/16" Bore	1	--	443261	443243
§	2-1/2" Bore	1	--	--	443244
	2-11/16" Bore	1	--	--	443245
	2-15/16" Bore	1	--	--	443250
	▲ Key, Bushing to Output Hub	1◇	443262	--	443202
		1◇	--	443257	--
	Torque-Arm Assembly ★	1	243097	245097	245097
94	▲ Rod End	1	243245	245245	245245
96	▲ Hex Nut	1	407095	407097	407097
98	▲ Turnbuckle	1	243246	245246	245246
100	▲ Extension	1	243247	245247	245247
102	▲ LH Hex Nut	1	407244	407246	407246
104	▲ Fulcrum	1	243249	246249	246249
106	▲ Fulcrum Screw	1	411484	411484	411484
110	▲ Hex Nut	1	407093	407093	407093
112	Adapter Assembly ★	1	259153	259154	259155
	▲ RH Adapter Plate	1	243242	244244	245242
	▲ LH Adapter Plate	1	243241	244243	245241
	▲ Adapter Bushing	1	243243	245243	245243
	▲ Adapter Bolt	1	411437	411460	411460
	▲ Lock Washer	1	419012	419013	419013
	▲ Hex Nut	1	407089	407091	407091
	Motor Adapter	1	253172	254222	255226
	Adapter Screw	1	417090	417120	417120
	Lock Washer	1	419046	419047	419047
	Input Shaft with Pinion	1	253171	254231	255222

- ★ Includes parts listed immediately below marked "▲".
Housing assembly includes a two-piece housing.
Bushing assembly includes 2 bushings.
- ▲ Makes up assembly under which it is listed.
- § Not shown on drawing.
- † Washer is used on housing bolts at dowel pin locations.
- Straight Bore only.
- Taper Bushed only.
- ‡ See last paragraph under "Ordering Parts".
- + 10 req'd on 305A ; 12 req'd on 405A & 505A.
- * Recommended spare parts.
- ◇ On size 305A for 1-15/16" thru 1-3/4" bores.
On size 405A for 1-7/16" thru 1-7/8" bores.
On size 505A for 1-7/8" thru 2-1/4" bores.
- ◇ On size 405A for 1-15/16" and 2" bores.

Parts for TXT / HXT 3A, 4A & 5B Straight Bore and Taper Bushed Speed Reducers

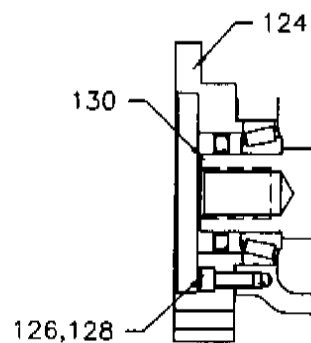


STRAIGHT BORE

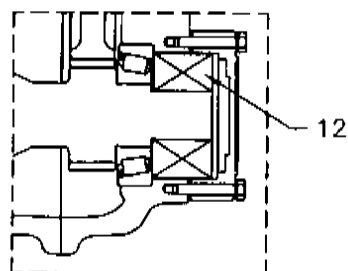


TAPER BUSHED

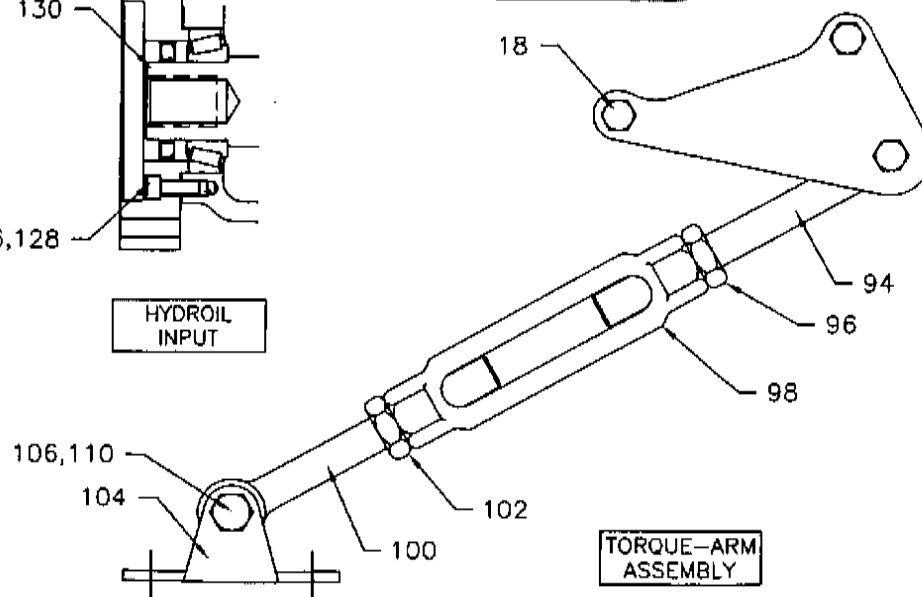
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HYDROIL
INPUT



BACKSTOP ASSEMBLY

TORQUE-ARM
ASSEMBLY

Ref.	Name of Part	No. Req'd	TXT3A HXT3A	TXT4A HXT4A	TXT5B HXT5B
12	Backstop Assembly	1	243106	244106	245154
§	Housing ★	1	243534	244567	245587
16	Air Vent	1	241237	241237	245237
16	Housing Bolt	6	411440	411442	411464
18	Adapter Housing Bolt	2	411442	411444	411466
19	Washer §†	4	419094	419094	419096
20	Lock Washer	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
3	Pipe Plug	2	430031	430031	430033
5	Magnetic Plug	1	430060	430060	430062
21	C'shaft Bearing Cover (Backstop Side)	1	243559	244574	244574
26	C'shaft Cover Screw	4	416524	411035	411394
27	Lock Washer	4	419007	419009	419009
28	Input Shaft Seal Carrier	1	243543	244577	245597
30*	Imp Shft Brg Shim Pack	2†	389704	389711	389732
32	Carrier/Cover Screws	+	411390	411407	411407
33	Lock Washer	+	419010	419011	419011
34	Backstop Cover	1	243560	244493	245547
38	Backstop Cover Screw	4	416524	411035	411406
39	Lock Washer	4	419007	419009	419009
40*	Input Shaft 9:1 Ratio with Pinion 15:1 Ratio 25:1 Ratio	1 1 1	243549 243550 243551	244579 244580 244581	245599 245600 245601
41	Input Shaft Key	1	443032	443082	443113
	Input Bearing Kit ★	1	389587	389590	389594
44*	▲ Input Shaft Brg Cone	1	402204	402280	402144
45*	▲ (Input Side) Cup	1	403139	403027	403104
46*	▲ Input Shaft Brg Cone	1	402273	402142	402266
47*	▲ (Backstop Side) Cup	1	403094	403102	403073
	Countershaft 9:1 Ratio Assembly ★ 15:1 Ratio 25:1 Ratio	1 1 1	389729 389700 389701	389730 389707 389708	389731 389714 389715
48	▲ C'shaft with Pinion	1	243555	244590	245596
50*	▲ First 9:1 Ratio Reduction 15:1 Ratio Gear 25:1 Ratio	1 1 1	243237 243238 243239	244482 244214 244212	245582 245214 245212
52*	▲ Key	1	243215	244215	244215
	Countershaft Brg Kit ★	1	389588	389591	389595
54*	▲ Countershaft Brg Cone	1	402273	402000	402203
55*	▲ (Input Side) Cup	1	403094	403000	403027
56*	▲ Countershaft Brg Cone	1	402273	402000	402203
57*	▲ (Backstop Side) Cup	1	403094	403000	403027
58	C'shaft Brg Cover (Input Shaft)	1	243545	244578	245594
59*	C'shaft Brg Shim Pack	2†	389705	389712	389718
	Output Hub Straight Assembly ★ Tapered	1 1	389702 389703	389709 389710	389716 389717
60*	▲ Output Hub Straight Tapered	1 1	243557 243556	244589 244588	245591 245590
62*	▲ Output Gear	1	243570	244188	245186
64*	▲ Output Gear Key	1	389733	391015	391026
68	Output Hub Collar □	2	243572	244658	245598
70	Collar Screw □	4	400098	400150	400154
72	Bushing Backup Plate ■	2	243308	244099	245114
74	Retaining Ring ■	2	421109	421108	421107
76	Output Hub Seal Carrier (Input Side)	1	243547	244591	245592
	Output Hub Brg Kit ★	1	389589	389592	389596
80*	▲ Output Hub Cone	2	402272	402268	402193
81*	▲ Bearing Cup	2	403127	403163	403016
82*	Output Hub Bearing Shim Pack	2†	389706	389713	389719

Ref.	Name of Part	No. Req'd	TXT3A HXT3A	TXT4A HXT4A	TXT5B HXT5B
	Seal Kit ★	1	389720	389721	389722
36*	▲ Backstop Cvr Gasket	1	243561	244593	245220
42*	▲ Input Shaft Seal	1	243558	244524	355011
78*	▲ Output Hub Seal	2	243578	244673	245545
§	RTV Sealant, Tube	1	465044	465044	465044
	Bushing 1-5/16" Bore	1	243282	--	--
	Assembly 1-3/8" Bore	1	243284	--	--
84	★ 1-7/16" Bore	1	243260	244079	--
	1-1/2" Bore	1	243262	244081	--
	1-5/8" Bore	1	243264	244083	--
	1-11/16" Bore	1	243268	244085	--
	1-3/4" Bore	1	243266	244087	--
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	--	244109	--
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	--	244113	245092
	2-7/16" Bore	1	--	244115	245094
	2-1/2" Bore	1	--	--	245099
	2-11/16" Bore	1	--	--	245110
	2-15/16" Bore	1	--	--	245112
86	▲ Bushing Screw	6	411407	411408	411435
88	▲ Lock Washer	6	419011	419011	419012
	1-5/16" Bore	1	443264	--	--
	1-3/8" Bore	1	443264	--	--
	1-7/16" Bore	1	443265	443254	--
	1-1/2" Bore	1	443265	443254	--
	1-5/8" Bore	1	443265	443254	--
	1-11/16" Bore	1	443266	443254	--
90	Key, ▲ 1-3/4" Bore	1	443266	443254	--
	Bushing 1-7/8" Bore	1	443267	443255	443251
	to 1-15/16" Bore	1	443269	443255	443251
	Shaft 2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	--	443258	--
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	--	443260	443251
	2-7/16" Bore	1	--	443261	443243
	2-1/2" Bore	1	--	--	443244
	2-11/16" Bore	1	--	--	443245
	2-15/16" Bore	1	--	--	443250
	Key, ▲ Bushing 2-3/16" to	1	443262	--	443202
§	to Output 2-1/2" Bore	1	--	443257	--
	Hub 2-7/16" Bore	1	--	443257	--
	3" Bore	1	--	--	--
	Torque-Arm Assembly ★	1	243097	245097	245097
94	▲ Rod End	1	243245	245245	245245
96	▲ Hex Nut	1	407095	407097	407097
98	▲ Turnbuckle	1	243246	245246	245246
100	▲ Extension	1	243247	245247	245247
102	▲ LH Hex Nut	1	407244	407246	407246
104	▲ Fulcrum	1	243249	246249	246249
106	▲ Fulcrum Screw	1	411484	411484	411484
110	▲ Hex Nut	1	407093	407093	407093
	Adapter Assembly ★	1	259153	259154	259155
112	▲ RH Adapter Plate	1	243242	244244	245242
114	▲ LH Adapter Plate	1	243241	244243	245241
116	▲ Adapter Bushing	1	243243	245243	245243
118	▲ Adapter Bolt	1	411437	411460	411460
120	▲ Lock Washer	1	419012	419013	419013
122	▲ Hex Nut	1	407089	407091	407091
124	Motor Adapter 15:1 Ratio 25:1 Ratio	1 1	243539 243541	244572 244572	245606 245607
126	Adapter Screw	◇	417081	417108	415023
128	Lock Washer	1	419046	419047	--
130*	Input Shaft 15:1 Ratio with Pinion 25:1 Ratio	1 1	243553 243554	244583 244584	245603 245604

★ Includes parts listed immediately below marked "▲".

Housing assembly includes a two-piece housing.

Bushing assembly includes 2 bushings.

▲ Makes up assembly under which it is listed.

§ Not shown on drawing.

† Washer is used on housing bolts at dowel pin locations.

□ Straight Bore only.

■ Taper Bushed only.

‡ See last paragraph under "Ordering Parts".

+ 14 req'd on TXT3A & TXT4A ; 15 req'd on TXT5B ;

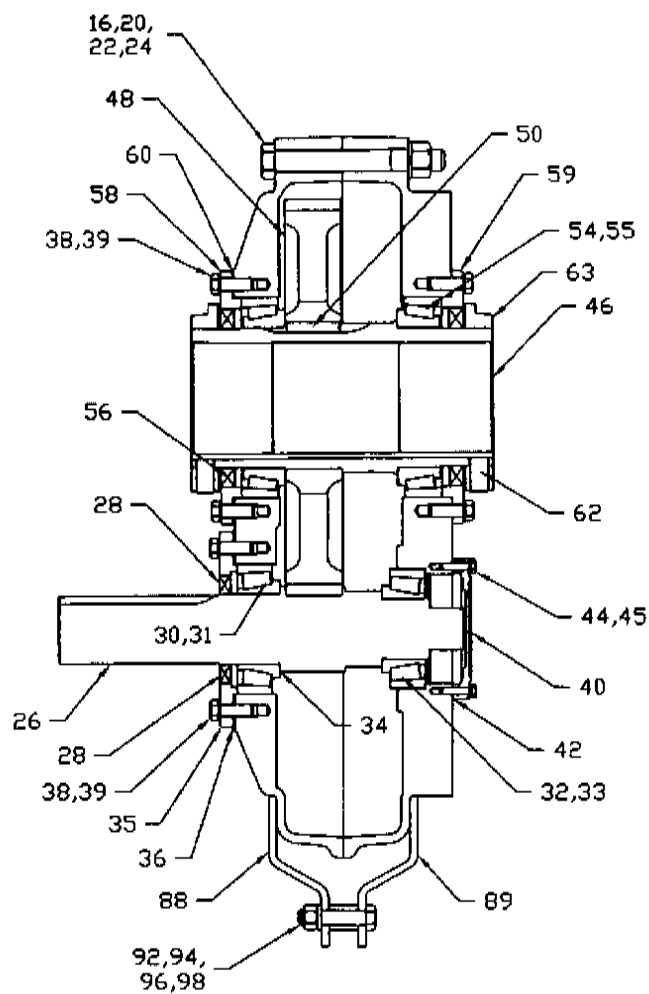
10 req'd on HXT3A , HXT4A & HXT5B.

* Recommended spare parts.

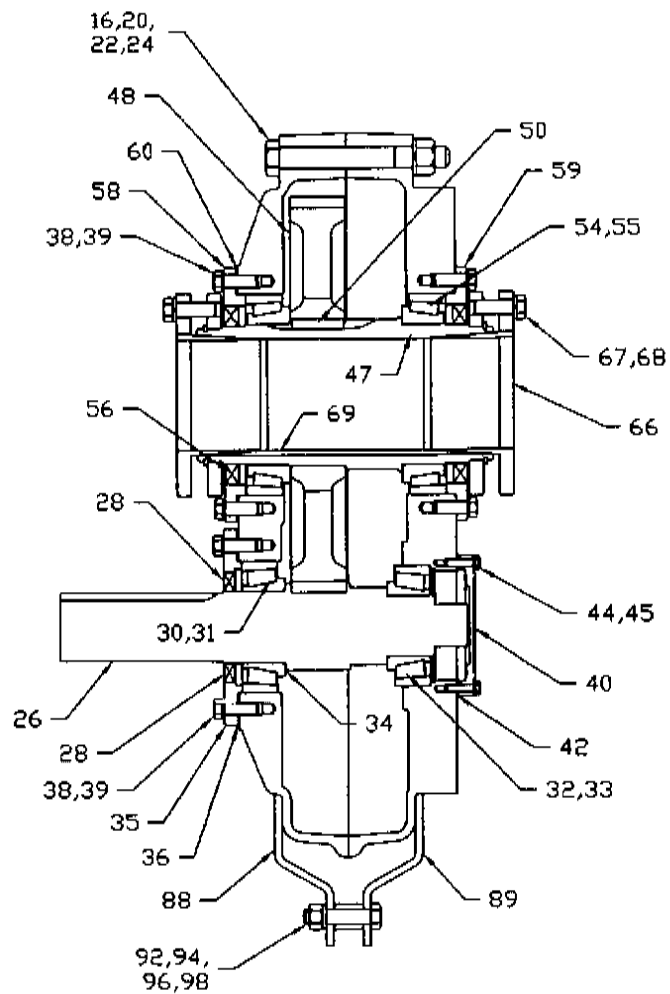
◇ On size TXT/HXT 3A for 1-15/16" thru 1-3/4" bores
and TXT/HXT 5B for 1-7/16" thru 2-1/4" bores.

◇ 4 req'd on HXT3A & HXT4A ; 5 req'd on HXT5B.

Parts for TXT 605 & 705 Straight Bore and Taper Bushed Speed Reducers

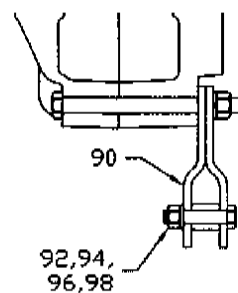


STRAIGHT BORE

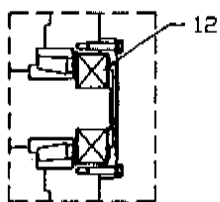


TAPER BUSHED

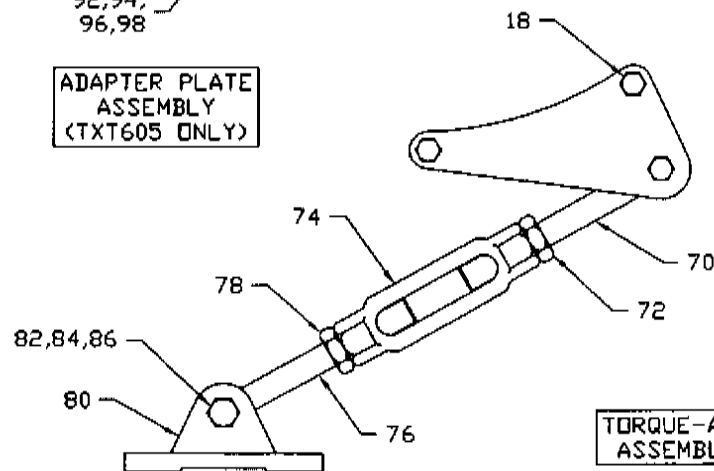
NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.



ADAPTER PLATE ASSEMBLY (TXT605 ONLY)



BACKSTOP ASSEMBLY



TORQUE-ARM ASSEMBLY

Ref.	Name of Part	No. Req'd	TXT605	TXT705
12	Backstop Assembly	1	246092	247260
§	Housing ★	1	246174	247184
16	Air Vent	1	245237	390061
18	Housing Bolt	6	411466	411498
§	Adapter Housing Bolt	2	411468	411499
§	Washer	2	419096	419082
20	Lock Washer	8	419013	419016
22	Hex Nut	8	407091	407095
24	Dowel Pin	2	420112	420128
§	Pipe Plug	2	430033	430035
25	Magnetic Plug §	1	430062	430064
§	RTV Sealant, Tube	1	465044	465044
26*	Input Shaft with Pinion	1	256028	257044
§	Input Shaft Key	1	443113	443127
30*	Input Shaft Brg Cone	1	391979	391964
31*	(Input Side) Cup	1	390333	391972
32*	Input Shaft Brg Cone	1	390450	391981
33*	(Backstop Side) Cup	1	391980	391982
34*	Input Bearing Spacer	1	256030	--
35	Input Shaft Seal Carrier	1	246184	257045
36*	Input Shaft Brg Shim Pack	2 ‡	391164	390420
38	Carrier Screws	+	411408	411433
39	Lock Washer	+	419011	419012
*	Seal Kit	1	272705	247345
42	Backstop Cover Gasket ♡	1	246220	246220
40	Backstop Cover	1	246221	247221
44	Backstop Cover Screw	6	411404	411402
45	Lock Washer	6	419009	419009
46*	Output Hub Straight	1	390988	390990
47*	Assembly ★ Tapered	1	390935	390941
48*	△ Output Hub Straight	1	246338	247338
48*	△ Output Gear Tapered	1	246269	272137
50*	△ Output Gear Key	2	246295	247215
§	Output Hub Key □	1	245217	245217
§	(Max. Bore)	1	443135	443147
54*	Output Hub Cone	2	391935	391962
55*	Bearing Cup	2	391936	390666
58	Output Hub Seal Carrier (Input Side)	1	246187	247315
59	Output Hub Seal Carrier (Backstop Side)	1	246186	247315
60*	Output Hub Bearing Shim Pack	2 ‡	391187	390444
62	Collar Screw □	4	400154	400190
63	Output Hub Collar □	2	246309	247309
64	Bushing Backup Plate ■	2	246270	272138
65	Retaining Ring ■	2	421055	421099

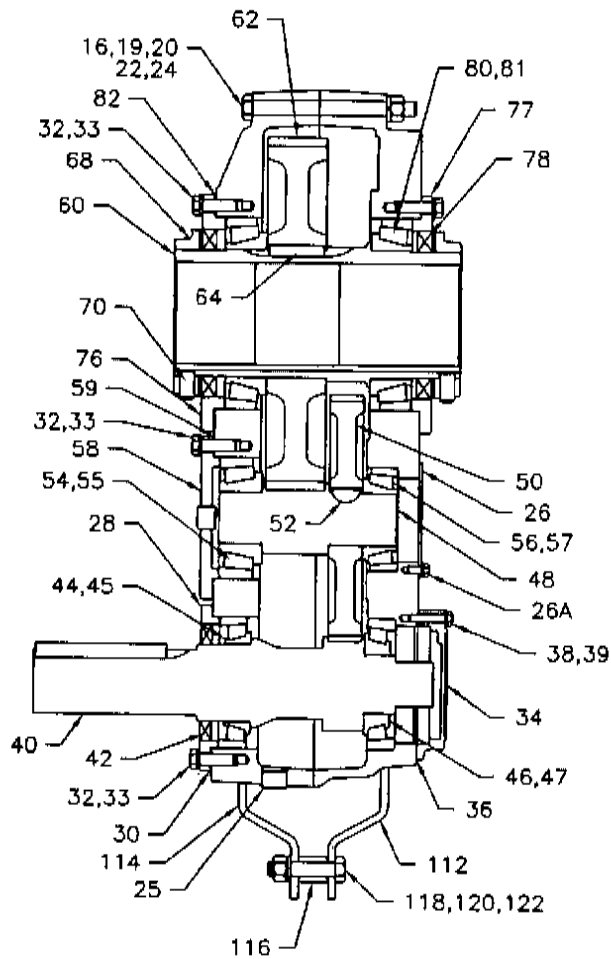
Ref.	Name of Part	No. Req'd	TXT605	TXT705
66	Bushing Assembly ★ ■ 2-3/16" Bore 2-1/4" Bore 2-7/16" Bore 2-1/2" Bore 2-11/16" Bore 2-13/16" Bore 2-7/8" Bore 2-15/16" Bore 3" Bore 3-3/16" Bore 3-7/16" Bore 3-15/16" Bore	1 1 1 1 1 1 1 1 1 1 1 1 1	246261 246262 246263 246264 246265 -- 246266 246267 246283 -- 246268 --	-- -- 272125 272149 272147 272130 272131 272132 272133 272134 272135 272136
67	△ Bushing Screw ■	6	411435	411456
68	△ Lock Washer ■	6	419012	419013
69	2-3/16" Bore 2-1/4" Bore Key, △ 2-7/16" Bore Bushing 2-1/2" Bore to 2-11/16" Bore Shaft 2-13/16" Bore 2-7/8" Bore 2-15/16" Bore 3" Bore 3-3/16" Bore 3-7/16" Bore 3-15/16" Bore	1 1 1 1 1 1 1 1 1 1 1 1 1	443211 443211 443214 443214 443238 -- 443236 443237 443252 -- 443213 --	-- -- 443248 443248 443248 443199 443199 443199 443216 443235 443217 443218
§	Key, △ 1-15/16"- Bushing 2-1/2" Bore to 2-7/16"- Output 3" Bore	1 1 1	443212 -- --	-- 443198
70	Torque-Arm Assembly ★	1	246097	247098
72	△ Rod End	1	245245	247239
74	△ Hex Nut	1	407097	407099
76	△ Turnbuckle	1	245246	247246
78	△ Extension	1	245247	247240
80	△ LH Hex Nut	1	407246	407248
82	△ Fulcrum	1	247248	247248
84	△ Fulcrum Screw	1	411489	411489
86	△ Lock Washer	1	419014	419014
86	△ Hex Nut	1	407093	407093
88	Adapter Assembly ★	1	259159	259157
89	△ RH Adapter Plate	1	--	247242
90	△ LH Adapter Plate	1	--	247241
92	△ Adapter Plate Ass'y	1	256096	--
94	△ Adapter Bushing	1	245243	247244
96	△ Adapter Bolt	1	411460	411488
98	△ Lock Washer	1	419013	419014
98	△ Hex Nut	1	407091	407093

236352

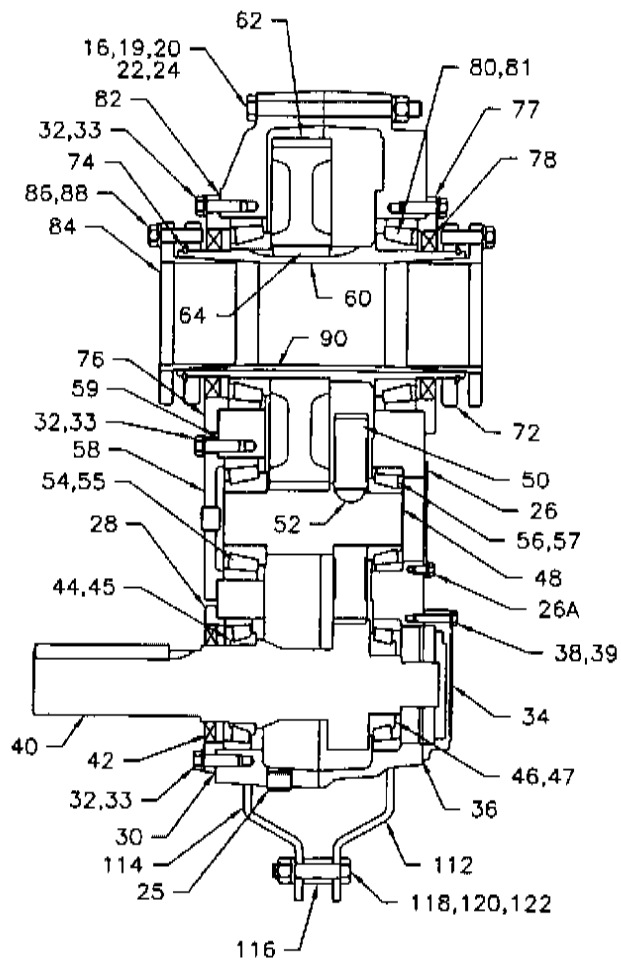
- ★ Includes parts listed immediately below marked Housing assembly includes a two-piece housing. Bushing assembly includes 2 bushings.
 △ Makes up assembly under which it is listed.
 § Not shown on drawing.
 ♡ Included in Seal Kit.

- ‡ See last paragraph under "Ordering Parts".
 □ Straight Bore only.
 ■ Taper Bushed only.
 + 18 req'd on TXT605; 22 req'd on TXT705.
 * Recommended spare parts.

Parts for TXT / HXT 6 & 7 Straight Bore and Taper Bushed Speed Reducers

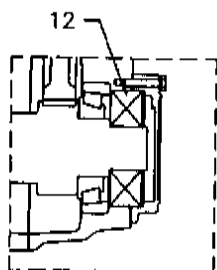


STRAIGHT BORE

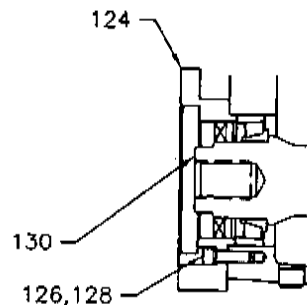


TAPER BUSHED

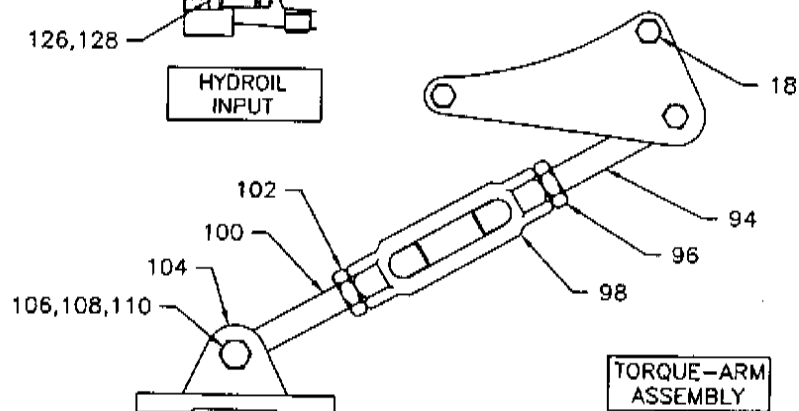
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BACKSTOP ASSEMBLY



HYDROL INPUT



TORQUE-ARM ASSEMBLY

Ref.	Name of Part	No. Req'd	TXT6 HXT6	TXT7 HXT7
12	Backstop Assembly	1	246092	247260
	Housing ★	1	246170	247180
14	▲ LH Housing	1	--	--
15	▲ RH Housing	1	--	--
§	Air Vent	1	245237	390061
16	Housing Bolt	6	411466	411498
18	Adapter Housing Bolt	2	411468	411499
19	Washer	2	419096	419082
20	Lock Washer	8	419013	419016
22	Hex Nut	8	407091	407095
24	Dowel Pin	2	420112	420128
§	Pipe Plug	2	430033	430035
25	Magnetic Plug	1	430062	430064
26	C'shaft Bearing Cover (Backstop Side)	1	246015	247011
26A	C'shaft Cover Screws	6	411394	411394
	C'shaft Cover Washers	6	419009	419009
28	Input Shaft Seal Carrier	1	246184	247320
30*	Imp Shft Brg Shim Pack	2	391164	390420
32	Carrier/Cover Screws	+	411408	411433
33	Lock Washer	+	419011	419012
34	Backstop Cover	1	246221	247221
38	Backstop Cover Screw	6	411404	411402
39	Lock Washer	6	419009	419009
40*	Input Shaft 9:1 Ratio with Pinion 15:1 Ratio	1	246481	247479
	25:1 Ratio	1	246290	247370
	25:1 Ratio	1	246291	247371
41	Input Shaft Key §	1	443113	443127
44*	Input Shaft Brg Cone	1	402196	402150
45*	(Input Side) Cup	1	403091	403106
46*	Input Shaft Brg Cone	1	402197	402088
47*	(Backstop Side) Cup	1	403091	403047
	Countershaft 9:1 Ratio Assembly ★ 15:1 Ratio	1	392140	392141
	25:1 Ratio	1	391171	391196
48	▲ C'shaft with Pinion	1	391186	391197
50*	▲ First 9:1 Ratio	1	246294	247002
	Reduction 15:1 Ratio	1	246482	247478
	Gear 25:1 Ratio	1	246292	247008
52*	▲ Key	1	246293	247005
		1	245218	247218
54*	Countershaft Brg Cone	1	402054	402256
55*	(Input Side) Cup	1	403159	403053
56*	Countershaft Brg Cone	1	402052	402256
57*	(Backstop Side) Cup	1	403142	403053
58	C'shaft Brg Cover (Input Shaft)	1	246185	247194
59*	C'shaft Brg Shim Pack	2‡	391165	390429
	Output Hub Straight	1	390988	390990
	Assembly ★ Tapered	1	390935	390941
60*	▲ Output Hub Straight	1	246338	247338
	Tapered	1	246269	272137
62*	▲ Output Gear	1	246295	247215
64*	▲ Output Gear Key	2	245217	245217
68	Output Hub Collar □	2	246309	247309
70	Collar Screw □	4	400154	400190
72	Bushing Backup Plate ■	2	246270	272138
74	Retaining Ring ■	2	421055	421099
76	Output Hub Seal Carrier (Input Side)	1	246187	247315
77	Output Hub Seal Carrier (Backstop Side)	1	246186	247315
80*	Output Hub Cone	2	402050	402058
81*	Bearing Cup	2	403140	403111

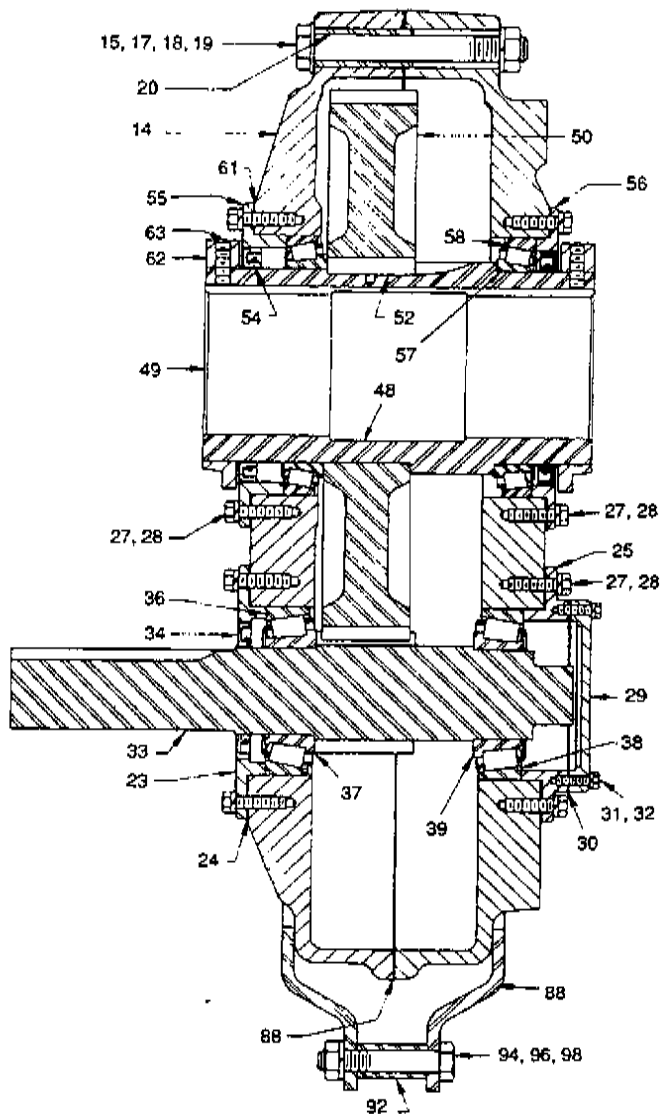
- ★ Includes parts listed immediately below marked
Bushing assembly includes 2 bushings.
▲ Makes up assembly under which it is listed.
§ Not shown on drawing.

Ref.	Name of Part	No. Req'd	TXT6 HXT6	TXT7 HXT7
82*	Output Hub Bearing Shim Pack	2‡	391187	390444
	Seal Kit ★	1	246340	247345
36*	▲ Backstop Cvr Gasket	1	246220	246220
42*	▲ Input Shaft Seal	1	242210	242210
78*	▲ Output Hub Seal	2	246310	247310
§	RTV Sealant, Tube	1	465044	465044
	Bushing Assembly ★			
	2-3/16" Bore	1	246261	--
	2-1/4" Bore	1	246262	--
	2-7/16" Bore	1	246263	272125
	2-1/2" Bore	1	246264	272149
	2-11/16" Bore	1	246265	272147
	2-13/16" Bore	1	--	272130
	2-7/8" Bore	1	246266	272131
	2-15/16" Bore	1	246267	272132
	3" Bore	1	246283	272133
	3-3/16" Bore	1	--	272134
	3-7/16" Bore	1	246268	272135
	3-15/16" Bore	1	--	272136
86	▲ Bushing Screw	6	411435	411456
88	▲ Lock Washer	6	419012	419013
	2-3/16" Bore	1	443211	--
	2-1/4" Bore	1	443211	--
	Key, ▲ 2-7/16" Bore	1	443214	443248
	Bushing 2-1/2" Bore	1	443214	443248
	to 2-11/16" Bore	1	443238	443248
	Shaft 2-13/16" Bore	1	--	443199
	2-7/8" Bore	1	443236	443199
	2-15/16" Bore	1	443237	443199
	3" Bore	1	443252	443216
	3-3/16" Bore	1	--	443235
	3-7/16" Bore	1	443213	443217
	3-15/16" Bore	1	--	443218
§	Key, ▲ 2-3/16" Bore	1	443212	--
	Bushing 2-1/2" Bore	1	--	--
	to 2-7/16" Bore	1	--	--
	Output 3" Bore	1	--	443198
	Torque-Arm Assembly ★	1	246097	247098
94	▲ Rod End	1	245245	247239
96	▲ Hex Nut	1	407097	407099
98	▲ Turnbuckle	1	245246	247246
100	▲ Extension	1	245247	247240
102	▲ LH Hex Nut	1	407246	407248
104	▲ Fulcrum	1	247248	247248
106	▲ Fulcrum Screw	1	411489	411489
108	▲ Lock Washer	1	419014	419014
110	▲ Hex Nut	1	407093	407093
	Adapter Assembly ★	1	259156	259157
112	▲ RH Adapter Plate	1	246242	247242
114	▲ LH Adapter Plate	1	246241	247241
116	▲ Adapter Bushing	1	245243	247244
118	▲ Adapter Bolt	1	411460	411489
120	▲ Lock Washer	1	419013	419014
122	▲ Hex Nut	1	407091	407093
124	Motor Adapter	1	246465	247464
126	Adapter Screw	6	417108	417141
128	Lock Washer	6	419013	419014
130*	Input Shaft 15:1 Ratio with Pinion 25:1 Ratio	1	246230	247463
		1	246286	247462

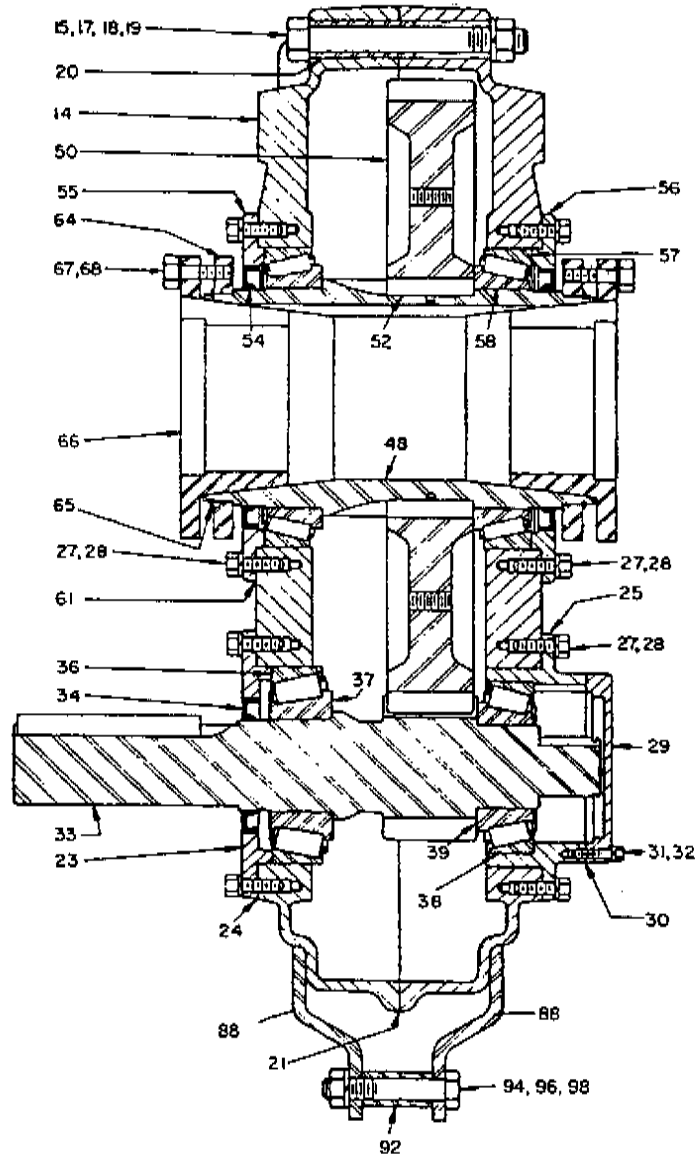
- ‡ See last paragraph under "Ordering Parts".
□ Straight Bore only.
■ Taper Bushed only.
+ 24 req'd on TXT6; 28 req'd on TXT7.
- Recommended spare parts.

PARTS FOR TXT805 AND TXT905 STRAIGHT BORE SPEED REDUCERS

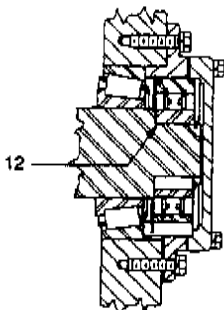
NOTE: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.



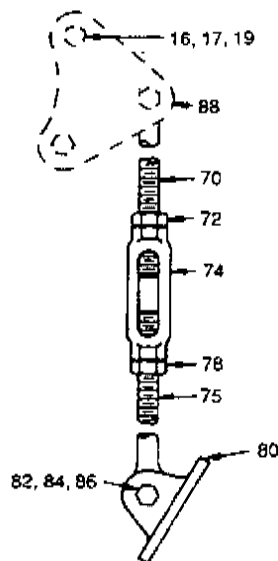
**TXT805
Straight Bore**



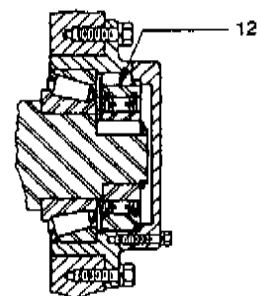
**TXT905
Taper Bushed**



**TXT805
Backstop Assembly**



**TORQUE-ARM
Assembly**



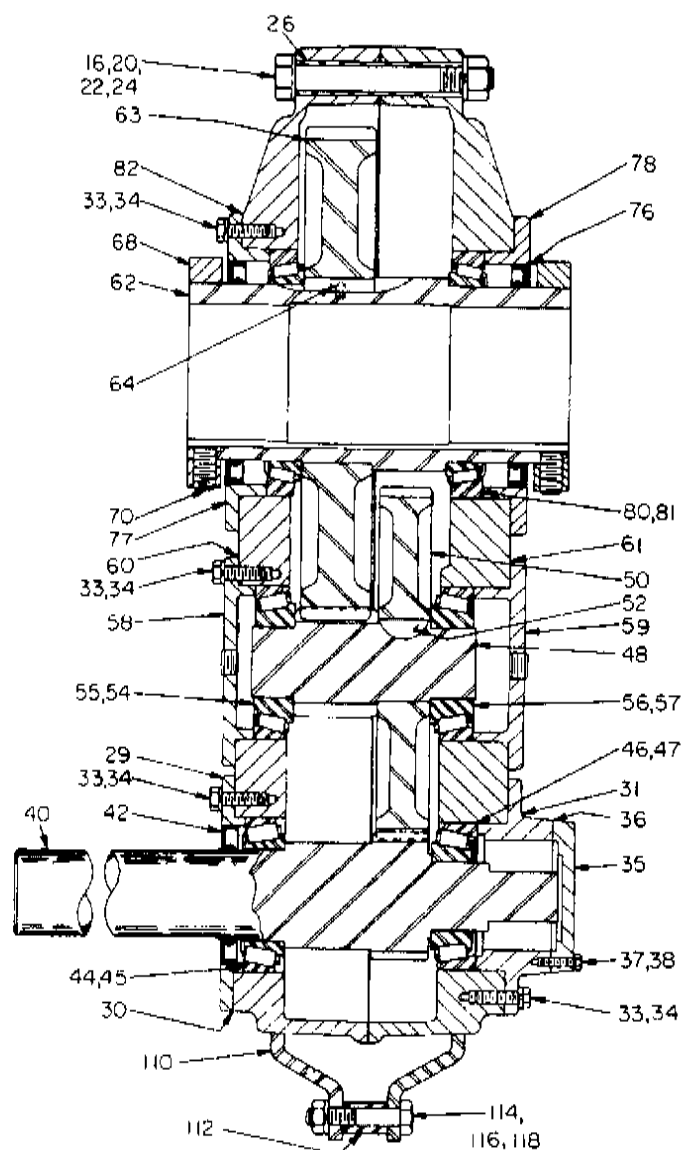
**TXT905
Backstop Assembly**

Reference	Name of Part	No. Req'd.	TXT805 Part No.	TXT905 Part No.	Reference	Name of Part	No. Req'd.	TXT805 Part No.	TXT905 Part No.
12	Backstop Assembly	1	250260	272259	61*	Output Hub Bearing Shim Pack	♥ Set†	390048	390171
14	HOUSING	1	248174	249174		.002" Thick	†	.....	.....
1	Air Vent with Bushing	1	390061	390061		.005" Thick	†	.....	.....
15	Housing Bolt	9	411499	411499		.010" Thick	†	.....	.....
16	Adapter — Housing Bolt	2	411502	411502		.025" Thick	†	.....	.....
17	Lockwasher	11	419016	419016	62	Output Hub Collar ♦	2	248209	249209
18	Plain Washer	2	419082	419082	63	Collar Screw ♦	4	400190	400194
					64	Bushing Back-up Plate ■	2	272037	272082
19	Hex Nut	8	407095	407095	65	Retaining Ring ■	+	421098	421097
20	Dowel Pin	2	420128	420128					
1	Pipe Plug	+	430035	430035					
1	Magnetic Plug	1	430064	430064					
23	Input Shaft Seal Carrier	1	258034	249211	66	BUSHING ASSEMBLY*			
24*	Input Shaft Shim Pack	♥ ‡	390038	390168		2 15/16" Bore	1	272048	.....
	.002" Thick	†	427579	427580		3 3/16" Bore	1	272045	.....
	.005" Thick	†	427595	427591		3 7/16" Bore	1	272032	272056
	.010" Thick	†	427602	427601		3 5/16" Bore	1	272033	272077
	.025" Thick	†	427621	427619		4 3/16" Bore	1	272034	272078
						4 7/16" Bore	1	272035	272079
						4 5/16" Bore	1	.....	272080
25	Backstop Carrier	1	258036	258035	67	*Bushing Screw	6	411457	411484
27	Carrier Screw	32	411408	411408	68	*Lockwasher	6	419013	419014
28	Lockwasher	32	419011	419011					
29	Backstop Cover	1	248221	259037	1	*Key Bushing to Shaft			
31	Backstop Cover Screw	6	411402	411402		2 15/16" Bore	1	443247	.....
32	Lockwasher	6	419009	419009		3 3/16" Bore	1	443247	.....
						3 7/16" Bore	1	443171	443249
33*	Input Shaft with Pinion	1	258033	259034		3 5/16" Bore	1	443173	272119
1*	Input Shaft Key	1	443133	443133		4 3/16" Bore	1	443174	272108
	Input Shaft Brg. — Input Side					4 7/16" Bore	1	443196	272086
36*	Cup	1	403051	403080	1	*Key, Bushing to Output Hub ‡	1	.....	443161
37*	Cone	1	402199	402114					
	Input Shaft Brg. — Backstop Side				70	TORQUE-ARM ASSEMBLY*	1	390129	390129
38*	Cup	1	403051	402231		*Rod End	1	271050	271050
39*	Cone	1	402198	402232	72	*Hex Nut	1	407104	407104
					74	*Turnbuckle	1	271051	271051
					76	*Extension	1	271052	271052
	OUTPUT HUB ASSEMBLY*				78	*L.H. Hex Nut	1	407250	407250
48*	Taper Bushed	1	390944	390949	80	*Fulcrum	1	271054	271054
	Straight Bore	1	390993	390159	82	*Fulcrum Bolt	1	411516	411516
49*	*Output Hub — Taper Bushed	1	272036	249140	84	*Lockwasher	1	419020	419020
50*	*Output Hub — Straight Bore	1	248332	250090	86	*Hex Nut	1	407099	407099
52*	*Output Gear	1	248215	021764					
	Output Key & Roll Pin	2	390112	390112		ADAPTER ASSEMBLY	1	.....	.....
					88	*Adapter Plate	2	272053	249241
55	Output Hub Seal Carrier				92	*Adapter Bushing	1	271046	271046
	Input Side	1	258021	249221	94	*Adapter Bolt	1	411510	411510
	Backstop Side	1	258020	249220	96	*Lockwasher	1	419020	419020
	Output Hub Bearing				98	*Hex Nut	1	407099	407099
57*	Cone	2	402147	402160					
58*	Cup	2	403105	403110		SEAL KIT*	1	248340	272708
					30	*Backstop Cover Gasket	1	248220	259038
					34	*Input Shaft Seal	1	248211	248211
					54	*Output Hub Seal	2	258019	249210
					21	1 RTV Sealant, Tube	1	465044	465044

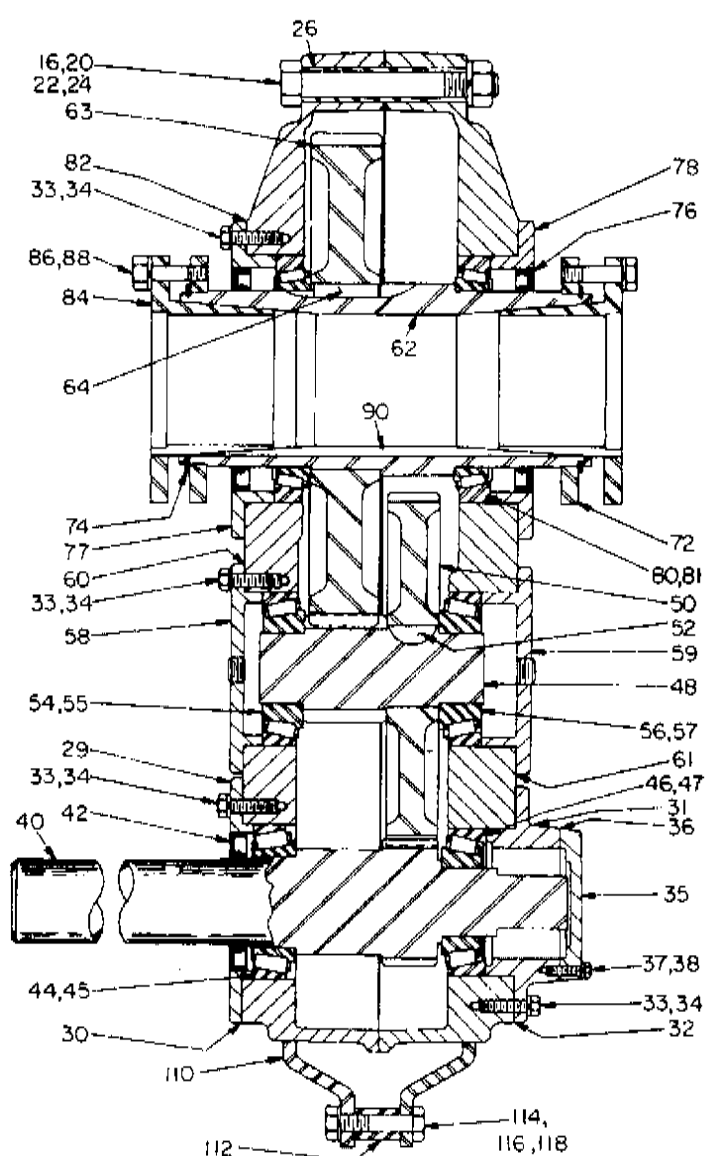
★ Includes parts listed immediately below marked "A." Housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.
 ▲ Parts Marked "A" make up the assemblies under which they are listed.
 ‡ Not shown on drawing.
 ♥ 1 set required for TXT805; 2 sets required for TXT 905.
 ♥ 2 sets required for TXT805; 1 set required for TXT 905.

‡ One set consists of one each of the shims listed immediately below marked "†".
 † See last paragraph under "ORDERING PARTS."
 ♦ Straight bore only.
 ■ Taper bushed only.
 + 2 required on size TXT805; 4 required on size TXT905.
 ‡ For 2 15/16" & 3 7/16" bores on TXT805; and 3 7/16" & 4 3/16" on TXT905.

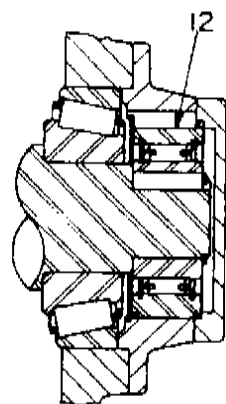
PARTS FOR TXT8 thru TXT10 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



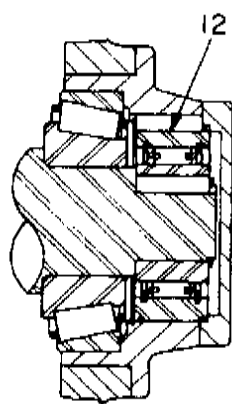
Straight Bore



Taper Bushed

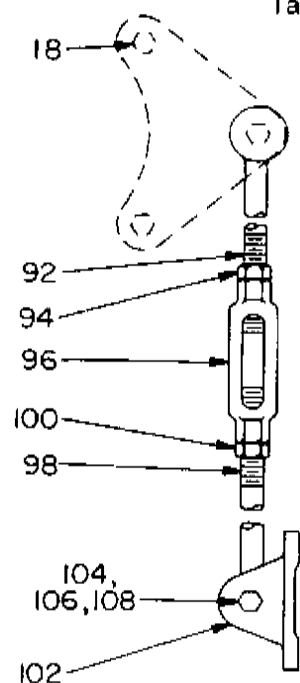


TXT 8 & TXT10



TXT9

Backstop Assembly



Note: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.

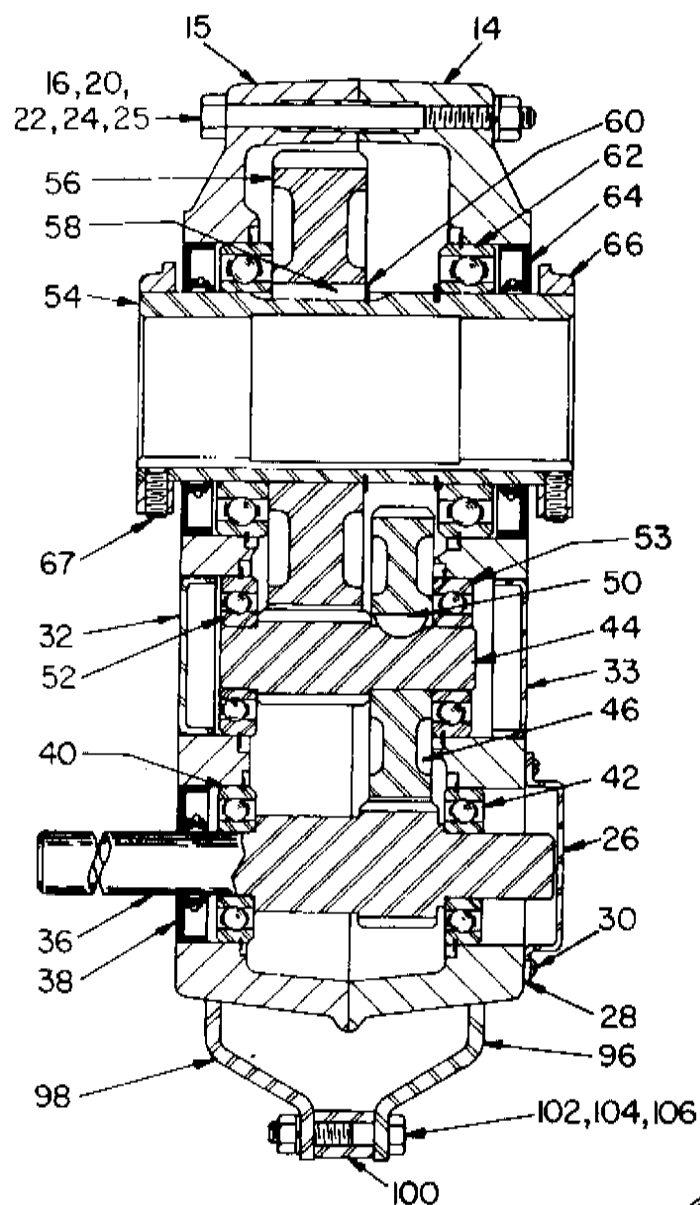
248180 249180 390168

Reference	Name of Part	No. Req'd.	TXT8 Part No.	TXT9 Part No.	TXT10 Part No.	Reference	Name of Part	No. Req'd.	TXT8 Part No.	TXT9 Part No.	TXT10 Part No.
12	Backstop Assembly	1	249260	249260	250260		OUTPUT HUB ASSEMBLY★				
	HOUSING	1	248168	249168	250174		Straight Bore	1	390993	390159	390160
	Air Vent with Bushing	1	390061	390061	390061		Taper Bushed	1	390944	390949	390954
16	Housing Bolt	Δ	411499	411500	411502	62*	▲Output Hub—				
18	Housing Bolt—Adapter	2	411502	411502	411506		Straight Bore	1	248332	250090	250008
20	Lockwasher	□	419016	419016	419016		Taper Bushed	1	272036	249140	272241
22	Plain Washer	2	419052	419052	419052	63*	▲Output Gear	1	248215	021704	250007
						64*	▲Output Gear Key & Roll Pin			764	
24	Hex Nut	□	407095	407095	407095		Max Bore Key	2	390112	390112	390113
26	Dowel Pin	2	420128	420128	420132			1	246258	249255	250270
	Pipe Plug	+	430035	430035	430035	68	Output Hub Collar◆	2	248209	249209	250009
	Magnetic Plug	1	430064	430064	430064		Collar Screw◆	4	400190	400194	400194
29	Input Shaft Seal Carrier	1	258023	249211	249211	70	Bushing Back-up Plate■	2	272037	272082	272242
30*	Input Shaft Bearing Shim Pack	2 Sets ‡	390038	390168	390168	72	Retaining Ring■	2	421098	421097	421069
31	Backstop Carrier	1	258022	249222	250022	74					
32	Backstop Carrier Gasket	1	.....	248216	248216	77	Output Hub Seal Carrier—				
33	Carrier and Cover Screws	48	411408	411408	411408		Input Side	1	258021	249221	250011
34	Lockwasher	48	419011	419011	419011	78	Backstop Side	1	258020	249220	250011
35	Backstop Cover	1	248010	249015	250012	80*	Output Hub Bearing				
37	Backstop Cover Screw	6	411402	411402	411402		Cone	2	402147	402160	402168
38	Lockwasher	6	419009	419009	419009	81*	Cup	2	403105	403110	403116
40*	Input Shaft 15:1 Ratio	1	248370	272074	250300	82*	Output Hub Shim Pack	2 Sets †	390048	390171	390172
	with Pinion § Ratio	1	248371	272106	250004						
	Input Shaft Key	1	443133	443123	443123	36*	SEAL KIT★	1	248340	249340	272460
	Input Shaft Bearing—					42*	▲Backstop Cover Gasket	1	246220	248220	248220
44*	Input Side						▲Input Shaft Seal	1	248211	248211	248211
45*	Cone	1	402098	402114	402114	76*	▲Output Hub Seal	2	258019	249210	250010
	Cup	1	403072	403080	403080		RTV Sealant, Tube	1	465044	465044	465044
46*	Input Shaft Bearing—										
47*	Backstop Side					84	BUSHING ASSEMBLY★■				
	Cone	1	402097	402107	402112		2 1/16" Bore	1	272048	.....	.....
	Cup	1	403072	403076	403080		3 3/16" Bore	1	272045	.....	.....
							3 7/16" Bore	1	272032	272056	.....
							3 15/16" Bore	1	272033	272077	272214
							4 3/16" Bore	1	272034	272078	272237
							4 7/16" Bore	1	272035	272079	272238
							4 15/16" Bore	1	.....	272080	272239
							5 7/16" Bore	1	.....	.....	272240
48	COUNTERSHAFT 15:1 Ratio	1	391184	390124	390983	86	▲Bushing Screw	6	411457	411484	411484
50*	ASSEMBLY★ § Ratio	1	391185	390139	390998	88	▲Lockwasher	6	419013	419014	419014
	▲Countershaft with Pinion	1	248002	249006	272249						
	▲First Reduction 15:1 Ratio	1	248213	249008	250301						
52*	▲Gear § Ratio	1	248214	249005	250005						
	▲Key	2	248218	248218	248218						
54*	Countershaft Bearing—					90	▲Key, Bushing to Shaft				
55*	Input Side						2 1/16" Bore	1	443247	.....	.....
	Cone	1	402057	402109	402232		3 3/16" Bore	1	443247	.....	.....
	Cup	1	403143	403078	402231		3 7/16" Bore	1	443171	443249	.....
	Countershaft Bearing—						3 15/16" Bore	1	443173	272119	443192
56*	Backstop Side						4 3/16" Bore	1	443174	272108	443192
57*	Cone	1	402148	402109	402232		4 7/16" Bore	1	443196	272066	443193
	Cup	1	403106	403078	402231		4 15/16" Bore	1	.....	443181	443194
							5 7/16" Bore	1	.....	.....	443195
58	Countershaft Bearing Cover—										
59	Input Side	1	248223	249225	272251	92	TORQUE-ARM ASSEMBLY★	1	390129	390129	390129
	Countershaft Bearing Cover—					94	▲Rod End	1	271050	271050	271050
	Backstop Side	1	248373	249224	250245	96	▲Hex Nut	1	407104	407104	407104
60*	Countershaft Bearing Shim Pack—					98	▲Tumbuckle	1	271051	271051	271051
	Input Side	♥ Sets ‡	391182	390168	390575		▲Extension	1	271052	271052	271052
61*	Countershaft Bearing Shim Pack—					100	▲L.H. Hex Nut	1	407250	407250	407250
	Backstop Side	♥ Sets ‡	390419	390168	390575	102	▲Fulcrum	1	271054	271054	271054
						104	▲Fulcrum Screw	1	411516	411516	411516
						106	▲Lockwasher	1	419020	419020	419020
						108	▲Hex Nut	1	407099	407099	407099
							ADAPTER ASSEMBLY★	1	248110	249110	250110
						110	▲Adapter Plate	2	272053	249241	250041
						112	▲Adapter Bushing	1	271046	271046	271046
						114	▲Adapter Bolt	1	411510	411512	411512
						116	▲Lockwasher	1	419020	419020	419020
						118	▲Hex Nut	1	407099	407099	407099

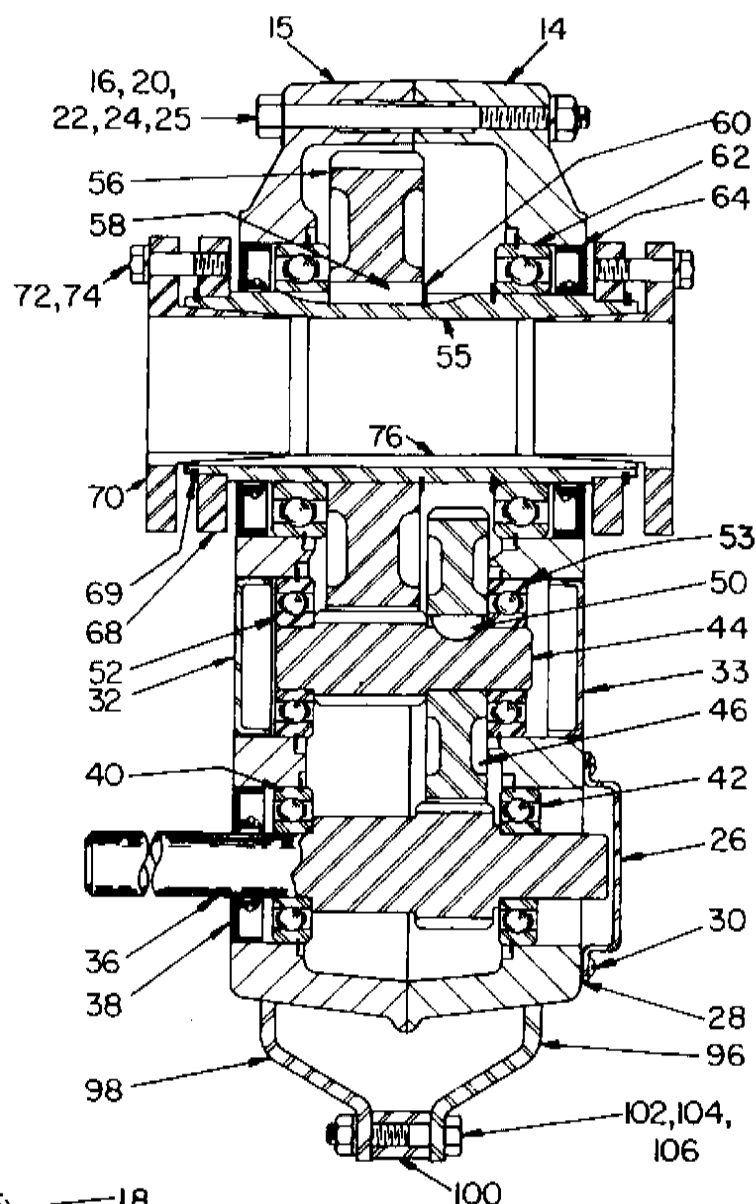
★ Includes parts listed immediately below marked "▲." Housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.
 ▲ Parts Marked "▲" make up the assemblies under which they are listed.
 † Not shown on drawing.
 § Ratios are 24:1 on TXT10; 25:1 on TXT8; 26:1 on TXT9.
 Δ 9 required for sizes TXT8 & TXT9; 11 required for size TXT10.
 □ 11 required for sizes TXT8 & TXT9; 13 required for TXT10.
 + 3 required for size TXT8; 2 required for size TXT9; 4 required for size TXT10.
 ♥ Recommended spare parts.

♥ 2 sets required for size TXT8; 1 set required for sizes TXT9 & TXT10.
 ‡ One set consists of one each of the shims listed immediately below marked "†."
 † See last paragraph under "ORDERING PARTS."
 ◆ Straight bore only.
 ■ Taper bushed only.
 ‡ Size TXT8 for 2 1/16" thru 3 7/16" bores only; size TXT9 for 3 7/16" thru 4 3/16" bores only; size TXT10 for 3 15/16" thru 4 7/16" bores only.

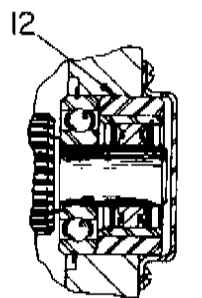
PARTS FOR TDT1 thru TDT5 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



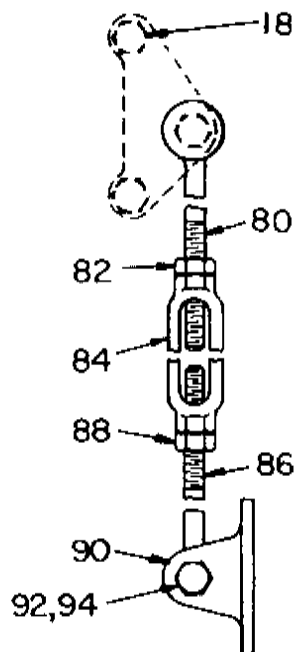
Straight Bore



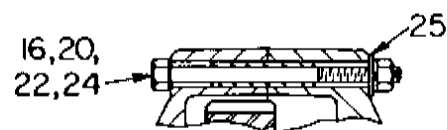
Taper - Bushed



Backstop Assembly



Torque-Arm Assembly

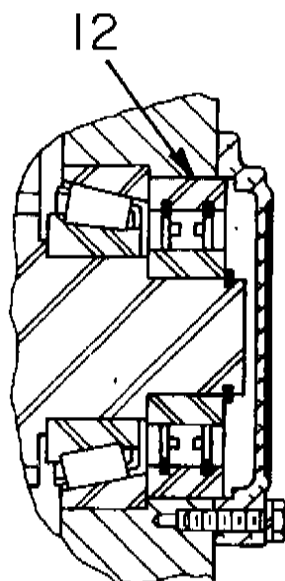
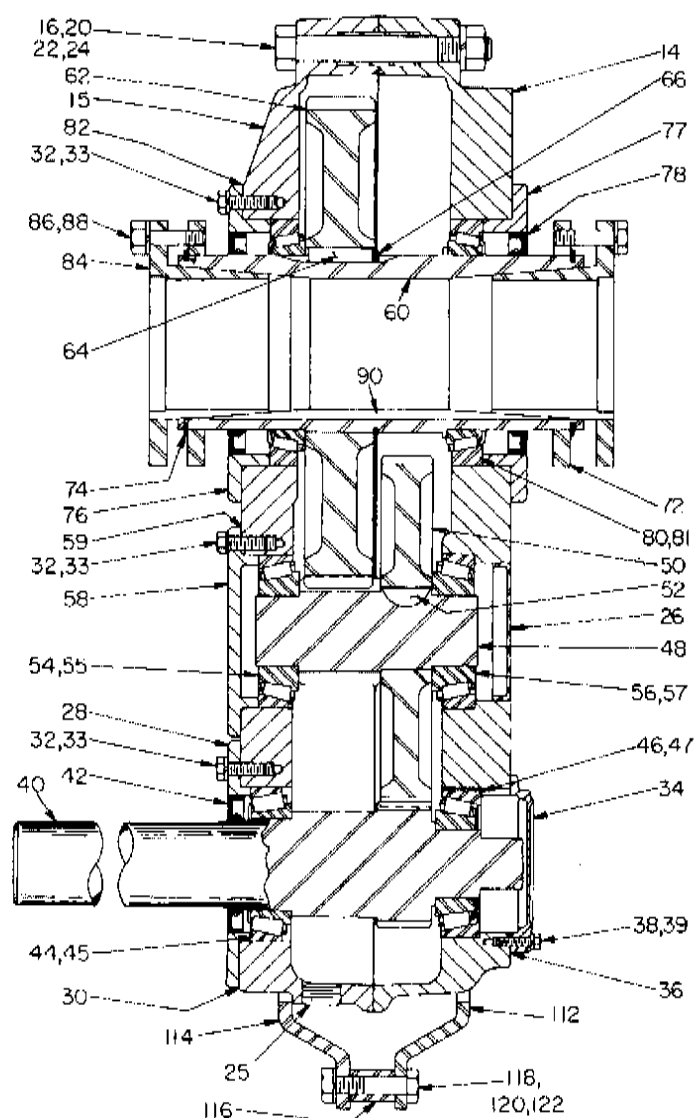
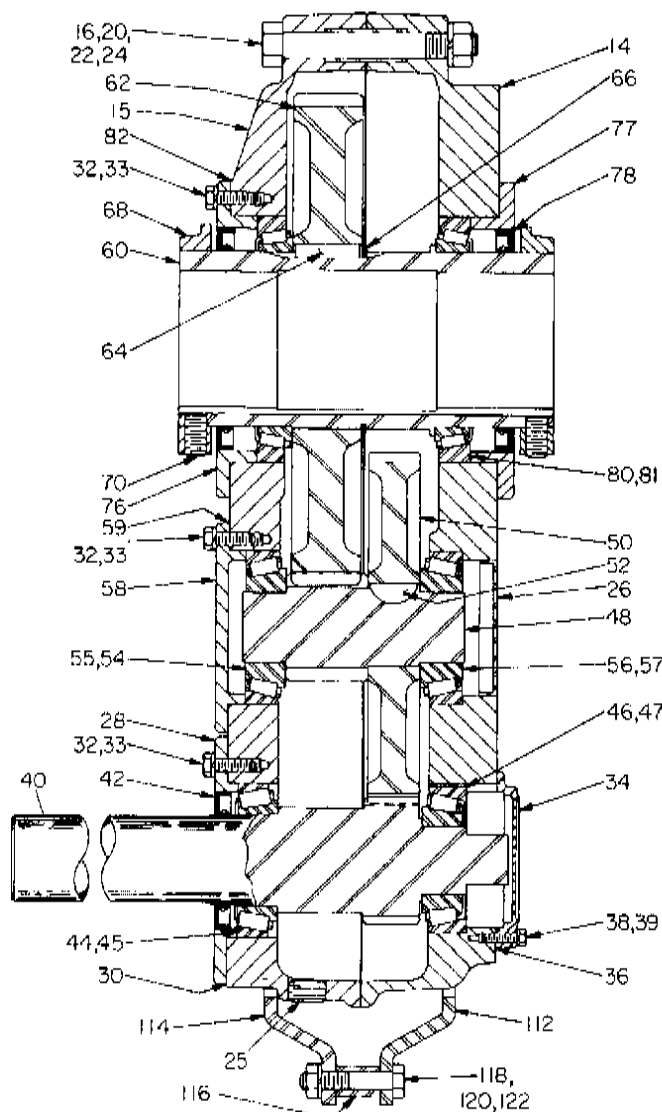


TDT1 and TDT5 Housing
Assemblies Only

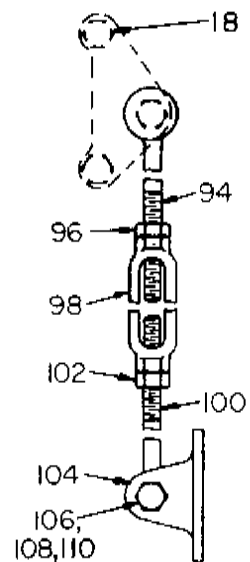
Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Refer- ence	Name of Part	No. Req'd.	TDT1 Part No.	TDT2 Part No.	TDT3 Part No.	TDT4 Part No.	TDT5 Part No.
12	Backstop Assembly	1	241101	242101	243101	244092	245101
14	Right Housing Half	1	241258	242070	243070	244070	245188
15	Left Housing Half	1	241258	242071	243071	244071	245188
16	Air Vent	1	241237	241237	241237	241237	245237
18	Housing Bolt Adaptor — Housing Bolt	2	411418	411418	411440	411442	411464
20	Lockwasher	2	419011	419011	419012	419012	419013
22	Hex Nut	2	407087	407087	407089	407089	407091
24	Dowel Pin	2	420089	420089	420103	420103	420110
26	Pipe Plug	2	430031	430031	430031	430031	430033
28	Magnetic Plug	1	430060	430060	430060	430060	430062
25	Washer	2	419092	419092	419092	419092	419094
26	Backstop Cover	1	241221	242221	243221	243221	245221
28	Backstop Cover Gasket	1	241220	242220	243220	243220	245220
30	Backstop Cover Screw	4	415022	415022	415022	415022	416532
32	Lockwasher	4	419007	419007	419007	419007	419007
32	C' Shaft Brg. Cover (Input)	1	262221	242224	243224	244223	355060
33	C' Shaft Brg. Cover (Backstop)	1	262221	242224	243224	244223	355060
34	C' Shaft Brg. Cover Gasket	1	415022	415022	415022	415022	416532
35	C' Shaft Brg. Cover Screw	4	419007	419007	419007	419007	419007
36*	Input Shaft 15:1 Ratio with Pinion 25:1 Ratio	1	241268	242174	243009	244009	245009
40*	Input Shaft Brg. (Input)	1	241269	242175	243004	244004	245004
42*	Input Shaft Brg. (Backstop)	1	424011	424011	424011	424011	424013
44	Input Shaft Key	1	443008	443014	443032	443082	443113
44	COUNTER- SHAFT (15:1 Ratio ASSEMBLY * / 25:1 Ratio ▲ Countershaft with Pinion	1	390180	390786	390729	390068	390080
46*	▲ First Reduction (15:1 Ratio Gear (25:1 Ratio	1	390231	390787	390730	390069	390090
50*	▲ Gear Key	1	241264	242173	243002	244002	245002
52*	Countershaft Brg. & (Input)	1	241262	242008	243214	244214	245214
53*	Countershaft Brg. (Backstop)	1	241263	242005	243212	244212	245212
54*	Output Hub Bearing	1	241309	242218	243215	244215	245215
55*	Output Hub (Str. Bore)	1	391755	424006	424000	424023	424010
56*	Output Hub (Taper Bush.)	1	391755	424006	424000	424023	424010
57*	Output Gear	1	391755	424006	424000	424023	424010
58*	Output Gear Key	1	391755	424006	424000	424023	424010
60*	Output Hub Snap Ring	2	421013	421017	421021	421025	421030
62*	Output Hub Key (Max. bore)	1	443037	443068	443069	443102	443115
64	Output Hub Key (Max. bore)	1	443037	443068	443069	443102	443115
66	Output Hub Collar	2	241209	242209	243209	244209	245209
67	Collar Screw	4	400062	400094	400098	400150	400154
68	Bushing Back-up Plate	2	241266	242137	243308	244099	245114
69	Retaining Ring	2	421111	421112	421109	421108	421107
70	SEAL KIT *	1	241340	242340	243340	244340	245340
71	▲ Backstop Cover Gasket	1	241220	242220	243220	244220	245220
72	▲ Input Shaft Seal	1	241203	242203	243203	244203	245203
73	▲ Output Hub Seal	2	241202	242202	243202	244202	245202
74	▲ Housing Gasket *	1	241219	242219	243219	244219	245219
75	▲ Gasket Eliminator Tube	1	465044	465044	465044	465044	465044
76	3/4" Bore	1	241272	242142	243142	244142	245142
77	3/8" Bore	1	241274	242144	243144	244144	245144
78	1/2" Bore	1	241276	242146	243146	244146	245146
79	1" Bore	1	241278	242148	243148	244148	245148
80	1 1/2" Bore	1	241280	242150	243150	244150	245150
81	2" Bore	1	241282	242152	243152	244152	245152
82	2 1/2" Bore	1	241284	242154	243154	244154	245154
83	3" Bore	1	241286	242156	243156	244156	245156
84	3 1/2" Bore	1	241288	242158	243158	244158	245158
85	4" Bore	1	241290	242160	243160	244160	245160
86	4 1/2" Bore	1	241292	242162	243162	244162	245162
87	5" Bore	1	241294	242164	243164	244164	245164
88	5 1/2" Bore	1	241296	242166	243166	244166	245166
89	6" Bore	1	241298	242168	243168	244168	245168
90	6 1/2" Bore	1	241300	242170	243170	244170	245170
91	7" Bore	1	241302	242172	243172	244172	245172
92	7 1/2" Bore	1	241304	242174	243174	244174	245174
93	8" Bore	1	241306	242176	243176	244176	245176
94	8 1/2" Bore	1	241308	242178	243178	244178	245178
95	9" Bore	1	241310	242180	243180	244180	245180
96	9 1/2" Bore	1	241312	242182	243182	244182	245182
97	10" Bore	1	241314	242184	243184	244184	245184
98	10 1/2" Bore	1	241316	242186	243186	244186	245186
99	11" Bore	1	241318	242188	243188	244188	245188
100	11 1/2" Bore	1	241320	242190	243190	244190	245190
101	12" Bore	1	241322	242192	243192	244192	245192
102	12 1/2" Bore	1	241324	242194	243194	244194	245194
103	13" Bore	1	241326	242196	243196	244196	245196
104	13 1/2" Bore	1	241328	242198	243198	244198	245198
105	14" Bore	1	241330	242200	243200	244200	245200
106	14 1/2" Bore	1	241332	242202	243202	244202	245202
107	15" Bore	1	241334	242204	243204	244204	245204
108	15 1/2" Bore	1	241336	242206	243206	244206	245206
109	16" Bore	1	241338	242208	243208	244208	245208
110	16 1/2" Bore	1	241340	242210	243210	244210	245210
111	17" Bore	1	241342	242212	243212	244212	245212
112	17 1/2" Bore	1	241344	242214	243214	244214	245214
113	18" Bore	1	241346	242216	243216	244216	245216
114	18 1/2" Bore	1	241348	242218	243218	244218	245218
115	19" Bore	1	241350	242220	243220	244220	245220
116	19 1/2" Bore	1	241352	242222	243222	244222	245222
117	20" Bore	1	241354	242224	243224	244224	245224
118	20 1/2" Bore	1	241356	242226	243226	244226	245226
119	21" Bore	1	241358	242228	243228	244228	245228
120	21 1/2" Bore	1	241360	242230	243230	244230	245230
121	22" Bore	1	241362	242232	243232	244232	245232
122	22 1/2" Bore	1	241364	242234	243234	244234	245234
123	23" Bore	1	241366	242236	243236	244236	245236
124	23 1/2" Bore	1	241368	242238	243238	244238	245238
125	24" Bore	1	241370	242240	243240	244240	245240
126	24 1/2" Bore	1	241372	242242	243242	244242	245242
127	25" Bore	1	241374	242244	243244	244244	245244
128	25 1/2" Bore	1	241376	242246	243246	244246	245246
129	26" Bore	1	241378	242248	243248	244248	245248
130	26 1/2" Bore	1	241380	242250	243250	244250	245250
131	27" Bore	1	241382	242252	243252	244252	245252
132	27 1/2" Bore	1	241384	242254	243254	244254	245254
133	28" Bore	1	241386	242256	243256	244256	245256
134	28 1/2" Bore	1	241388	242258	243258	244258	245258
135	29" Bore	1	241390	242260	243260	244260	245260
136	29 1/2" Bore	1	241392	242262	243262	244262	245262
137	30" Bore	1	241394	242264	243264	244264	245264
138	30 1/2" Bore	1	241396	242266	243266	244266	245266
139	31" Bore	1	241398	242268	243268	244268	245268
140	31 1/2" Bore	1	241400	242270	243270	244270	245270
141	32" Bore	1	241402	242272	243272	244272	245272
142	32 1/2" Bore	1	241404	242274	243274	244274	245274
143	33" Bore	1	241406	242276	243276	244276	245276
144	33 1/2" Bore	1	241408	242278	243278	244278	245278
145	34" Bore	1	241410	242280	243280	244280	245280
146	34 1/2" Bore	1	241412	242282	243282	244282	245282
147	35" Bore	1	241414	242284	243284	244284	245284
148	35 1/2" Bore	1	241416	242286	243286	244286	245286
149	36" Bore	1	241418	242288	243288	244288	245288
150	36 1/2" Bore	1	241420	242290	243290	244290	245290
151	37" Bore	1	241422	242292	243292	244292	245292
152	37 1/2" Bore	1	241424	242294	243294	244294	245294
153	38" Bore	1	241426	242296	243296	244296	245296
154	38 1/2" Bore	1	241428	242298	243298	244298	245298
155	39" Bore	1	241430	242300	243300	244300	245300
156	39 1/2" Bore	1	241432	242302	243302	244302	245302
157	40" Bore	1	241434	242304	243304	244304	245304
158	40 1/2" Bore	1	241436	242306	243306	244306	245306
159	41" Bore	1	241438	242308	243308	244308	245308
160	41 1/2" Bore	1	241440	242310	243310	244310	245310
161	42" Bore	1	241442	242312	243312	244312	245312
162	42 1/2" Bore	1	241444	242314	243314	244314	245314
163	43" Bore	1	241446	242316	243316	244316	245316
164	43 1/2" Bore	1	241448	242318	243318	244318	245318
165	44" Bore	1	241450	242320	243320	244320	245320
166	44 1/2" Bore	1	241452	242322	243322	244322	245322
167	45" Bore	1	241454	242324	243324	244324	245324
168	45 1/2" Bore	1	241456	242326	243326	244326	245326
169	46" Bore	1	241458	242328	243328	244328	245328
170	46 1/2" Bore	1	241460	242330	243330	244330	245330
171	47" Bore	1	241462	242332	243332	244332	245332
172	47 1/2" Bore	1					

PARTS FOR TDT6 and TDT7 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



Backstop Assembly



Torque-Arm Assembly

Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Reference	Name of Part	No. Req'd.	TD6 Part No.	TD7 Part No.	Reference	Name of Part	No. Req'd.	TD6 Part No.	TD7 Part No.
12	Backstop Assembly	1	246092	247260	82*	Output Hub Bearing Shim Pack	1†	391187	390444
	HOUSING ASSEMBLY*	1	246187	247192		.002" Thick	†	427470	427525
14	R.H. Housing Half	1	.....	247192		.005" Thick	†	427471	427527
15	L.H. Housing Half	1	.....	247193		.010" Thick	†	427472	427528
16	Air Vent	1	245237	390061		.025" Thick	†	427473	427558
18	Housing Bolt	6	411466	411498		SEAL KIT*	1	246340	247345
18	Adapter Housing Bolt	2	411468	411499		▲ Backstop Cover Gasket	1	246220	246270
20	Lockwasher	8	419013	419016	36*	▲ Input Shaft Seal	1	242202	242202
22	Hex Nut	8	407091	407095	42*	▲ Output Hub Seal	2	246302	247302
24	Dowel Pin	2	420112	420128	78*	▲ Housing Gasket	1	246219	247219
24	Pipe Plug	2	430033	430035		▲ RTV Sealant, Tube	1	465044	365044
25	Magnetic Plug	1	430062	430064					
26	Countershaft Brg. Cover (Backstop Side)	1	243195	355060					
28	Input Shaft Seal Carrier	1	246184	247320					
30*	Input Shaft Bearing Shim Pack	1‡	391164	390420	84	BUSHING ASSEMBLY*			
	.002" Thick	†	427478	427578		1 1/8" Bore	1	246259	.....
	.005" Thick	†	427479	427584		2" Bore	1	246260	.....
	.010" Thick	†	427480	427604		2 1/8" Bore	1	246261	.....
	.025" Thick	†	427481	427618		2 1/4" Bore	1	246262	.....
32	Carrier and Cover Screws	◆	411408	411433		2 1/2" Bore	1	246263	272125
33	Lockwasher	◆	419011	419012		2 3/8" Bore	1	246264	272149
34	Backstop Cover	1	246221	247221		2 1/2" Bore	1	246265	272147
38	Backstop Cover Screw	6	411404	411402		2 3/4" Bore	1	.....	272130
39	Lockwasher	6	419009	419009		2 3/8" Bore	1	246266	272131
40*	Input Shaft with Pinion	1	246290	247370		2 3/8" Bore	1	246267	272132
44*	Input Shaft Brg. (Input Side)	1	246291	247371	86	▲ Bushing Screw	6	411435	411456
45*	Input Shaft Brg. (Input Side)	1	390445	390375	88	▲ Lockwasher	6	419012	419013
46*	Input Shaft Brg. (Backstop Side)	1	390687	390333					
47*	Input Shaft Brg. (Backstop Side)	1	390446	390437		1 1/8" Bore	1	443211	.....
		1	390687	390438		2" Bore	1	443211	.....
	COUNTERSHAFT ASSEMBLY*	1	391171	391196		2 1/8" Bore	1	443211	.....
48	▲ Countershaft with Pinion	1	391186	391197	90	▲ Key, Bushing to Shaft		443214	443248
50*	▲ First Reduction Gear	1	246294	247002		2 1/2" Bore	1	443214	443248
	15:1 Ratio	1	246292	247008		2 1/4" Bore	1	443238	443248
52*	▲ Key	1	246293	247005		2 1/8" Bore	1	.....	443199
	25:1 Ratio	1	245218	247218		2 1/2" Bore	1	443236	443199
54*	Countershaft Brg. (Input Side)	1	391910	391960		2 1/8" Bore	1	443237	443199
55*	Countershaft Brg. (Backstop Side)	1	391911	391961		3" Bore	1	443252	443216
56*	Countershaft Brg. (Backstop Side)	1	391912	391960		3 1/8" Bore	1	.....	443235
57*	Countershaft Brg. Cover (Input Side)	1	391913	391961		3 1/8" Bore	1	443213	443217
58	Countershaft Brg. Cover (Input Side)	1	246185	247194	92	▲ Key, Bushing to Output Hub		.....	443218
59*	Countershaft Brg. Shim Pack	1‡	391165	390429		1 1/8" thru 2 1/8" Bore	1	443212	.....
	.002" Thick	†	427474	427690		2 1/8" thru 3" Bore	1	.....	443198
	.005" Thick	†	427475	427691					
	.010" Thick	†	427476	427692					
	.025" Thick	†	427477	427693					
60*	OUTPUT HUB ASSEMBLY*	1	390988	390990	94	TORQUE-ARM ASSEMBLY*	1	246097	247098
	▲ Output Hub	1	390935	390941	96	▲ Rod End	1	245245	247239
62*	▲ Output Gear	1	246338	247338	98	▲ Hex Nut	1	407097	407099
64*	▲ Output Gear Key	2	246269	272137	100	▲ Turnbuckle	1	245246	247246
66*	▲ Output Hub Snap Ring	1	246295	247215		▲ Extension	1	245247	247240
68	Output Hub Collar	2	245217	245217	102	▲ L.H. Hex Nut	1	407246	407248
70	Collar Screw	4	421033	421038	104	▲ Fulcrum	1	247248	247248
72	Bushing Back-up Plate	2	246309	247309	106	▲ Fulcrum Screw	1	411489	411489
74	Retaining Ring	2	400154	400190	108	▲ Lockwasher	1	419014	419014
76	Output Hub Seal Carrier (Input Side)	1	246270	272138	110	▲ Hex Nut	1	407093	407093
77	Output Hub Seal Carrier (Backstop Side)	1	421055	421099		ADAPTER ASSEMBLY*	1	246242	247242
80*	Output Hub Bearing	2	246187	247315	112	▲ R.H. Adapter Plate	1	246241	247241
81*	Bearing	2	246186	247315	114	▲ L.H. Adapter Plate	1	245243	247244
		2	391935	391962	116	▲ Adapter Bushing	1	411460	411485
		2	391936	390666	118	▲ Adapter Bolt	1	419013	419014
					120	▲ Lockwasher	1	407091	407093
					122	▲ Hex Nut	1	.....	.....

* Includes parts listed immediately below marked "▲". TD6 housing assembly also includes a two-piece housing. Bushing Assemblies include 2 bushings.

▲ Parts marked "▲" make up the assemblies under which they are listed.

▲ Not shown on drawing.

▲ For reducers originally supplied with gaskets only.

‡ For size TD6 1 set req'd.; TD7 2 sets req'd.

† One set consists of one each of the shims listed immediately below marked "†".

† See last paragraph under "ORDERING PARTS".

◆ Straight Bore Only.

◆ Taper Bushed Only.

◆ 24 req'd. on size TD6; 28 req'd. on size TD7.

* Recommend spare parts.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Speed Reducer can be disassembled and reassembled by careful attention to the instructions following:

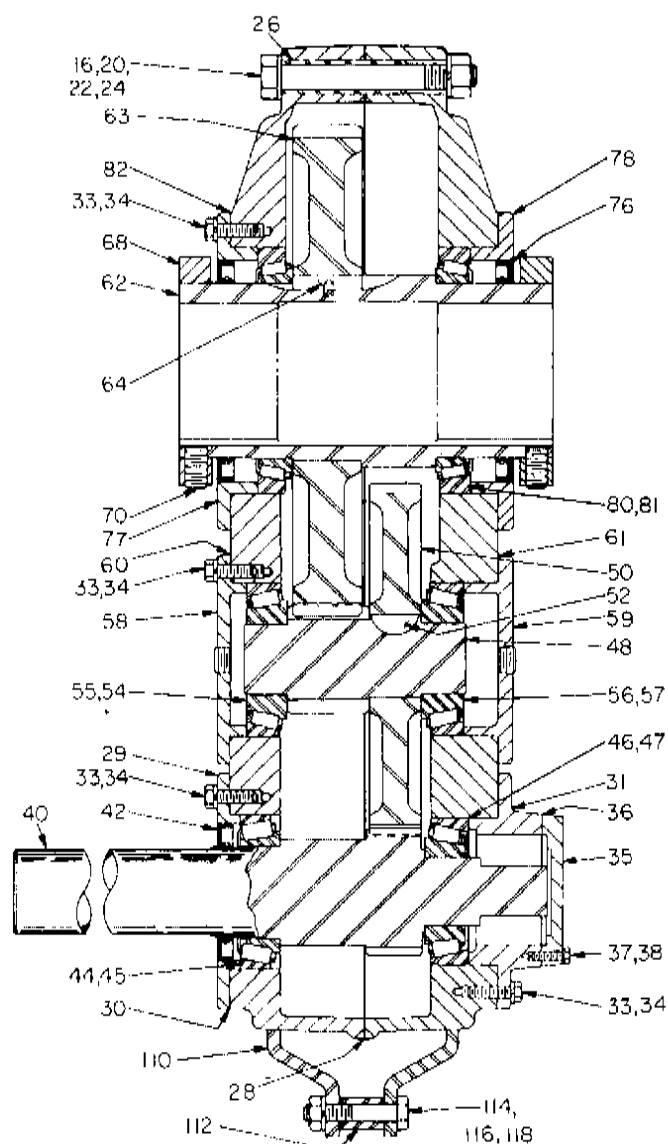
Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press and

equipment for heating bearings and gears should be available for shrinking these parts on shafts.

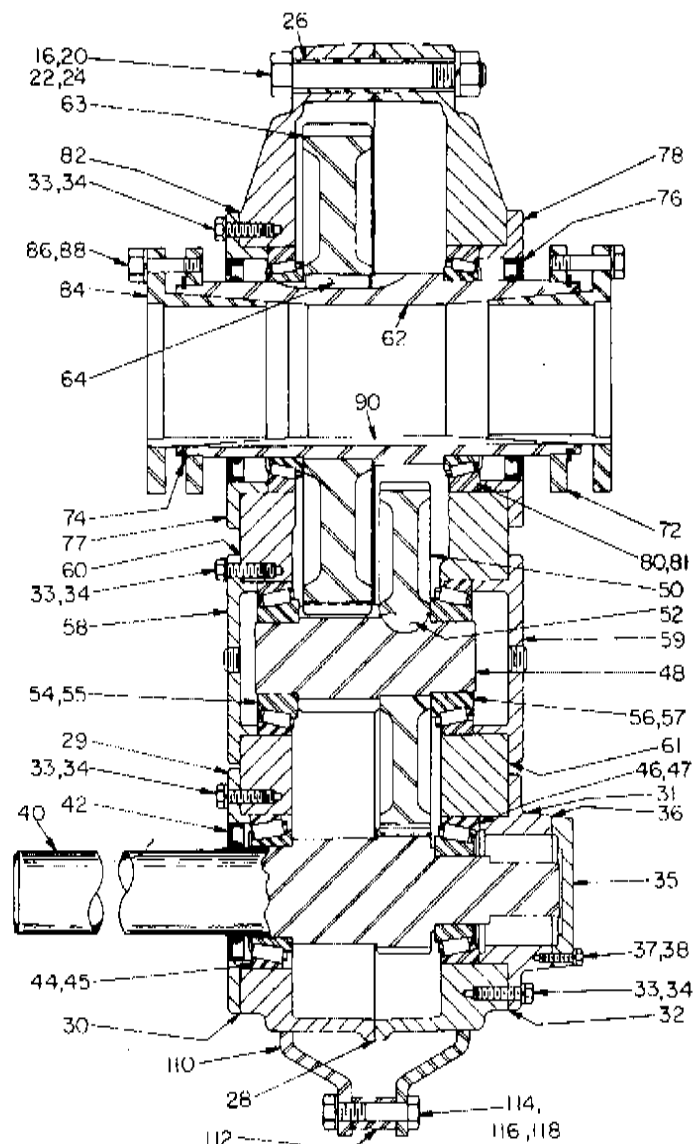
Our factory is prepared to repair reducers for customers who do not have proper facilities or who, for any reason, desire factory service.

The oil seals are of the rubbing type and considerable care should be exercised during disassembly and reassembly to avoid damage to surfaces which the on.

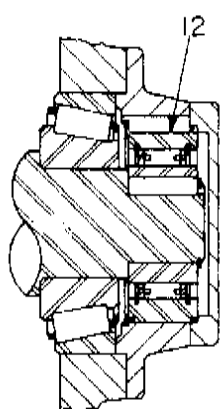
PARTS FOR TDT8 thru TDT10 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



Straight Bore

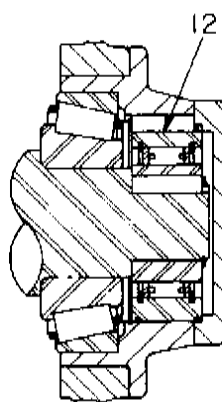


Taper Bushed

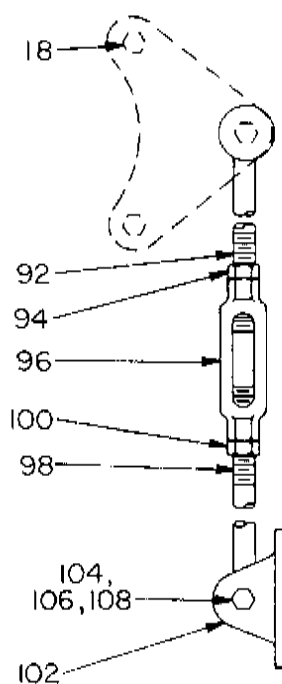


TDT8 & TDT10

Backstop Assembly



TDT9



Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

1601 WAF
180

248180 249180 250174

Refer- ence	Name of Part	No. Req'd.	TDT8 Part No.	TDT9 Part No.	TDT10 Part No.	Refer- ence	Name of Part	No. Req'd.	TDT8 Part No.	TDT9 Part No.	TDT10 Part No.
12	Backstop Assembly	1	249260	249260	250260		OUTPUT HUB ASSEMBLY *				
	HOUSING	1	390061	390061	390061		Straight Bore	1	390993	390159	390160
16	Air Vent with Bushing	1	411499	411500	411502	62*	Taper Bushed	1	390944	390942	390954
18	Housing Bolt	2	411502	411502	411504		Output Hub —				
20	Housing Bolt — Adapter	2	419016	419016	419016		Straight Bore	1	248332	249208	250008
22	Lockwasher	2	419082	419082	419082	63*	Taper Bushed	1	272036	272081	272241
	Plain Washer	2	407095	407095	407095	64*	Output Gear	1	248215	390112	250007
24	Hex Nut	2	420128	420128	420132		Output Gear Key & Roll Pin	2	390112	390112	390113
26	Dowel Pin	1	248219	249219	250019	68	Output Hub Collar	2	248209	249209	250009
28	Housing Gasket	1	430035	430035	430035	70	Collar Screw	4	400190	400194	400194
	Pipe Plug	1	430064	430064	430064	72	Bushing Back-up Plate	2	272037	272082	272242
	Magnetic Plug	1	258023	249211	249211	74	Retaining Ring	2	421098	421097	421069
29	Input Shaft Seal Carrier	2 Sets ‡	390038	390168	390168		Output Hub Seal Carrier —				
30*	Input Shaft Bearing Shim Pack	†	427579	427580	427580	77	Input Side	1	258021	249221	250011
	.002" Thick	†	427595	427591	427591	78	Backstop Side	1	258020	249220	250011
	.005" Thick	†	427602	427601	427601		Output Hub Bearing				
	.010" Thick	†	427621	427619	427619	80*	Cone	2	390353	390334	390342
	.025" Thick	†	258022	249222	250022	81*	Cup	2	390354	390335	390343
31	Backstop Carrier	1	411408	411408	411408	82*	Output Hub Shim Pack	2 Sets ‡	390048	390171	390172
32	Backstop Carrier Gasket	1	419011	419011	419011		.002" Thick	†	427509	427505	427506
33	Carrier and Cover Screws	48	248221	248221	248221		.005" Thick	†	427523	427518	427519
34	Lockwasher	48	411402	411402	411402		.010" Thick	†	427534	427530	427531
35	Backstop Cover	6	419009	419009	419009		.025" Thick	†	427564	427560	427561
37	Backstop Cover Screw	6	248370	272074	250300		SEAL KIT **	1	248340	249340	272460
38	Lockwasher	6	248371	272106	250004	36*	Backstop Cover Gasket	1	248220	248220	248220
40*	Input Shaft { 15:1 Ratio	1	443133	443123	443123	42*	Input Shaft Seal	1	248203	248203	248203
	with Pinion { 5 Ratio	1				76*	Output Hub Seal	2	258004	249202	250002
	Input Shaft Key	1				28*	Housing Gasket	1	248219	249219	250009
	Input Shaft Bearing						RTV Sealant, Tube	1	465044	465044	465044
44*	Cone	1	390352	390328	390328						
45*	Cup	1	390331	390329	390329						
	Input Shaft Bearing —										
46*	Backstop Side										
47*	Cone	1	390330	390336	390340	84	BUSHING ASSEMBLY *				
	Cup	1	390331	390337	390329		2 1/16" Bore	1	272048	.....	.....
	COUNTERSHAFT { 15:1 Ratio	1	391184	390124	390983		3 1/16" Bore	1	272045	.....	.....
48	ASSEMBLY * { 5 Ratio	1	391185	390139	390998		3 1/8" Bore	1	272032	272056	.....
50*	Countershaft with Pinion	1	248002	249006	272249		3 1/4" Bore	1	272033	272077	272214
	First Reduction { 15:1 Ratio	1	248213	249008	250301		4 1/16" Bore	1	272034	272078	272237
	Gear { 5 Ratio	1	248214	249005	250005		4 1/8" Bore	1	272035	272079	272238
52*	Key	2	248218	248218	248218	86	Bushing Screw	6	411457	411484	411484
	Countershaft Bearing					88	Lockwasher	6	419013	419014	419014
	Input Side										
54*	Cone	1	391964	390338	391830						
55*	Cup	1	391972	390339	391856	90	Key, Bushing to Shaft				
	Countershaft Bearing —						2 1/16" Bore	1	443247	.....	.....
56*	Backstop Side						3 1/16" Bore	1	443247	.....	.....
57*	Cone	1	390332	390338	391830		3 1/8" Bore	1	443171	443249	.....
	Cup	1	390333	390339	391856		3 1/4" Bore	1	443173	272119	443192
58	Countershaft Bearing Cover —						4 1/16" Bore	1	443174	272108	443192
	Input Side	1	248223	249225	272251		4 1/8" Bore	1	443196	272086	443193
59	Countershaft Bearing Cover	1	248373	249224	250245		4 1/4" Bore	1	.....	443161	443194
60*	Countershaft Bearing Shim Pack —						5 1/16" Bore	1	.....	.....	443195
	Input Side	1 Sets ‡	391182	390168	390575						
	.002" Thick	†	427482	427580	427488						
	.005" Thick	†	427483	427591	427489						
	.010" Thick	†	427484	427601	427490						
	.025" Thick	†	427485	427619	427491						
61*	Countershaft Bearing Shim Pack —										
	Backstop Side	1 Sets ‡	390419	390168	390575						
	.002" Thick	†	427627	427580	427488						
	.005" Thick	†	427631	427591	427489						
	.010" Thick	†	427645	427601	427490						
	.025" Thick	†	427639	427619	427491						

* Includes parts listed immediately below marked "A". Housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.
† Parts marked "A" make up the assemblies under which they are listed.
‡ Not shown on drawing.

§ Ratios are 24:1 on TDT10; 25:1 on TDT8; 26:1 on TDT9.
⊙ 9 req'd. for sizes TDT8 & TDT9; 11 req'd. for size TDT10.
⊠ 11 req'd. for sizes TDT8 & TDT9; 13 req'd. for size TDT10.
‡ 3 req'd. for size TDT8; 2 req'd. for size TDT9; 4 req'd. for size TDT10.
* Recommended spare parts.

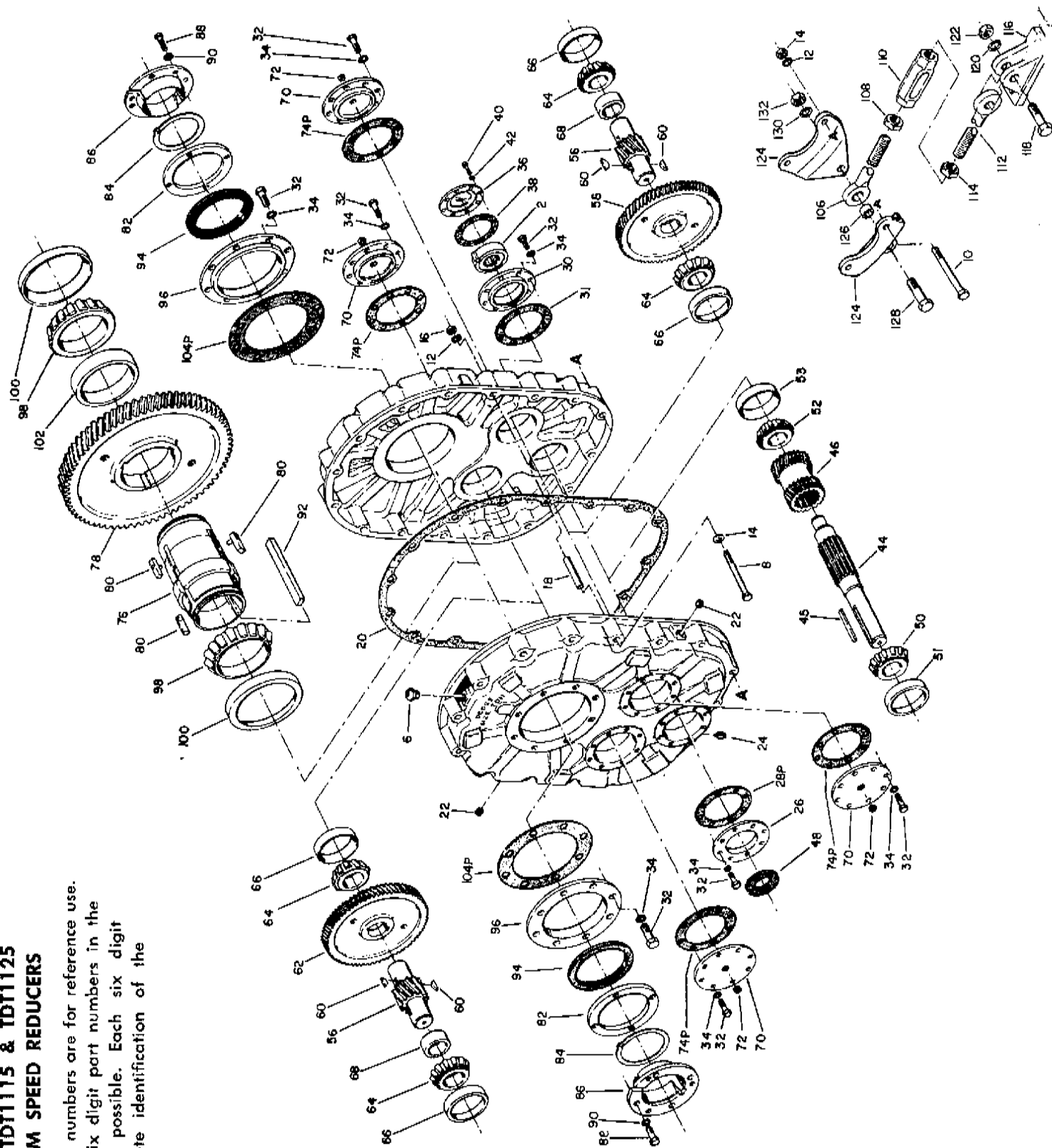
‡ 2 sets req'd. for size TDT8; 1 set req'd. for sizes TDT9 & TDT10.
† One set consists of one each of the shims listed immediately below marked "†".
‡ See last paragraph under "ORDERING PARTS".
⊙ Straight Bore Only.

#62 hub
Must replace
w/assembly
390159 - KW
Change

ily; size TDT9 for 3 1/16" thru 4 1/16" Bore only.

PARTS FOR TDT1115 & TDT1125 TORQUE-ARM SPEED REDUCERS

NOTE: The two digit numbers are for reference use. Order parts by the six digit part numbers in the Price List whenever possible. Each six digit number is a complete identification of the part or assembly.



Parts for No. TDT1115 and TDT1125 Dodge Torque-Arm Speed Reducers

Before ordering see "ORDERING PARTS" below.

Price List L791

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
2	Backstop Assembly	1	248101	\$ 330.00	64	Countershaft Bearing Cone, 42690 Δ	4	390344	\square
4 \downarrow	HOUSING ASSEMBLY \star	1	390111	1800.00	66	Countershaft Bearing Cup, 42620 Δ	4	390345	\square
6	Δ Air Vent	1	271041	8.00	68	Countershaft Bearing Spacer	2	271017	\$ 12.00
8	Δ Housing Bolt	14	411499	3.40	70	Countershaft Bearing Cover	4	271016	16.00
10	Δ Adapter—Housing Bolt	2	411502	4.20	72	Cover Plug	4	430035	1.60
12	Δ Lockwasher	16	419016	.10	74P	Countershaft Bearing Shim Pack	1 Set \ddagger	390170	4.60
14	Δ Plain Washer	2	419082	.10		.002" Thick	\dagger	427629	.80
16	Δ Hex Nut	16	407095	.30		.005" Thick	\dagger	427633	.90
18	Δ Dowel Pin	2	420132	2.80		.010" Thick	\dagger	427637	1.00
20	Δ Housing Gasket	1	271029	10.00		.025" Thick	\dagger	427641	1.90
22	Δ Pipe Plug	2	430035	1.60	76	Output Hub	1	272061	342.00
24	Δ Magnetic Plug	1	430064	2.00	78	Output Gear	1	271007	1148.00
26	Input Shaft Seal Carrier	1	271019	22.00	80	Output Gear Key & Roll Pin	3	390114	4.00
28P	Input Shaft Bearing Shim Pack	1 Set \ddagger	390168	5.10	82	Bushing Back-up Plate	2	272062	20.00
	.002" Thick	\dagger	427580	.90	84	Retaining Ring	2	272063	16.00
	.005" Thick	\dagger	427591	1.00	84A \downarrow	Bushing Assembly \star	1	272059	220.00
	.010" Thick	\dagger	427601	1.20		$\left\{ \begin{array}{l} 4\frac{1}{16}" \text{ Bore} \\ 4\frac{1}{8}" \text{ Bore} \\ 5\frac{1}{8}" \text{ Bore} \\ 6" \text{ Bore} \end{array} \right.$	1	272064	220.00
	.025" Thick	\dagger	427619	2.00			1	272065	220.00
30	Backstop Carrier	1	271020	42.00			1	272066	220.00
31	Backstop Carrier Gasket	1	248216	1.80	86	Δ Bushing	2	272058	\square
32	Carrier and Cover Screw	64	411408	.20		$\left\{ \begin{array}{l} 4\frac{1}{16}" \text{ Bore} \\ 4\frac{1}{8}" \text{ Bore} \\ 5\frac{1}{8}" \text{ Bore} \\ 6" \text{ Bore} \end{array} \right.$	2	272067	\square
34	Lockwasher	64	419011	.10			2	272069	\square
36	Backstop Cover	1	248221	7.00			2	272071	\square
38	Backstop Cover Gasket	1	248220	2.00	88	Δ Bushing Screw	8	411483	.90
40	Cover Cap Screw	6	411402	.20	90	Δ Lockwasher	8	419014	.10
42	Lockwasher	6	419009	.05			1	443242	12.00
44	Input Shaft	1	271004	350.00	92	Δ Key, Bushing to	1	272068	12.00
45	Input Shaft Key	1	443134	1.60		Shaft & Output Hub	1	272070	12.00
46	Input Pinion $\left\{ \begin{array}{l} 15:1 \text{ Ratio} \\ 25:1 \text{ Ratio} \end{array} \right.$	1	272102	252.00		$\left\{ \begin{array}{l} 4\frac{1}{16}" \text{ Bore} \\ 4\frac{1}{8}" \text{ Bore} \\ 5\frac{1}{8}" \text{ Bore} \\ 6" \text{ Bore} \end{array} \right.$	1	443189	12.00
48	Input Shaft Seal	1	271003	250.00	94	Output Hub Seal	2	271010	40.00
		1	248211	10.40	96	Output Hub Seal Carrier	2	271014	52.00
50	Input Shaft Bearing—Input End	1	390328	\square	98	Output Hub Bearing Cone, 42620 Δ	2	390346	\square
51	Cone, 745A Δ	1	390329	\square	100	Output Hub Bearing Cup, 42620 Δ	2	390347	\square
	Cup, 742 Δ	1	390329	\square	102	Output Hub Bearing Spacer	1	271012	26.00
52	Input Shaft Bearing—Backstop End	1	390330	\square	104P	Output Hub Bearing Shim Pack	1 Set \ddagger	390173	11.20
53	Cone, 565 Δ	1	390331	\square		.002" Thick	\dagger	427507	2.00
	Cup, 563 Δ	1	390331	\square		.005" Thick	\dagger	427520	2.10
54 \downarrow	COUNTERSHAFT ASSEMBLY					.010" Thick	\dagger	427532	2.30
	Left Hand Spiral \star $\left\{ \begin{array}{l} 15:1 \text{ Ratio} \\ 25:1 \text{ Ratio} \end{array} \right.$	1	390236	1102.00		.025" Thick	\dagger	427562	4.20
56	Δ Countershaft with Pinion	1	390126	1100.00	106	TORQUE ARM ASSEMBLY \star	1	390129	92.00
58	Δ L.H. Spiral First Reduction	1	271006	420.00		Δ Rod End	1	271050	25.60
	Gear $\left\{ \begin{array}{l} 15:1 \text{ Ratio} \\ 25:1 \text{ Ratio} \end{array} \right.$	1	272103	681.40	108	Δ Hex Nut	1	407104	1.40
60	Δ Key	1	271005	679.40	110	Δ Turnbuckle	1	271051	13.00
		1	247218	.60	112	Δ Extension	1	271052	23.00
54R \downarrow	COUNTERSHAFT ASSEMBLY				114	Δ L.H. Hex Nut	1	407250	2.00
	Right Hand Spiral \star $\left\{ \begin{array}{l} 15:1 \text{ Ratio} \\ 25:1 \text{ Ratio} \end{array} \right.$	1	390237	1102.00	116	Δ Fulcrum	1	271054	24.00
56	Δ Countershaft with Pinion	1	390127	1100.00	118	Δ Fulcrum Screw	1	411516	3.60
62	Δ R.H. Spiral First Reduction	1	271006	420.00	120	Δ Lockwasher	1	419020	.20
	Gear $\left\{ \begin{array}{l} 15:1 \text{ Ratio} \\ 25:1 \text{ Ratio} \end{array} \right.$	1	272104	681.40	122	Δ Hex Nut	1	407099	.60
60	Δ Key	1	271011	679.40	124	Adapter Plate	2	271049	18.00
		1	247218	.60	126	Adapter Bushing	1	271046	5.20
					128	Adapter Bolt	1	411510	3.00
					130	Lockwasher	1	419020	.20
					132	Hex Nut	1	407099	.60

\star Includes parts listed immediately below marked " Δ ". Housing Assembly also includes two-piece housing.

Δ The parts marked " Δ " make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

Δ Timken part number.

\downarrow Not shown on drawing.

\ddagger One set consists of one each of the shims listed immediately below marked with a dagger.

\dagger See last paragraph under "ORDERING PARTS" following.

\square Price on application.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Reducer can be disassembled and reassembled by careful attention to the instructions following.

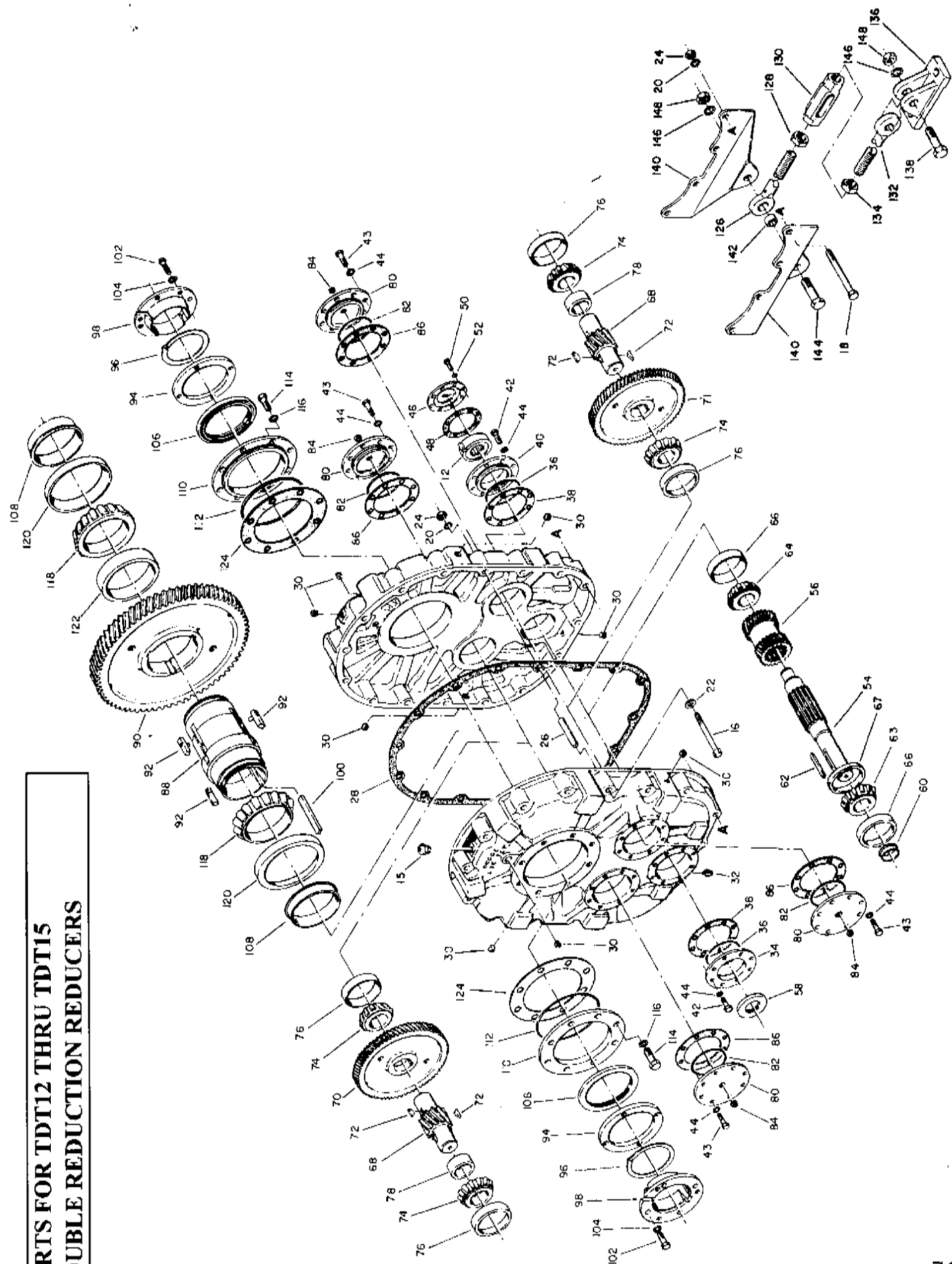
Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and equip-

ment for heating bearings and gears, should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be used during disassembly and reassembly to avoid damage to the surface which the seals rub on.

**PARTS FOR TDT12 THRU TDT15
DOUBLE REDUCTION REDUCERS**



Reference	Name of Part	No. Req'd.	TD12 Part No.	TD13 Part No.	TD14 Part No.	TD15 Part No.	Reference	Name of Part	No. Req'd.	TD12 Part No.	TD13 Part No.	TD14 Part No.	TD15 Part No.
12	Backstop Assembly	1	250260	272259	272293	272293	74	Countershaft Brg. Cone	4	390453	391857	391882	392007
15	HOUSING ASSEMBLY *	1	↓	↓	↓	↓	76	Countershaft Brg. Cup	4	390454	391858	391883	392008
16	▲ Air Vent	1	271041	271041	271041	271041	78	Countershaft Brg. Spacer	2	272017	272268	272168	272372
18	▲ Housing Bolt	12	411506	411509	411517	411846	80	Countershaft Brg. Cover	4	272016	272273	272173	272380
20	▲ Adapter Housing Bolt	4	411508	411509	411518	411247	84	Cover Plug	4	430035	430035	430035	430035
22	▲ Lockwasher	16	419016	419016	419020	419020	86	Countershaft Bearing	1	392151	392153	392156	392158
24	▲ Plain Washer	2	419082	419082	419080	419080		Shim Pack	1	↓	↓	↓	↓
26	▲ Hex Nut	16	407095	407095	407099	407099		.002" Thick	1	427630	427650	427450	427054
28	▲ Dowel Pin	2	420132	420133	420134	420135		.005" Thick	1	427646	427651	427451	427055
30	▲ Housing Gasket	1	272029	272278	272178	.....		.010" Thick	1	427638	427652	427452	427056
32	▲ Pipe Plug	1	430035	430035	430035	430035		.025" Thick	1	427647	427653	427453	427057
34	▲ Magnetic Plug	1	430064	430064	430064	430064		OUTPUT HUB ASSEMBLY *	1	↓	↓	↓	↓
38	Input Shaft Seal Carrier	1	272019	272274	272174	272381	88	▲ Output Hub	1	272220	272267	272167	272368
	Input Shaft	1	392150	392150	392153	392155	90	▲ Output Gear	1	272007	272266	272166	272367
	Bearing Shim Pack	2 Sets †	↓	↓	↓	↓	92	▲ Gear Key & Roll Pin	3	390863	390863	390863	390863
	.002" Thick	1	427582	427582	427458	427458	94	Bushing Back-up Plate	2	272221	272283	272183	272390
	.005" Thick	1	427596	427596	427459	427459	96	Retaining Ring	2	421053	421095	421096	421114
	.010" Thick	1	427603	427603	427460	427460		5 1/16" Bore	1	272215	272290	272190	272395
	.025" Thick	1	427622	427622	427461	427461		5 1/8" Bore	1	272216	272291	272191	272395
40	Backstop Carrier	1	272020	272275	272175	272175	98	BUSHING	1	272217	272291	272191	272395
42	Carrier & Cover Screw	16	411483	411483	411268	411268		6" Bore	1	272218	272292	272192	272395
43	Countershaft	32	411483	411483	411268	411495		6 1/8" Bore	1	272219	272292	272192	272395
44	Cover Screw	48	419014	419014	419016	419016		7" Bore	1	.....	272257	272193	272395
46	Backstop Cover	1	248221	272276	272176	272176		8" Bore	1	.....	.....	272194	272398
48	Cover Gasket	1	248220	272277	272177	272177		8 1/2" Bore	1	.....	.....	.....	272397
50	Backstop Cover	6	411402	411408	411407	411407		9" Bore	1	.....	.....	.....	272396
52	Cap Screw	6	419009	419011	419011	419011		10" Bore	1	.....	.....	.....	272395
54	Lockwasher	6	419011	419011	419011	419011		5 1/16" Bore	1	272223	272287	272187	272375
56	Input Shaft	1	272004	272261	272161	272362		5 1/8" Bore	1	272225	272287	272187	272375
58	Input { 15:1 Ratio	1	272212	272262	272162	272363	100	▲ Key	1	272227	272288	272188	272375
60	Pinion { Ratio	1	272003	272262	272162	272363		(Bushing	1	272229	272289	272189	272375
62	Input Shaft Seal	1	272211	272270	272270	272377		6 1/2" Bore	1	272231	272289	272189	272375
64	Input Shaft	1	.....	272281	272281	272376		to 7" Bore	1	.....	443175	272190	272375
66	Seal Wear Ring	1	443122	443140	443139	443348		8" Bore	1	.....	.....	443188	272408
68	Input Shaft Key	1	.....	.....	.....	.....		8 1/4" Bore	1	.....	.....	.....	272407
70	Input Shaft Brg. Cone — Input End	1	390451	391830	391880	391857		9" Bore	1	.....	.....	.....	272406
72	Input Shaft Brg. Cone — B'Stop End	1	390451	391830	391880	391880		10" Bore	1	.....	.....	.....	443349
74	Input Shaft Brg. Cup	2	390452	391856	391858	391858	102	▲ Bushing Screw	8	411485	411485	411495	411496
76	Input Shaft Brg. Spacer	1	.....	.....	.....	272391	104	▲ Lockwasher	8	419014	419014	419016	419016
78	COUNTERSHAFT ASSEMBLY	1	↓	↓	↓	↓	106	Output Hub Seal	2	272010	272271	272171	272375
80	Left Hand Spiral *	1	↓	↓	↓	↓	108	Output Hub	2	.....	272282	272182	272374
82	{ 15:1 Ratio	1	↓	↓	↓	↓	110	Seal Wear Ring	2	272014	272272	272172	272379
84	Ratio	1	↓	↓	↓	↓	112	Output Hub Seal Carrier	2	.....	272272	272172	272379
86	▲ Countershaft with Pinion	1	272006	272265	272165	272366	114	Carrier Screw	16	411493	411493	411276	411248
88	▲ L.H. 1st Reduction Gear	1	272026	272263	272163	272364	116	Lockwasher	16	419016	419016	419018	419018
90	{ 15:1 Ratio	1	272005	272263	272163	272364	118	Output Hub Brg. — Cone	2	390455	391859	391884	392005
92	Ratio	1	248218	248218	248218	272389	120	Output Hub Brg. — Cup	2	390456	391860	391885	392006
94	▲ Key	2	.....	.....	.....	.....	122	Output Hub Brg. Spacer	1	272012	272269	272169	272378
96	COUNTERSHAFT ASSEMBLY	1	↓	↓	↓	↓	124	Output Hub	1	392152	392154	392157	392159
98	Right Hand Spiral *	1	↓	↓	↓	↓		Bearing Shim Pack	1	↓	↓	↓	↓
100	{ 15:1 Ratio	1	↓	↓	↓	↓		.002" Thick	1	427504	427654	427454	427050
102	Ratio	1	↓	↓	↓	↓		.005" Thick	1	427524	427655	427455	427051
104	▲ Countershaft with Pinion	1	272006	272265	272165	272366		.010" Thick	1	427535	427656	427456	427052
106	▲ R.H. 1st Reduction Gear	1	272026	272263	272163	272364		.025" Thick	1	427565	427657	427457	427053
108	{ 15:1 Ratio	1	272005	272263	272163	272364	126	Rad End	1	272050	272050	272151	272385
110	Ratio	1	248218	248218	248218	272389	128	Hex Nut	1	407108	407108	407110	407150
112	▲ Key	2	.....	.....	.....	.....	130	Turnbuckle	1	272051	272051	272152	272386
114	COUNTERSHAFT ASSEMBLY	1	↓	↓	↓	↓	132	Extension	1	272052	272052	272153	272387
116	Left Hand Spiral *	1	↓	↓	↓	↓	134	L.H. Hex Nut	1	407251	407251	407111	407080
118	{ 15:1 Ratio	1	↓	↓	↓	↓	136	Fulcrum	1	272054	272054	272154	272388
120	Ratio	1	↓	↓	↓	↓	138	Fulcrum Screw	1	411524	411524	411528	411245
122	▲ Countershaft with Pinion	1	272006	272265	272165	272366	140	ADAPTER ASSEMBLY *	1	.....	.....	.....	.....
124	▲ R.H. 1st Reduction Gear	1	272026	272263	272163	272364	142	▲ Adapter Plate	2	272049	272280	272180	272383
126	{ 15:1 Ratio	1	272005	272263	272163	272364	144	▲ Adapter Bushing	1	272046	272046	272187	272384
128	Ratio	1	248218	248218	248218	272389	146	▲ Adapter Bolt	1	411520	411520	411527	411244
130	▲ Key	2	.....	.....	.....	.....	148	▲ Lockwasher	2	419024	419024	419025	419026
132	COUNTERSHAFT ASSEMBLY	1	↓	↓	↓	↓		▲ Hex Nut	2	407104	407104	407108	407110
134	Left Hand Spiral *	1	↓	↓	↓	↓							
136	{ 15:1 Ratio	1	↓	↓	↓	↓							
138	Ratio	1	↓	↓	↓	↓							
140	▲ Countershaft with Pinion	1	272006	272265	272165	272366							
142	▲ R.H. 1st Reduction Gear	1	272026	272263	272163	272364							
144	{ 15:1 Ratio	1	272005	272263	272163	272364							
146	Ratio	1	248218	248218	248218	272389							
148	▲ Key	2	.....	.....	.....	.....			

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece bushing. Bushing assembly includes 2 bushings.
 ▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.
 † 2 req'd. on TD12; 8 req'd. on TD13 & TD14; 12 req'd. on TD15.
 ‡ One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" following.
 ‡ Use reference number when ordering; giving complete part identification.
 § 25:1 on TD12, TD13 & TD14; 30:1 on TD15.
 ¶ 4 sets req'd. on TD12, TD13 & TD14; 6 sets req'd. on TD15.
 † 2 sets req'd. on TD12, TD13 & TD14; 3 sets req'd. on TD15.
 * Recommended spare parts.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Speed Reducer can be disassembled and reassembled by careful attention to the instructions following.

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and

equipment for heating bearings and gears, should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be exercised during disassembly and reassembly to avoid damage to surfaces which the seals rub on.

Parts for Nos. TD015 & TD025 Speed Reducers

Refer- ence	Name of Part	No. Req'd	Part Number
12	HOUSING ASSEMBLY ★	1	390100
13	▲ Air Vent	1	241237
14	▲ Housing Bolt (3/8 x 4 1/2)	2	411420
15	▲ Housing Bolt (3/8 x 4)	2	411418
16	▲ Housing Bolt (3/8 x 3)	2	411416
17	▲ Lockwasher	6	419011
18	▲ Hex Nut	6	407087
19	▲ Dowel Pin	2	409025
20	▲ Housing Gasket	1	240219
21	▲ Pipe Plug	2	430033
22	▲ Magnetic Plug	1	430060
23	▲ Bearing Cover	3	240221
44	Input Shaft {15 to 1 Ratio ★	1	240009
45	with Pinion {25 to 1 Ratio ★	1	240004
46	Input Shaft Seal	1	240203
47	Input Shaft Snap Ring	1	421045
48	Input Shaft Bearing (3209X1A) ★	2	390275
52	COUNTERSHAFT {for 15 to 1 Ratio ★	1	390115
53	ASSEMBLY ★ {for 25 to 1 Ratio ★	1	390130
54	▲ Countershaft with Pinion	1	240006
55	▲ First Reduc- {for 15 to 1 Ratio ★	1	240008
56	tion Gear {for 25 to 1 Ratio ★	1	240005
57	▲ Key	1	443011
58	Countershaft Bearing (3209X1A) ★	2	390275
59	Countershaft Spacer	1	240222
64	OUTPUT HUB {for 1 3/8" Bore	1	390149
65	ASSEMBLY ★ {for 1 1/4" Bore	1	390150
66	Output {for 1 3/8" Bore	1	240260
67	Hub {for 1 1/4" Bore	1	240268
68	▲ Output Gear	1	240007
69	▲ Key	1	443003
70	▲ Output Hub Snap Ring	1	421010
71	▲ Output Hub Set Screw	4	400348
72	Output {Cone (LM603C49) ★	2	390318
73	Bearing {Cup (LM603C11) ★	2	390319
74	Output Hub Seal	2	240202
75	005 Output Hub Shim	1	427510
76	015 Output Hub Shim	1	427540
77	Output Hub Spacer	1	240220
82	TORQUE ARM ASSEMBLY ★	1	390040
83	▲ Rod End	1	240245
84	▲ Hex Nut	1	407091
85	▲ Turnbuckle	1	240246
86	▲ Extension	1	240247
87	▲ L.H. Hex Nut	1	407240
88	▲ Fulcrum	1	240249
89	▲ Fulcrum Bolt	1	411435
90	▲ Hex Nut	1	407089
92	L.H. Adapter Plate	1	241241
93	R.H. Adapter Plate	1	241242
94	Adapter Bushing	1	240243
95	Adapter Bolt	1	411410
96	Lockwasher	1	419011
97	Hex Nut	1	407087

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

◆ Not shown on drawing.

⌘ Approximate ratio of TD015 reducer.

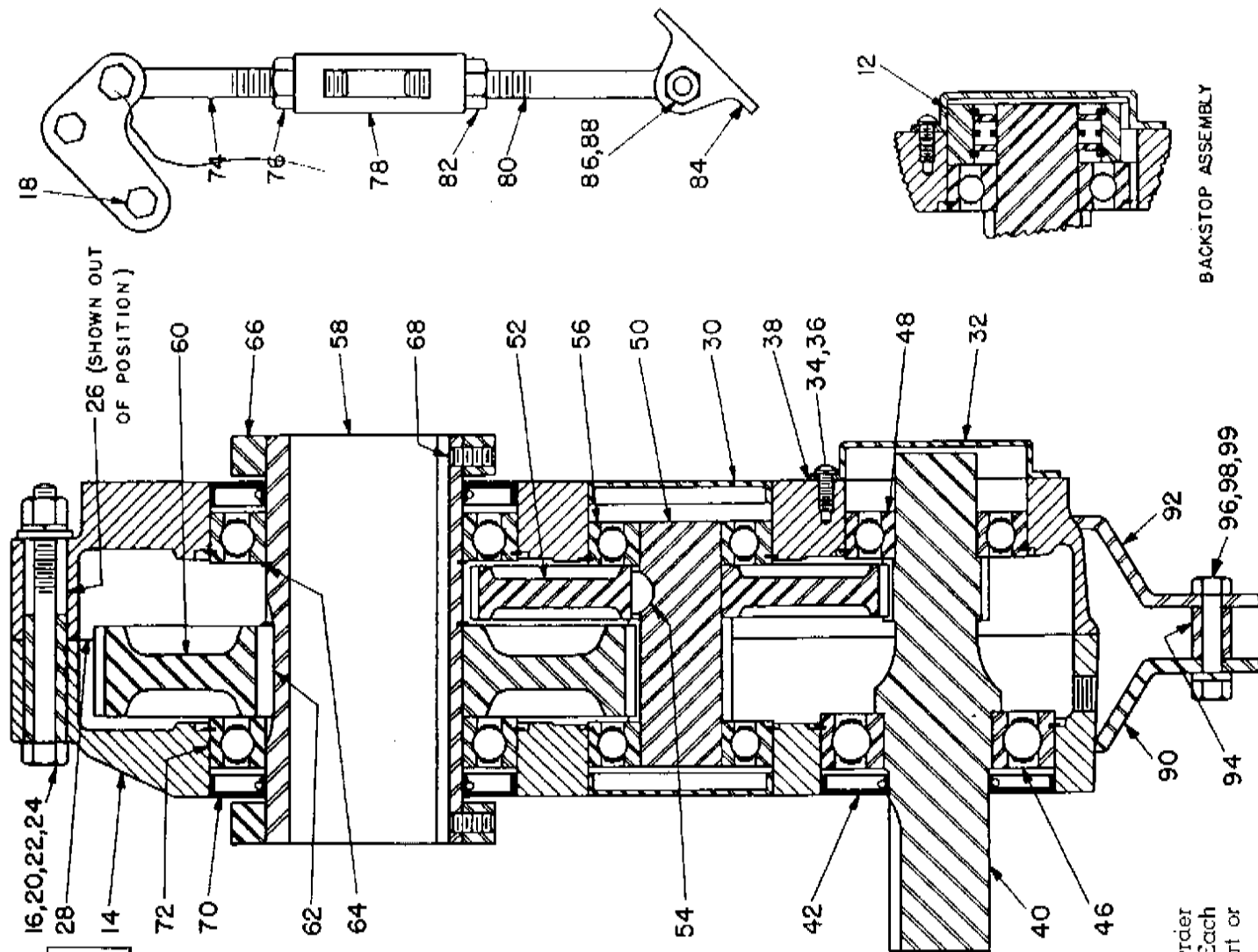
⌘ Approximate ratio of TD025 reducer.

⌘ New Departure part number.

⌘ Timken part number.

⌘ As required.

PARTS FOR TD 1 THRU TD 6 DOUBLE REDUCTION REDUCERS

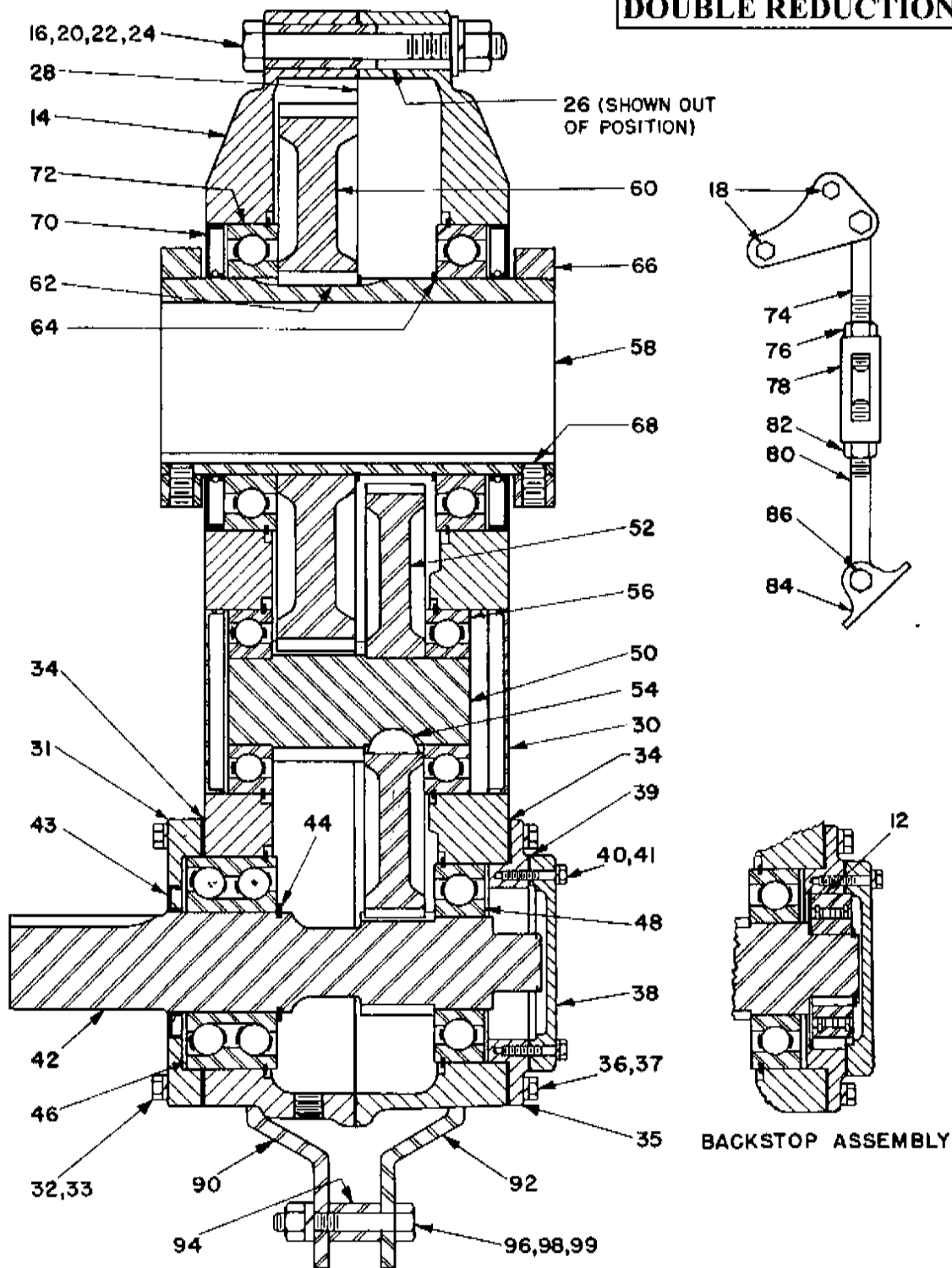


NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Bearing	Reducer Size	No. Req'd.	Bearing No.	Dodge	New Departure
Input Shaft Bearing — Input End	TD115 & TD125	1	390277		420000X1A
	TD215 & TD325	1	390282		430000X1A
	TD315 & TD325	1	390287		430000X1A
	TD415 & TD425	1	390293		430000X1A
	TD515 & TD525	1	390298		430000X1A
Input Shaft Bearing — Backstop End	TD615 & TD625	1	390305		430000X1A
	TD115 & TD125	1	390278		420000X1A
	TD215 & TD225	1	390277		420000X1A
	TD315 & TD325	1	390288		420000X1A
	TD415 & TD425	1	390288		430000X1A
Countershaft Bearing	TD515 & TD525	1	390299		430000X1A
	TD615 & TD625	1	390306		430000X1A
	TD115 & TD125	2	390278		420000X1A
	TD215 & TD225	2	390283		430000X1A
	TD315 & TD325	2	390288		430000X1A
Output Hub Bearing	TD415 & TD425	2	390295		430000X1A
	TD515 & TD525	2	390299		430000X1A
	TD615 & TD625	2	390306		430000X1A
	TD115 & TD125	2	390278		420000X1A
	TD215 & TD225	2	390284		430000X1A
Output Hub Bearing	TD315 & TD325	2	390289		430000X1A
	TD415 & TD425	2	390296		430000X1A
	TD515 & TD525	2	390300		430000X1A
	TD615 & TD625	2	390307		430000X1A

Reference	Name of Part	No. Req'd	TD115 & TD125 Reducers	TD215 & TD225 Reducers	TD315 & TD325 Reducers	TD415 & TD425 Reducers	TD515 & TD525 Reducers	TD615 & TD625 Reducers
			Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
12	Backstop Assembly	1	241101	242101	243101	244092	245101	246092
14	HOUSING ASSEMBLY	1	241197	242197	243197	244197	245197	246197
16	Air Vent	1	241237	241237	241237	241237	245237	245237
18	Housing Bolt	1	411418	411418	411440	411442	411466	411466
20	Adapter—Housing Bolt	2	411420	411420	411442	411444	411466	411468
22	Lockwasher	2	419011	419011	419012	419012	419013	419013
24	Hex Nut	2	407087	407087	407089	407089	407091	407091
26	Plain Washer	2	419092	419092	419094	419094	419096	419096
28	Dowel Pin	2	420089	420089	420103	420103	420112	420112
30	Housing Gasket	1	241219	241219	243219	243219	245219	245219
32	Pipe Plug	2	430031	430031	430031	430031	430033	430033
34	Magnetic Plug	1	430060	430060	430060	430060	430062	430062
36	Countershaft Bearing Cover	2	241224	242224	243224	244224	245224	246224
38	Backstop Cover	1	241221	242221	243221	244221	245221	246221
40	Backstop Cover Screw	1	415022	415022	415022	415022	415022	415022
42	Lockwasher	1	419011	419011	419012	419012	419013	419013
44	Backstop Cover Gasket	1	241220	242220	243220	244220	245220	246220
46	Input Shaft { for 15 to 1 Ratio	1	241268	242174	243009	244009	245009	246009
48	Input Shaft { for 25 to 1 Ratio	1	241269	242175	243004	244004	245004	246004
50	Input Shaft Seal	1	241203	242203	243203	244203	245203	246203
52	Input Shaft Bearing—Input End	1	424076	424076	424078	424078	424080	424080
54	Input Shaft Bearing—Backstop End	1	424110	424110	424000	424000	424002	424002
56	COUNTERSHAFT { for 15 to 1 Ratio	1	390116	390117	390118	390119	390120	390121
58	ASSEMBLY { for 25 to 1 Ratio	1	390131	390132	390133	390134	390135	390136
60	Countershaft with Pinion	1	241006	242006	243006	244006	245006	246006
62	First Reduc-	1	241008	242008	243008	244008	245008	246008
64	ion Gear { for 15 to 1 Ratio	1	241005	242005	243005	244005	245005	246005
66	Key { for 25 to 1 Ratio	1	241218	242218	243218	244218	245218	246218
68	Countershaft Bearing	2	424110	424112	424000	424002	424002	424002
70	OUTPUT HUB ASSEMBLY	1	390151	390152	390153	390154	390155	390156
72	Output Hub	1	241208	242208	243208	244208	245208	246208
74	Output Gear	1	241217	242217	243217	244217	245217	246217
76	Key	2	421013	421017	421021	421025	421030	421033
78	Output Hub Snap Ring	2	241209	242209	243209	244209	245209	246209
80	Output Hub Collar with Screws	4	400094	400094	400098	400150	400154	400154
82	Output Hub Collar Screw	2	241202	242202	243202	244202	245202	246210
84	Output Hub Seal	2	424020	424022	424024	424026	424028	424030
86	TORQUE ARM ASSEMBLY	1	241097	241097	243097	243097	245097	245097
88	Rod End	1	241245	241245	243245	243245	245245	245245
90	Hex Nut	1	407093	407093	407095	407095	407097	407097
92	Turnbuckle	1	241246	241246	243246	243246	245246	245246
94	Extension	1	241247	241247	243247	243247	245247	245247
96	L.H. Hex Nut	1	407242	407242	407244	407244	407246	407246
98	Flucrum	1	241249	241249	243249	243249	245249	245249
100	Flucrum Bolt	1	411456	411456	411484	411484	411484	411484
102	Hex Nut	1	407091	407091	407093	407093	407093	407093
104	L.H. Adapter Plate	1	241241	242241	243241	244241	245241	246241
106	R.H. Adapter Plate	1	241242	242242	243242	244242	245242	246242
108	Adapter Bushing	1	242243	242243	243243	243243	245243	245243
110	Adapter Bolt	1	411412	411412	411437	411437	411460	411460
112	Lockwasher	1	419011	419011	419012	419012	419013	419013
114	Hub Nut	1	407087	407087	407089	407089	407091	407091

PARTS FOR TD 7 THRU TD 8 DOUBLE REDUCTION REDUCERS



NOTE. The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Before Ordering see page 4.

Prices are for one piece only.

Price List L533

Reference	Name of Part	No. Req'd.	TD715 & TD725 Reducers		TD815 & TD825 Reducers	
			Part No.		Part No.	
12	Backstop Assembly	1	247092		248101	
14	HOUSING ASSEMBLY *	1	390107		390108	
16	▲ Air Vent with Bushing	1	390061		390061	
18	▲ Housing Bolt	1	411498		411499	
18	▲ Adapter-Housing Bolt	2	411499		411502	
20	▲ Lockwasher	1	419016		419016	
22	▲ Plain Washer	2	419082		419082	
24	▲ Hex Nut	1	407095		407095	
26	▲ Dowel Pin	2	420128		420128	
28	▲ Housing Gasket	1	247219		248219	
30	▲ Pipe Plug	2	430035		430035	
30	▲ Magnetic Plug	1	430064		430064	
30	▲ Countershaft Bearing Cover	2	247224		248224	
31	Input Shaft Seal Carrier	1	247220		248212	
32	Carrier Cap Screw	**	411412		411408	
33	Lockwasher	**	419011		419011	
34	Carrier Gasket	2	247223		248216	
35	Backstop Carrier	1	247222		248222	
36	Carrier Cap Screw	**	411408		411408	
37	Lockwasher	**	419011		419011	
38	Backstop Cover	1	247221		248221	
39	Backstop Cover Gasket	1	246220		248220	
40	Cover Cap Screw	6	411402		411402	
41	Lockwasher	6	419009		419009	
42	Input Shaft {15 to 1 Ratio	1	247009		248009	
43	with Pinion {25 to 1 Ratio I	1	247004		248004	
43	Input Shaft Seal	1	242202		248203	
44	Input Shaft Snap Ring	1	421017		421019	
46	Input Shaft Bearing — Input End	1	390311		390314	
48	Input Shaft Bearing — Backstop End	1	390305		390315	
50	COUNTERSHAFT {for 15 to 1 Ratio	1	390122		390123	
52	ASSEMBLY * {for 25 to 1 Ratio I	1	390137		390138	
52	▲ Countershaft with Pinion	1	247006		248006	
54	▲ First Reduction {for 15 to 1 Ratio	1	247008		248008	
54	Gear {for 25 to 1 Ratio I	1	247005		248005	
56	▲ Key	1	247218		248218	
56	Countershaft Bearing	2	390312		390315	
58	OUTPUT HUB ASSEMBLY *	1	390157		390158	
60	▲ Output Hub	1	247208†		248208	
62	▲ Output Gear	1	247007		248007	
64	▲ Key	1	245217		390112	
64	▲ Output Hub Snap Ring	2	421038†	236	.....
66	Output Hub Collar <u>with Screws</u>	2	247209		248209	
68	Collar Screws	4	400190		400190	
70	Output Seal	2	247210		248210	
72	Output Hub Bearing	2	390313		390316	
74	TORQUE-ARM ASSEMBLY *	1	247098		247098	
76	▲ Rod End	1	247239		247239	
78	▲ Hex Nut	1	407099		407099	
80	▲ Turnbuckle	1	247246		247246	
80	▲ Extension	1	247240		247240	
82	▲ L.H. Hex Nut	1	407248		407248	
84	▲ Fulcrum	1	247248		247248	
86	▲ Fulcrum Bolt	1	411489		411489	
88	▲ Lockwasher	1	419014		419014	
88	▲ Hex Nut	1	407093		407093	
90	L.H. Adapter Plate	1	247241	257157	248241	
92	R.H. Adapter Plate	1	247242		248241	
94	Adapter Bushing	1	247244		247244	
96	Adapter Bolt	1	411488†		411487	
98	Lockwasher	1	419014		419014	
99	Hex Nut	1	407093		407093	

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

† The parts marked "†" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

‡ Not shown on drawing.

§ 6 required for TD715 and TD725; 9 required for TD815 and TD825.

¶ 8 required for TD715 and TD725; 11 required for TD815 and TD825.

** 6 required for TD715 and TD725; 8 required for TD815 and TD825.

‡ Approximate ratio of TD715 and TD815 reducers.

§ Approximate ratio of TD725 and TD825 reducers.

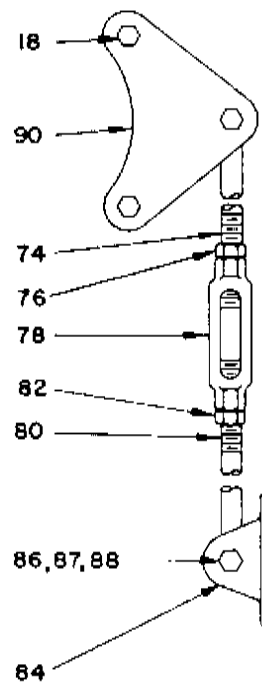
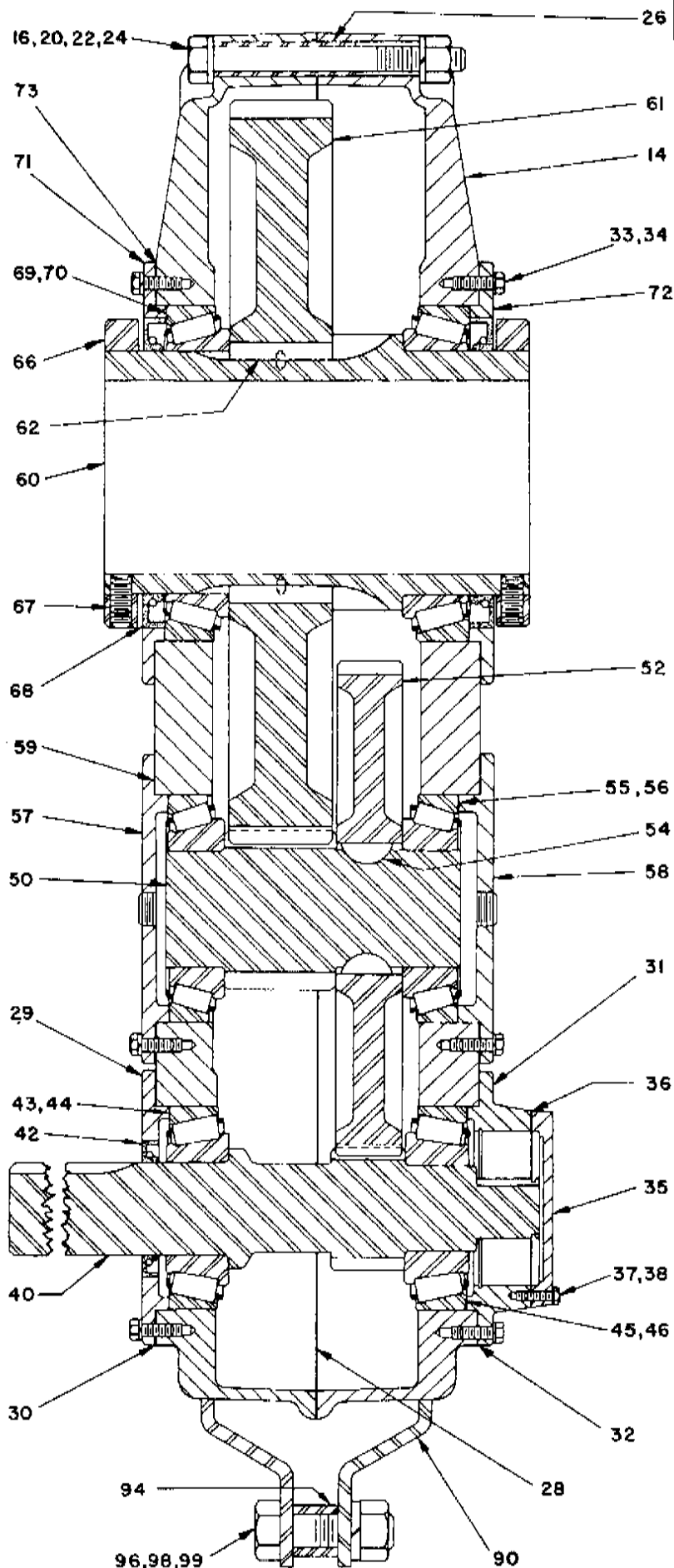
† 1 required for 25 to 1 ratio. None required for 15 to 1 ratio as shaft is shouldered. *25:1 may be shouldered too*

‡ Price on application.

§ For TD715 reducers with Serial No. 2658 and lower and TD725 reducers with Serial No. 1590 and lower, Output Hub Snap Rings must be ordered with Output Hub.

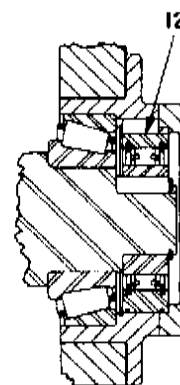
¶ For TD715 reducers with Serial No. 2658 and lower and TD725 reducers with Serial No. 1590 and lower, if new Output Hub is not ordered, specify Output Hub Snap Ring No. 390188 (\$2.20) for use with original hub.

PARTS FOR TD 9 THRU TD 10 DOUBLE REDUCTION REDUCERS

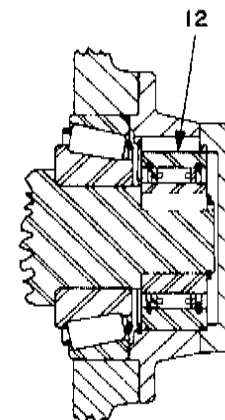


NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

#60 Hub must be replaced w/ 390159 assembly because of gear key changes



TD915 AND TD926
BACKSTOP ASSEMBLY



TD1015 AND TD1024
BACKSTOP ASSEMBLY

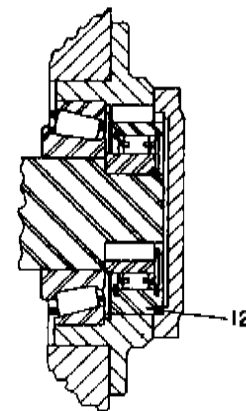
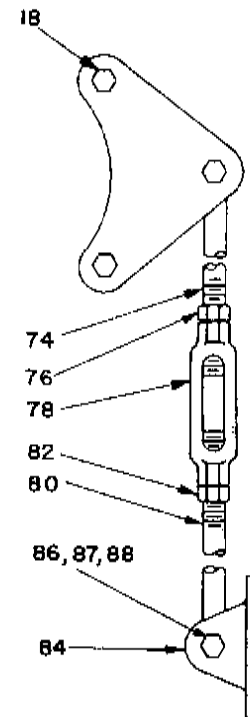
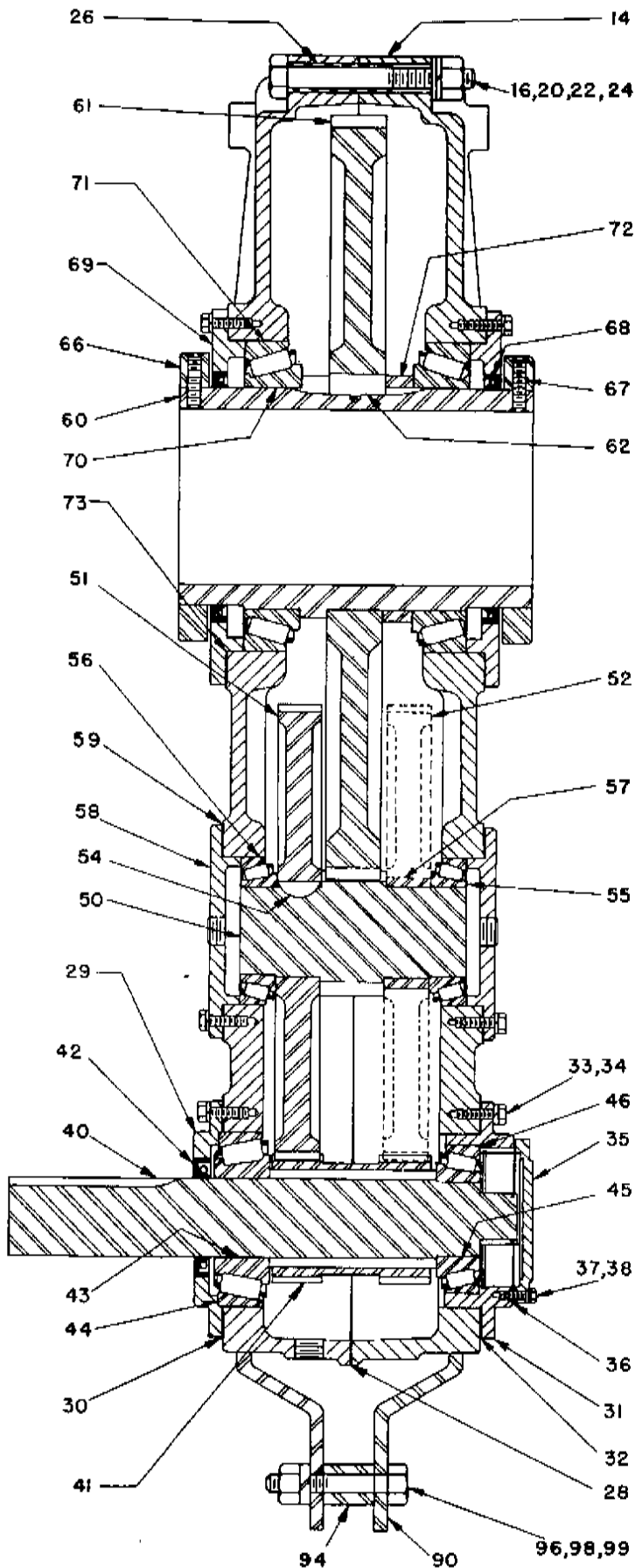
Parts for TD915, TD926, TD1015 and TD1024 Torque-Arm Speed Reducers

Before ordering see page 4.

Reference	Name of Part	TD915 & TD926 Reducers		TD1015 & TD1024 Reducers		Reference	Name of Part	No. Req'd	TD915 & TD926 Reducers		TD1015 & TD1024 Reducers	
		Part No.		Part No.					Part No.		Part No.	
12	Backstop Assembly	248101		250101		55	Countershaft Bearing Cone	2	390338		390341	
14	HOUSING	249260		250260		56	Countershaft Bearing Cup	2	390339		390702	
16	Air Vent with Bushing	411499		411500		57	Countershaft Bearing Cover—Input Side	1	249225		250323	
18	Housing Bolt	411502		411504		58	Countershaft Bearing Cover—Backstop Side	1	249224		250024	
20	Adapter—Housing Bolt	419016		419016								
22	Lockwasher	419082		419082		59	Countershaft Bearing Shim Pack	1 Set	390168		390169	
24	Plain Washer	419082		419082			.001" Thick	†	427575		427625	
26	Hex Nut	407095		407095			.002" Thick	†	427580		427628	
28	Dowel Pin	420132		420132			.003" Thick	†	427591		427632	
29	Housing Gasket	249219		250019			.010" Thick	†	427601		427636	
30	Pipe Plug	430035		430035			.025" Thick	†	427619		427640	
31	Magnetic Plug	430064		430064		60	OUTPUT HUB ASSEMBLY ★	1	390159		390160	
32	Input Shaft Seal Carrier	248211		248211		61	▲ Output Hub	1	249208		250008	
33	Input Shaft Bearing Shim Pack	390168		390168		62	▲ Output Gear	1	249007		250007	
34	.001" Thick	427575		427575			▲ Key	2	390112		390113	
35	.002" Thick	427580		427580		65	Output Hub Collar with Screws	2	249209		250009	
36	.003" Thick	427591		427591		67	Collar Screw	4	400194		400194	
37	.010" Thick	427601		427601		68	Output Hub Seal	2	249210		250010	
38	.025" Thick	427619		427619		69	Output Hub Bearing Cone	2	390334		390342	
39	Backstop Carrier	249222		250022		70	Output Hub Bearing Cup	2	390335		390343	
40	Backstop Carrier Gasket	248216		248216		71	Output Hub Seal Carrier—Input Side	1	249221		250011	
41	Carrier and Cover Screw	411408		411408		72	Output Hub Seal Carrier—Backstop Side	1	249220		250011	
42	Lockwasher	419011		419011		73	Output Hub Bearing Shim Pack	1 Set	390171		390172	
43	Backstop Cover	248221		248221			.001" Thick	†	427500		427501	
44	Backstop Cover Gasket	248220		248220			.002" Thick	†	427505		427506	
45	Cover Cap Screw	411402		411402			.003" Thick	†	427518		427519	
46	Lockwasher	419009		419009			.010" Thick	†	427530		427531	
47	Input Shaft	249009		250300			.025" Thick	†	427560		427561	
48	Input Pinion	249004		250004								
49	Input Shaft Seal	248211		248211		74	TORQUE ARM ASSEMBLY ★	1	390129		390129	
50	Input Shaft Bearing Cone—Input End	390328		390328		76	▲ Rod End	1	271050		271050	
51	Input Shaft Bearing Cup—Input End	390329		390329		78	▲ Hex Nut	1	407104		407104	
52	Input Shaft Bearing Cone—Backstop End	390336		390336		80	▲ Turnbuckle	1	271051		271051	
53	Input Shaft Bearing Cup—Backstop End	390337		390337			▲ Extension	1	271052		271052	
54	Countershaft	390124		390124		82	▲ L.H. Hex Nut	1	407250		407250	
55	Countershaft with Pinion	390139		390139		84	▲ Fulcrum	1	271054		271054	
56	Countershaft	249006		250006		86	▲ Fulcrum Screw	1	411516		411516	
57	▲ First Reduction	249008		250008		87	▲ Lockwasher	1	419020		419020	
58	Gear	249005		250005		88	▲ Hex Nut	1	407099		407099	
59	▲ Key	248218		248218		90	Adapter Plate	2	249241		250041	
						94	Adapter Bushing	1	271046		271046	
						96	Adapter Bolt	1	411510		411510	
						98	Lockwasher	1	419020		419020	
						99	Hex Nut	1	407099		407099	

★ Order parts listed immediately below marked "★". Housing Assembly also includes two-piece housing.
 ▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.
 † Not shown on drawing.
 ‡ S required for TD915 and TD926; 11 required for TD1015 and TD1024.
 § 11 Required for TD915 and TD926; 13 required for TD1015 and TD1024.
 † One set consists of one each of the shims listed immediately below marked with a dagger.
 ‡ See last paragraph under "ORDERING PARTS" on page 4.

PARTS FOR TD1125 DOUBLE REDUCTION REDUCERS



NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for No. TD1125 Dodge Torque-Arm Speed Reducer

Before ordering see "ORDERING PARTS" below.

Price List L535

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	Backstop Assembly	1	248101	\$ 330.00	55	Countershaft Bearing	4	390344	ⓐ
14	HOUSING ASSEMBLY ★	1	390111	1800.00	56	Cone (42590) ‡	4	390345	ⓐ
15	▲ Air Vent	1	271041	8.00	57	Countershaft Bearing Spacer	2	271017	\$ 12.00
16	▲ Housing Bolt	14	411499	3.40	58	Countershaft Bearing Cover	4	271016	16.00
18	▲ Adapter—Housing Bolt	2	411502	4.20	59	Countershaft Bearing Shim Pack	1 Set ‡	390170	5.25 4.6
20	▲ Lockwasher	16	419016	.10		.001" Thick (Amber)	†	427626	.60
22	▲ Plain Washer	2	419082	.10		.002" Thick (Red)	†	427629	.80
24	▲ Hex Nut	16	407095	.30		.005" Thick (Blue)	†	427633	.90
26	▲ Dowel Pin	2	420132	2.80		.010" Thick (Brown)	†	427637	1.00
28	▲ Housing Gasket	1	271029	10.00		.025" Thick (White)	†	427641	1.90
29	▲ Pipe Plug	2	430035	1.60		OUTPUT HUB ASSEMBLY ★	1	390161	1632.00
30	▲ Magnetic Plug	1	430064	2.00	60	▲ Output Hub	1	271008	472.00
29	Input Shaft Seal Carrier	1	271019	22.00	61	▲ Output Gear	1	271007	1148.00
30	Input Shaft Bearing Shim Pack	1 Set ‡	390168	5.90	62	▲ Key	3	390114	4.00
	.001" Thick (Amber)	†	427575	.80	66	Output Hub Collar with Screws	2	271009	42.00
	.002" Thick (Red)	†	427580	.90	67	Collar Screw	4	400194	.60
	.005" Thick (Blue)	†	427591	1.00	68	Output Hub Seal	2	271002	40.00
	.010" Thick (Brown)	†	427601	1.20	69	Output Hub Seal Carrier	2	271014	52.00
	.025" Thick (White)	†	427619	2.00	70	Cone (67885) ‡	2	390346	ⓐ
31	Backstop Carrier	1	271020	42.00	71	Cup (67820) ‡	2	390347	ⓐ
32	Backstop Carrier Gasket	1	248216	1.80	72	Output Hub Bearing Spacer	1	271012	26.00
33	Carrier and Cover Screw	64	411408	.20	73	Output Hub Bearing Shim Pack	1 Set ‡	390173	12.25 10.4
34	Lockwasher	64	419011	.10		.001" Thick	†	427562	1.60
35	Backstop Cover	1	248221	7.00		.002" Thick	†	427507	2.00
36	Backstop Cover Gasket	1	248220	2.00		.005" Thick	†	427520	2.10
37	Cover Cap Screw	6	411402	.20		.010" Thick	†	427532	2.30
38	Lockwasher	6	419009	.05		.025" Thick	†	427562	4.20
40	Input Shaft	1	271004	350.00		TORQUE ARM ASSEMBLY ★	1	390129	92.00
41	Input Pinion	1	271003	250.00	74	▲ Rod End	1	271050	25.60
42	Input Shaft Seal	1	248203	10.40	76	▲ Hex Nut	1	407104	1.40
	Input Shaft Bearing—Input End	1	390328	ⓐ	78	▲ Turnbuckle	1	271051	13.00
44	Cone (745A) ‡	1	390329	ⓐ	80	▲ Extension	1	271052	23.00
	Input Shaft Bearing—Backstop End	1	390330	ⓐ	82	▲ L.H. Hex Nut	1	407250	2.00
46	Cup (563) ‡	1	390331	ⓐ	84	▲ Fulcrum	1	271054	24.00
	COUNTERSHAFT ASSEMBLY, Left Hand Spiral ★	1	390126	1100.00	86	▲ Fulcrum Screw	1	411516	3.60
50	▲ Countershaft with Pinion	1	271006	420.00	87	▲ Lockwasher	1	419020	.20
51	▲ L.H. Spiral First Reduction Gear	1	271005	679.40	88	▲ Hex Nut	1	407099	.60
54	▲ Key	1	247218	.60	90	Adapter Plate	2	271049	18.00
	COUNTERSHAFT ASSEMBLY, Right Hand Spiral ★	1	390127	1100.00	94	Adapter Bushing	1	271046	5.20
50	▲ Countershaft with Pinion	1	271006	420.00	96	Adapter Bolt	1	411510	3.00
52	▲ R.H. Spiral First Reduction Gear	1	271011	679.40	98	Lockwasher	1	419020	.20
54	▲ Key	1	247218	.60	99	Hex Nut	1	407099	.60

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

‡ Timken reference number. Order by Dodge Part Number. (This permits, if desired, the purchase of Timken or equal bearing made by other manufacturers.)

ⓐ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

‡ See last paragraph under "ORDERING PARTS" following.

ⓐ Price on application.

Replacement of Parts

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Reducer can be disassembled and reassembled by careful attention to the instructions following.

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and equipment for heating bearings and gears, should be available for shrinking these parts on shafts.

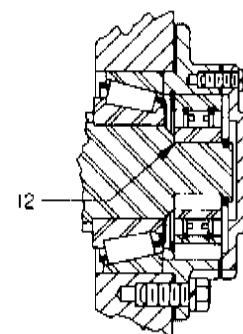
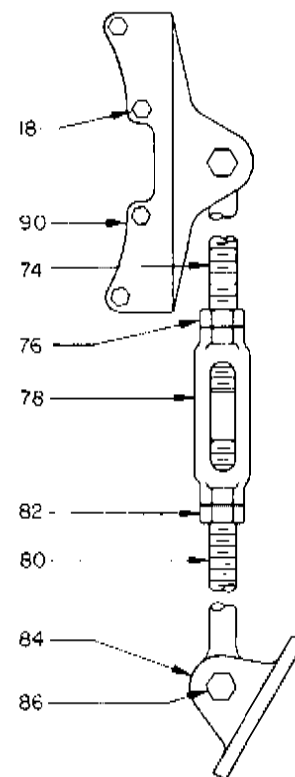
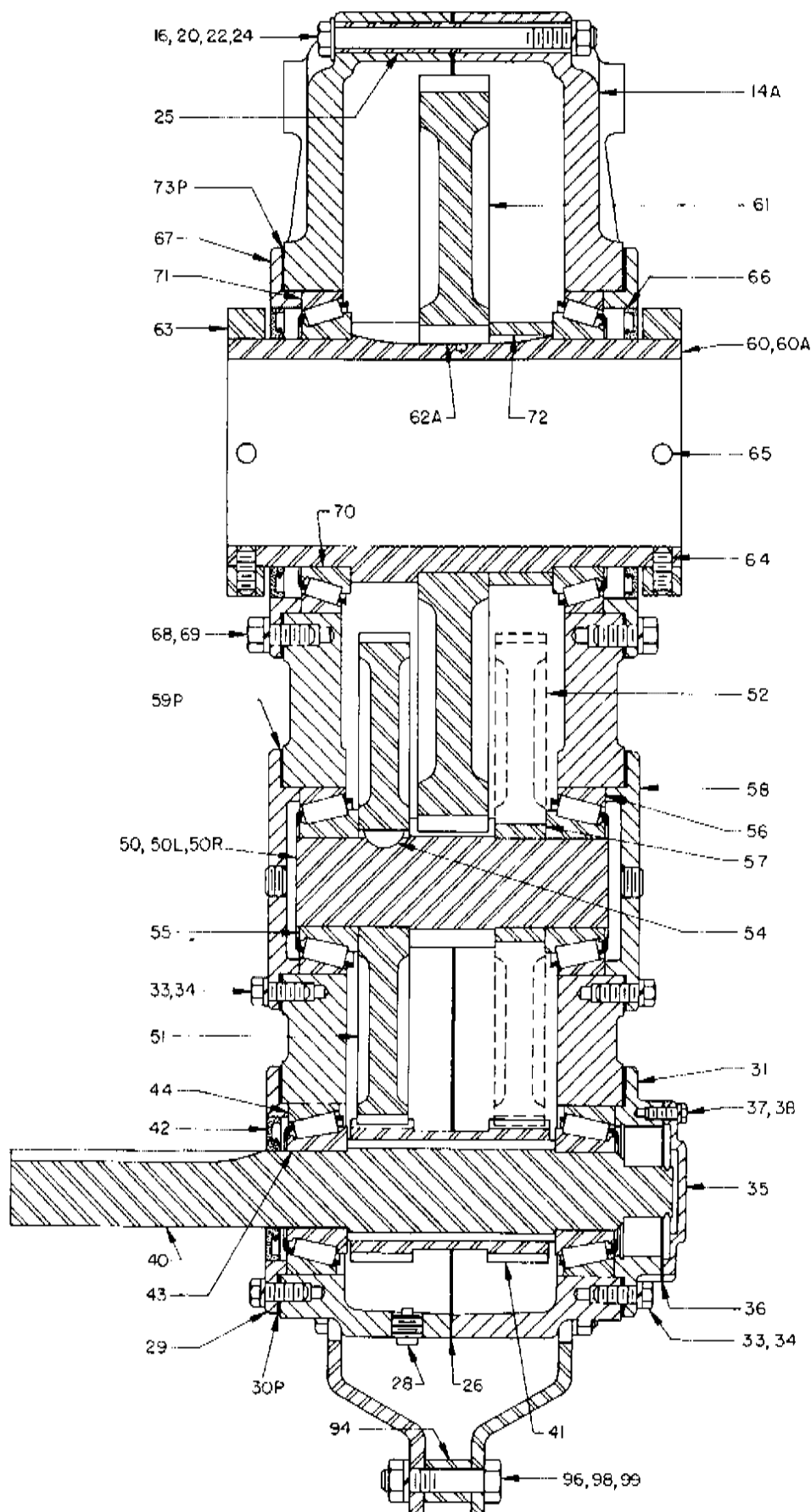
Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be used during disassembly and reassembly to avoid damage to the surface which the seals rub on.

The keyseat in the input shaft as well as the six holes in the output hub should be covered with scotch tape or paper before disassembly or reassembly. Also be careful to remove any burrs or nicks on surfaces of input shaft and output hub before disassembly or reassembly.

ORDERING PARTS:

When ordering parts for reducer specify Reducer Size No., Reducer Serial No., part name



NOTE: The two digit numbers are for reference use. Order parts by the six digit part numbers in the Parts List whenever possible. Each six digit number is a complete identification of the part or assembly.

Parts for No. TD1225 Dodge Torque-Arm Speed Reducer

Before ordering see "ORDERING PARTS" below.

Reference	Name of Part	No. Req'd.	Part No.
12	Backstop Assembly	1	250101
14A	HOUSING ASSEMBLY ★	1	↓
§	▲ Air Vent	1	271041
16	▲ Housing Bolt	12	411506
18	▲ Adapter Housing Bolt	4	411508
20	▲ Lockwasher	16	419016
22	▲ Plain Washer	2	419082
24	▲ Hex Nut	16	407095
25	▲ Dowel Pin	2	420132
26	▲ Housing Gasket	1	272029
§	▲ Pipe Plug	2	430035
28	▲ Magnetic Plug	1	430064
29	Input Shaft Seal Carrier	1	272019
30P	Input Shaft Bearing Shim Pack	1 Set †	↓ 392150
	.002" Thick	†	427582
	.005" Thick	†	427596
	.010" Thick	†	427603
	.025" Thick	†	427622
31	Backstop Carrier	1	272020
33	Carrier and Cover Screw	48	411483
34	Lockwasher	48	419014
35	Backstop Cover	1	248221
36	Backstop Cover Gasket	1	248220
37	Cover Cap Screw	6	411402
38	Lockwasher	6	419009
40	Input Shaft	1	272004
41	Input Pinion	1	272003
42	Input Shaft Seal	1	272211
43	Input Shaft Bearing Cone, 6484	2	390451
44	Input Shaft Bearing Cup, 6420	2	390452
50L	COUNTERSHAFT ASSEMBLY, Left Hand Spiral ★	1	↓
50	▲ Countershaft with Pinion	1	272006
51	▲ L.H. Spiral First Reduction Gear	1	272005
54	▲ Key	1	248218
50R	COUNTERSHAFT ASSEMBLY, Right Hand Spiral ★	1	↓
50	▲ Countershaft with Pinion	1	272006
52	▲ R.H. Spiral First Reduction Gear	1	272011
54	▲ Key	1	248218
55	Countershaft Bearing Cone, 6575	4	390453
56	Countershaft Bearing Cup, 6535	4	390454
57	Countershaft Bearing Spacer	2	272017
58	Countershaft Bearing Cover	4	272016

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

§ Not shown on drawing.

59P	Countershaft Bearing Shim Pack	1 Set †	↓ 392151
	.002" Thick	†	427630
	.005" Thick	†	427646
	.010" Thick	†	427638
	.025" Thick	†	427647
60A	OUTPUT HUB ASSEMBLY ★	1	↓
	6½" Bore	1	↓
	6¾" Bore	1	↓
	6" Bore	1	↓
	5¾" Bore	1	↓
	5½" Bore	1	↓
60	▲ Output Hub	1	272008
	6½" Bore	1	272022
	6¾" Bore	1	272023
	6" Bore	1	272024
	5¾" Bore	1	272025
	5½" Bore	1	272007
61	▲ Output Gear	1	↓
62A	▲ Key	3	↓
63	Output Hub Collar	2	272009
64	Key Set Screw	2	400198
	5¾" Bore	2	400194
	5½" to 6½" Bore	2	400202
65	Shaft Set Screw	2	400198
	5¾" to 6" Bore	2	400194
	6¾" Bore	2	400194
66	Output Hub Seal	2	272010
67	Output Hub Seal Carrier	2	272014
68	Carrier Screw	16	411493
69	Lockwasher	16	419016
70	Output Hub Bearing Cone, 67893	2	390455
71	Output Hub Bearing Cup, 67920	2	390456
72	Output Hub Bearing Spacer	1	272012
73P	Output Hub Bearing Shim Pack	1 Set †	↓ 392152
	.002" Thick	†	427504
	.005" Thick	†	427524
	.010" Thick	†	427535
	.025" Thick	†	427565
74	Rod End	1	272050
76	Hex Nut	1	407108
78	Turnbuckle	1	272051
80	Extension	1	272052
82	L.H. Hex Nut	1	407251
84	Fulcrum	1	272054
85	Fulcrum Screw	1	411524
90	Adapter Plate	2	272049
94	Adapter Bushing	1	272046
96	Adapter Bolt	1	411520
98	Lockwasher	2	419024
99	Hex Nut	2	407104

† One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" following.

↓ Use reference number when ordering.

Replacement of Parts

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Reducer can be disassembled and reassembled by careful attention to the instructions following.

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and equipment for heating bearings and gears, should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be used during disassembly and reassembly to avoid damage to the surface which the seals rub on.

The keyseat in the input shaft as well as the six holes in the output hub should be covered with scotch tape or paper before disassembly or reassembly. Also be careful to remove any burrs or nicks on surfaces of input shaft and output hub before disassembly or reassembly.

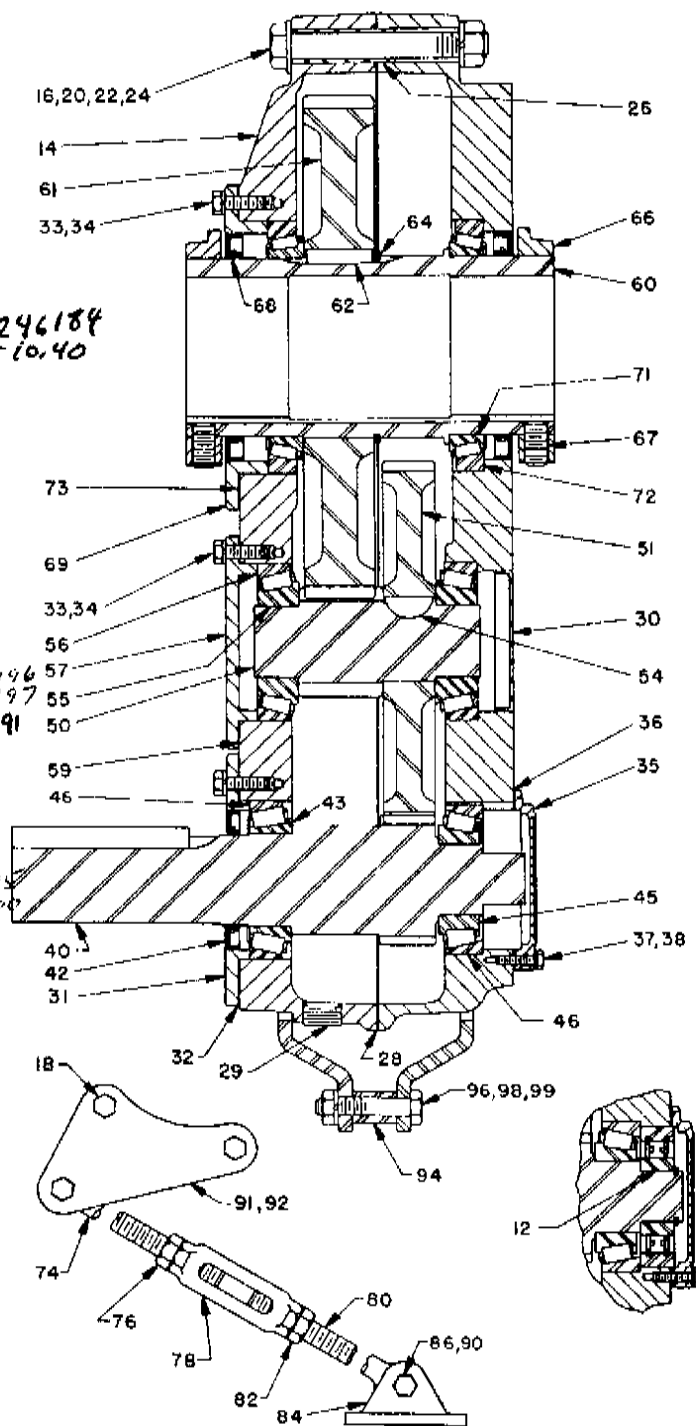
ORDERING PARTS:

When ordering parts for reducer specify Reducer Size No., Reducer Serial No., part name, part num.

Parts for Nos. TD615A and TD625A Speed Reducers
Price List L718

Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	Backstop Assembly	1	246092	\$182.00
14	HOUSING ASSEMBLY*	1	390476	300.00
16	▲ Air Vent	1	245237	2.00
18	▲ Housing Bolt	6	411466	1.20
20	▲ Adapter — Housing Bolt	2	411468	1.20
22	▲ Lockwasher	8	419013	.10
22	▲ Plain Washer	2	419096	.20
24	▲ Hex Nut	8	407091	.10
26	▲ Dowel Pin	2	420112	1.60
28	▲ Housing Gasket	1	246219	3.00
29	▲ Pipe Plug	2	430033	1.00
30	▲ Magnetic Plug	1	430062	1.20
30	▲ Countershaft Bearing Cover — Backstop Side	1	244224	.80
31	Input Shaft Seal Carrier	1	246320	10.00
32	Input Shaft Bearing Shim Pack	1 Set †	390474	3.60
	.002" Thick	†	427675	.40
	.005" Thick	†	427676	.60
	.010" Thick	†	427677	1.00
	.025" Thick	†	427678	1.60
33	Carrier and Cover Screw	18	411408	.20
34	Lockwasher	18	419011	.10
35	Backstop Cover	1	246221	6.00
36	Backstop Cover Gasket	1	246220	1.20
37	Cover Screw	6	411404	.20
38	Lockwasher	6	419009	.05
40	Input Shaft {for 15 to 1 Ratio ■	1	246370	126.00
	with Pinion {for 25 to 1 Ratio ■	1	246371	124.00
42	Input Shaft Seal	1	242202	8.25
43	Input Shaft Bearing Cone — Input End	1	390445	40.246
45	Input Shaft Brg. Cone — Backstop End	1	390446	40.2197
46	Input Shaft Bearing Cup	2	390687	40.2091
50	COUNTERSHAFT {for 15 to 1 Ratio ■	1	390477	178.20
	ASSEMBLY* {for 25 to 1 Ratio ■	1	390479	181.20
51	▲ Countershaft with Pinion	1	246306	80.00
	▲ First Reduction {for 15 to 1 Ratio ■	1	246008	97.80
	Gear {for 25 to 1 Ratio ■	1	246005	100.80
54	▲ Key	1	245218	.40
55	Countershaft Bearing Cone	2	390447	40.2197
56	Countershaft Bearing Cup	2	390377	40.300
57	Countershaft Brg. Cover — Input Side	1	246373	10.00
59	Countershaft Bearing Shim Pack	1 Set †	390480	3.80
	.002" Thick	†	427679	.50
	.005" Thick	†	427680	.70
	.010" Thick	†	427681	1.10
	.025" Thick	†	427682	1.50
60	OUTPUT HUB ASSEMBLY*	1	390478	259.20
61	▲ Output Hub	1	246308	80.00
62	▲ Output Gear	1	246007	176.80
64	▲ Key	1	245217	1.20
	▲ Snap Ring	1	421033	1.80
66	Output Hub Collar with Screws	2	246309	14.40
67	Collar Screw	4	400154	.50
68	Output Hub Seal	2	246302	18.20
69	Output Hub Seal Carrier	1	246314	20.00
71	Output Hub Bearing Cone	2	390448	40.2197
72	Output Hub Bearing Cup	2	390449	40.2197
73	Output Hub Bearing Shim Pack	1 Set †	390481	5.00
	.002" Thick	†	427683	.80
	.005" Thick	†	427684	1.00
	.010" Thick	†	427685	1.40
	.025" Thick	†	427686	1.80
74	TORQUE ARM ASSEMBLY*	1	245097	32.00
	▲ Rod End	1	245245	8.60
76	▲ Hex Nut	1	407097	.40
78	▲ Turnbuckle	1	245246	9.40
80	▲ Extension	1	245247	9.00
82	▲ L. H. Hex Nut	1	407246	.60
84	▲ Fulcrum	1	246249	4.20
86	▲ Fulcrum Bolt	1	411484	.60
90	▲ Hex Nut	1	407093	.20
91	L. H. Adapter Plate	1	246241	6.20
92	R. H. Adapter Plate	1	246242	6.20
94	Adapter Bushing	1	245243	2.00
96	Adapter Bolt	1	411460	.70
98	Lockwasher	1	419013	.10
99	Hex Nut	1	407091	.10

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.



* Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" on reverse side.

□ Price on application.

■ Approximate ratio of TD615A reducer.

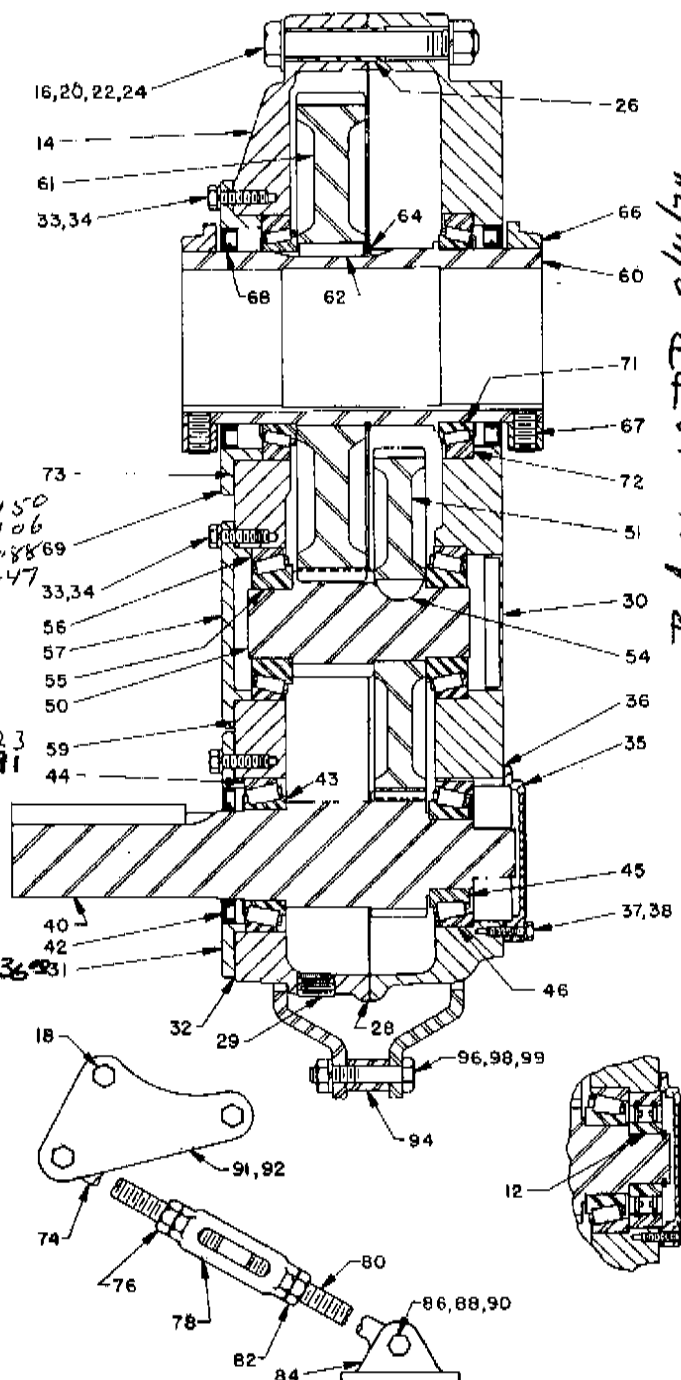
▣ Approximate ratio of TD625A reducer.

IMPORTANT NOTICE: Because of the possible danger to person(s) or property from accidents which may result from the use of products, it is important that correct procedures be followed. Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other safety devices or procedures as may be desirable or specified in safety codes should be provided, and are neither provided by Dodge, Inc. are the responsibility of Dodge.

Parts for Nos. TD715A and TD725A Speed Reducers
Price List L672

Reference	Name of Part	No. Req'd	Part No.	Price Each
12	Backstop Assembly	1	247092	\$224.00
14	HOUSING ASSEMBLY *	1	390436	420.00
16	▲ Air Vent with Bushing	1	390061	2.80
18	▲ Housing Bolt	6	411498	2.00
20	▲ Adapter — Housing Bolt	2	411499	3.40
22	▲ Lockwasher	8	419016	.10
24	▲ Plain Washer	2	419082	.10
26	▲ Hex Nut	8	407095	.30
28	▲ Dowel Pin	2	420128	1.80
30	▲ Housing Gasket	1	247219	5.00
32	▲ Pipe Plug	2	430035	1.60
34	▲ Magnetic Plug	1	430064	2.00
36	▲ Countershaft Bearing Cover — Backstop Side	1	246224	1.20
38	Input Shaft Seal Carrier	1	247320	14.00
40	Input Shaft Bearing Shim Pack	1 Set †	390420	4.00
42	.002" Thick (Red)	†	427578	.50
44	.005" Thick (Blue)	†	427584	.70
46	.010" Thick (Brown)	†	427604	1.10
48	.025" Thick (White)	†	427618	1.70
50	Carrier and Cover Screw	20	411433	.30
52	Lockwasher	20	419012	.10
54	Backstop Cover	1	247221	6.40
56	Backstop Cover Gasket	1	246220	1.20
58	Cover Screw	6	411402	.20
60	Lockwasher	6	419009	.05
62	Input Shaft {for 15 to 1 Ratio ■	1	247370	150.00
64	with Pinion {for 25 to 1 Ratio ■	1	247371	147.00
66	Input Shaft Seal	1	242202	8.20
68	Input Shaft Bearing Cone—Input End	1	390373	402.150
70	Input Shaft Bearing Cup —Input End	1	390385	403.106
72	Input Shaft Brg. Cone—Backstop End	1	390437	402.088
74	Input Shaft Brg. Cup —Backstop End	1	390438	403.047
76	COUNTERSHAFT {for 15 to 1 Ratio ■	1	390428	247.00
78	ASSEMBLY ★ {for 25 to 1 Ratio ■	1	390430	250.00
80	▲ Countershaft with Pinion	1	247372	106.00
82	▲ First Reduction {for 15 to 1 Ratio ■	1	247008	140.40
84	Gear {for 25 to 1 Ratio ■	1	247005	143.40
86	▲ Key	1	247218	.60
88	Countershaft Bearing Cone	2	390430	402.123
90	Countershaft Bearing Cup	2	390687	403.091
92	Countershaft Brg. Cover—Input Side	1	247374	14.00
94	Countershaft Bearing Shim Pack	1 Set †	390429	4.20
96	.002" Thick (Red)	†	427690	.60
98	.005" Thick (Blue)	†	427691	.80
100	.010" Thick (Brown)	†	427692	1.20
102	.025" Thick (White)	†	427693	1.60
104	OUTPUT HUB ASSEMBLY ★	1	390388	342.00
106	▲ Output Hub	1	247308	106.00
108	▲ Output Gear	1	247007	232.80
110	▲ Key	1	245217	1.20
112	▲ Snap Ring	1	421038	2.00
114	Output Hub Collar with Screws	2	247309	17.00
116	Collar Screw	4	400190	.60
118	Output Hub Seal	2	247302	20.00
120	Output Hub Seal Carrier	1	247310	28.00
122	Output Hub Bearing Cone	2	390439	402.100
124	Output Hub Bearing Cup	2	390440	403.100
126	Output Hub Bearing Shim Pack	1 Set †	390444	5.60
128	.002" Thick (Red)	†	427525	.90
130	.005" Thick (Blue)	†	427527	1.10
132	.010" Thick (Brown)	†	427528	1.60
134	.025" Thick (White)	†	427558	2.00
136	TORQUE ARM ASSEMBLY ★	1	247098	42.40
138	▲ Rod End	1	247239	11.20
140	▲ Hex Nut	1	407099	.60
142	▲ Turnbuckle	1	247246	10.00
144	▲ Extension	1	247240	10.00
146	▲ L. H. Hex Nut	1	407248	.80
148	▲ Fulcrum	1	247248	8.00
150	▲ Fulcrum Bolt	1	411489	1.50
152	▲ Lockwasher	1	419014	.10
154	▲ Hex Nut	1	407093	.20
156	L. H. Adapter Plate	1	247241	7.00
158	R. H. Adapter Plate	1	247242	7.00
160	Adapter Bushing	1	247244	3.00
162	Adapter Bolt	1	411485	.90
164	Lockwasher	1	419014	.10
166	Hex Nut	1	407093	.20

IMPORTANT NOTICE: Because of the possible danger to person(s) or property from accidents which may result from the use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by Dodge nor are the responsibility of Dodge.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger

† See last paragraph under "ORDERING PARTS" on reverse side.

□ Price on application.

■ Approximate ratio of TD715A reducer.

✚ Approximate ratio of TD725A reducer

SEAL KIT

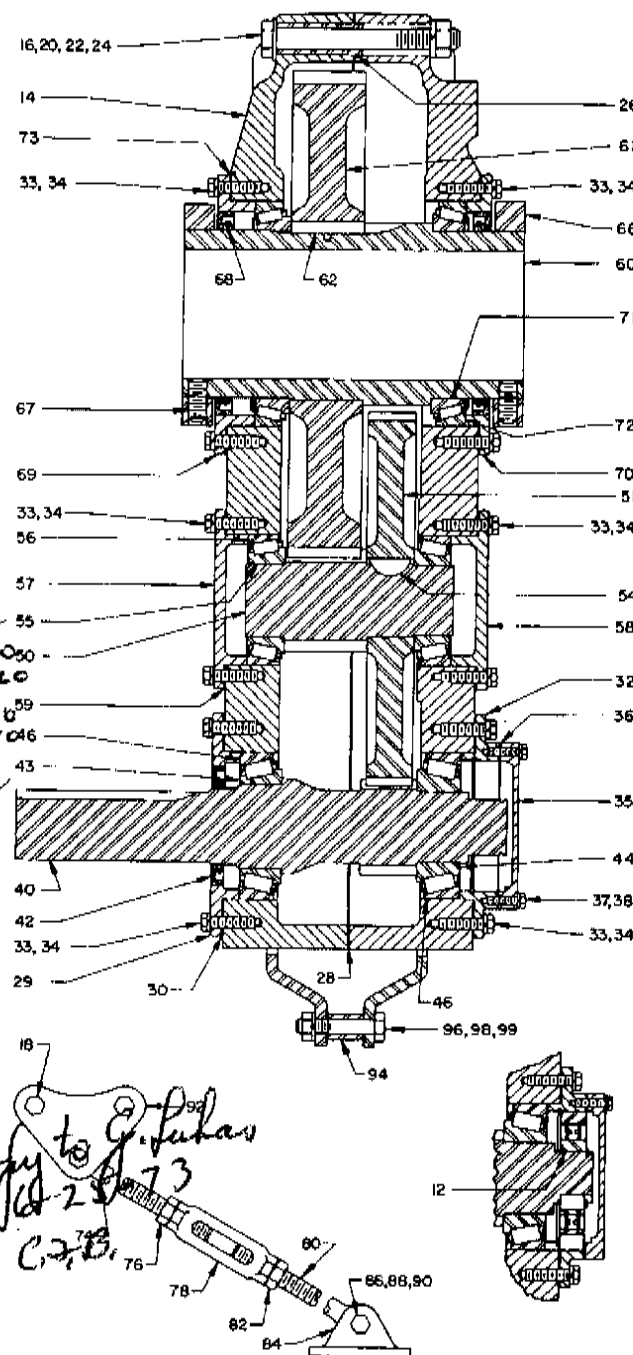
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Parts for Nos. TD815A and TD825A Speed Reducers
Price List L685

Reference	Name of Part	No. Req'd	Part No.	Price
12	Backstop Assembly	1	248101	\$330.00
14	HOUSING ASSEMBLY*	1	390416	520.00
14	▲ Air Vent with Bushing	1	390061	2.80
16	▲ Housing Bolt	9	411499	3.40
18	▲ Adapter Housing Bolt	2	411502	4.20
20	▲ Lockwasher	11	419016	.10
22	▲ Plain Washer	2	419082	.10
24	▲ Hex Nut	11	407095	.30
26	▲ Dowel Pin	2	420128	1.80
28	▲ Housing Gasket	1	248219	6.00
28	▲ Pipe Plug	2	430035	1.65
28	▲ Magnetic Plug	1	430064	2.00
29	Input Shaft Seal Carrier	1	258023	18.00
30	Input Shaft Bearing Shim Pack	1 Set †	390038	4.40
	.002" Thick	†	427579	.60
	.005" Thick	†	427595	.80
	.010" Thick	†	427602	1.20
	.025" Thick	†	427621	1.80
32	Backstop Carrier	1	258022	40.00
33	Carrier and Cover Screw	48	411408	.20
34	Lockwasher	48	419011	.10
35	Backstop Cover	1	248221	7.00
36	Backstop Cover Gasket	1	248220	2.00
37	Cover Cap Screw	6	411402	.20
38	Lockwasher	6	419009	.05
40	Input Shaft (for 15 to 1 Ratio)	1	248370	206.00
	with Pinion (for 25 to 1 Ratio)	1	248371	203.00
42	Input Shaft Seal	1	248203	10.40
43	Input Shaft Bearing—Input End	1	390352	402.098
	Cone (566) ‡	1	390352	
44	Input Shaft Bearing—Backstop End	1	390330	402.097
	Cone (565) ‡	1	390330	
46	Input Shaft Bearing Cup (563) ‡	2	390331	403.072
	248213			
	COUNTERSHAFT (for 15 to 1 Ratio)	1	390417	440.00
	ASSEMBLY* (for 25 to 1 Ratio)	1	390418	341.20
50	▲ Countershaft with Pinion	1	248372	136.00
51	▲ First Reduction Gear (for 15 to 1 Ratio)	1	248373	203.00
	for 25 to 1 Ratio	1	248374	206.00
54	▲ Key	1	248218	.80
55	Countershaft Bearing Cone (39585) ‡	2	390332	402.148
56	Countershaft Bearing Cup (39520) ‡	2	390333	403.06
57	Countershaft Brg. Cover—Input End	1	248374	14.00
58	Countershaft Bearing Cover—Backstop End	1	248373	16.00
59	Countershaft Bearing Shim Pack	1 Set †	390419	5.20
	.002" Thick	†	427627	.80
	.005" Thick	†	427631	1.00
	.010" Thick	†	427645	1.40
	.025" Thick	†	427639	2.00
60	OUTPUT HUB ASSEMBLY*	1	390039	493.20
61	▲ Output Hub	1	258013	140.00
62	▲ Output Gear	1	258008	350.00
	▲ Key	1	390112	3.20
66	Output Hub Collar with Screws	2	248209	22.40
67	Collar Screw	4	400190	.60
68	Output Hub Seal	2	258004	26.00
69	Output Hub Seal Carrier—Input End	1	258021	32.00
70	Output Hub Seal Carrier—Backstop End	1	258020	34.00
71	Output Hub Bearing Cone (36690) ‡	2	390353	402.147
72	Output Hub Bearing Cup (36620) ‡	2	390354	403.105
73	Output Hub Bearing Shim Pack	1 Set †	390048	6.40
	.002" Thick	†	427509	1.00
	.005" Thick	†	427523	1.20
	.010" Thick	†	427534	1.80
	.025" Thick	†	427564	2.20
74	TORQUE ARM ASSEMBLY*	1	247098	42.40
76	▲ Rod End	1	247239	11.20
78	▲ Hex Nut	1	407099	.60
80	▲ Turnbuckle	1	247246	10.00
	▲ Extension	1	247240	10.00
82	▲ L.H. Hex Nut	1	407248	.80
84	▲ Fulcrum	1	247248	8.00
86	▲ Fulcrum Bolt	1	411489	1.50
88	▲ Lockwasher	1	419014	.10
90	▲ Hex Nut	1	407093	.20
92	Adapter Plate	2	248241	10.00
94	Adapter Bushing	1	247244	3.00
96	Adapter Bolt	1	411487	1.10
98	Lockwasher	1	419014	.10
99	Hex Nut	1	407093	.20

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit

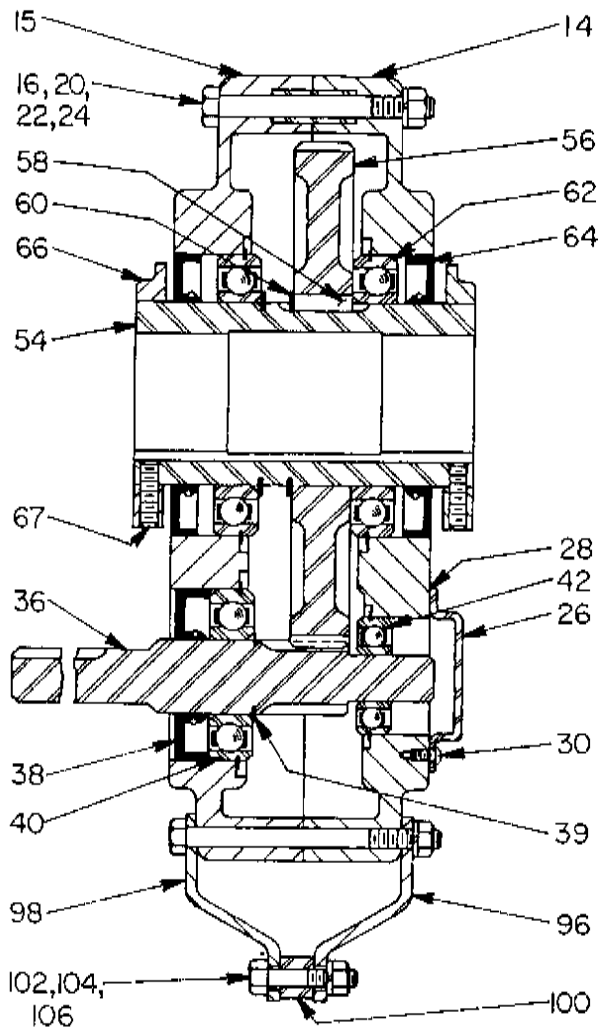
IMPORTANT NOTICE: Because of the possible danger to person(s) or property from accidents which may result from the use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures may be desirable or as may be specified in safety codes should be provided, and are neither provided by Dodge nor are the responsibility of Dodge.



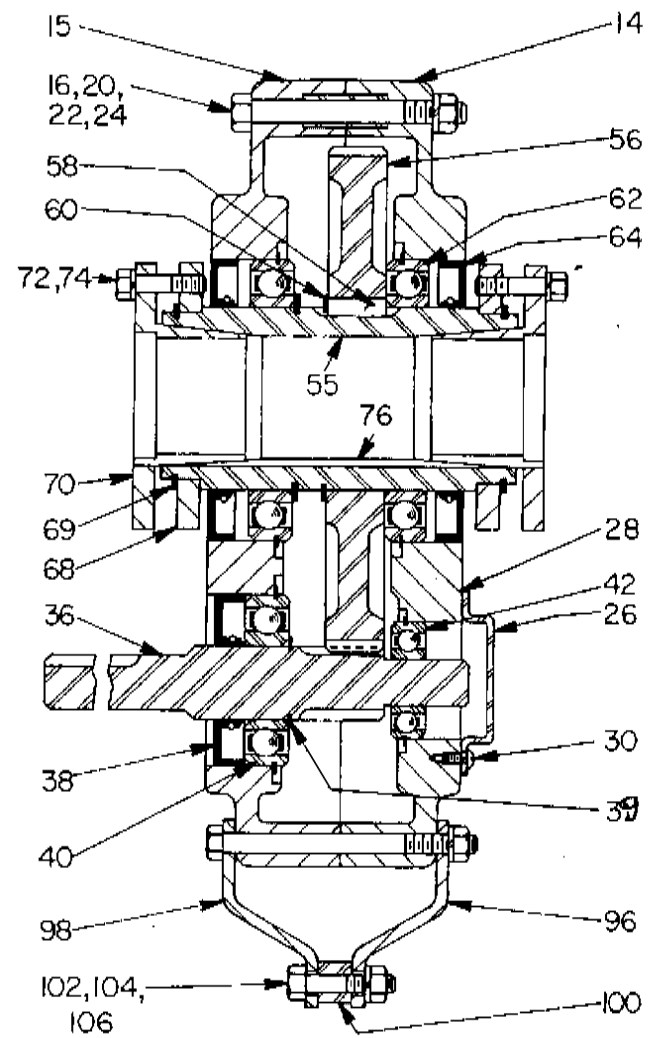
- ‡ Timken reference number. Order by Dodge Part Number. (This permits, if desired, the purchase of Timken or equal bearing made by other manufacturers.)
- * Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.
- ▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.
- ‡ Not shown on drawing.
- † One set consists of one each of the shims listed immediately below marked with a dagger.
- † See last paragraph under "ORDERING PARTS" on reverse side.
- ☐ Price on application.
- ☐ Approximate ratio of TD815A reducer.
- ☐ Approximate ratio of TD825A reducer.

number is a complete identification of the pr

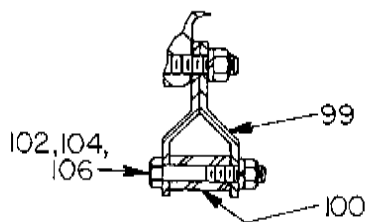
PARTS FOR T11 thru T15 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



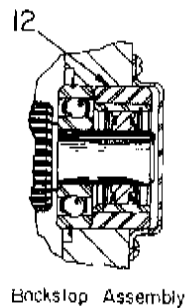
Straight Bore



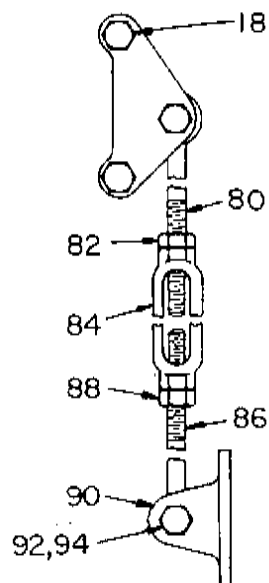
Taper Bushed



Adapter Plate Assembly



Backstop Assembly



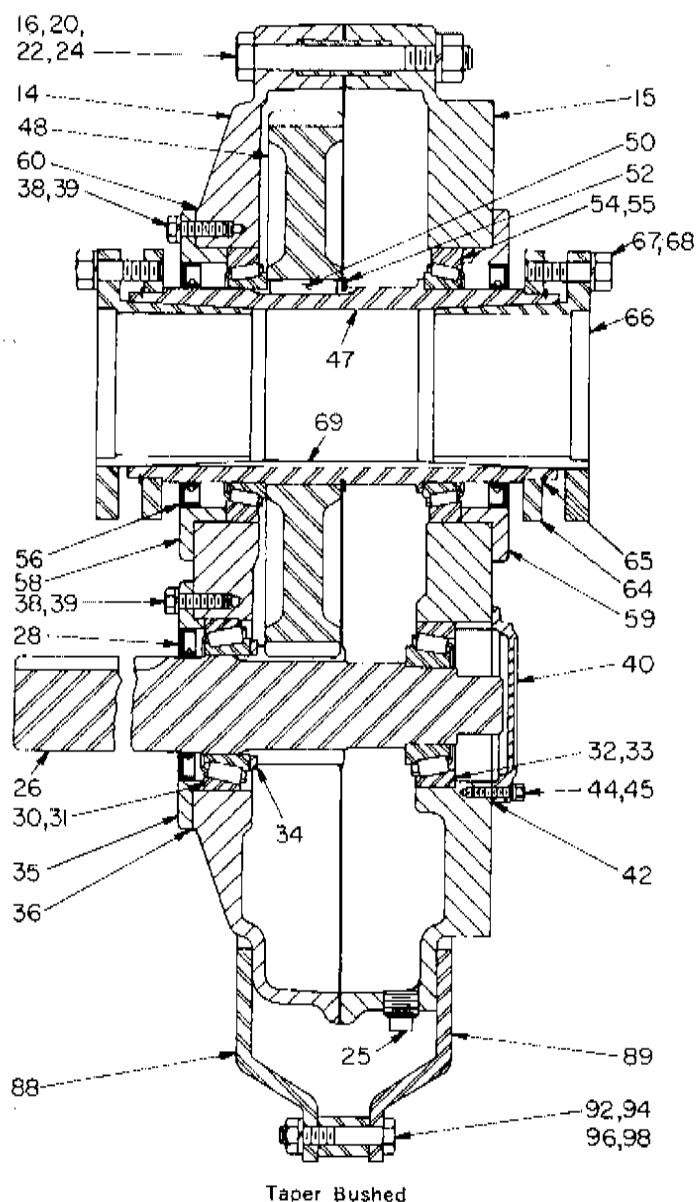
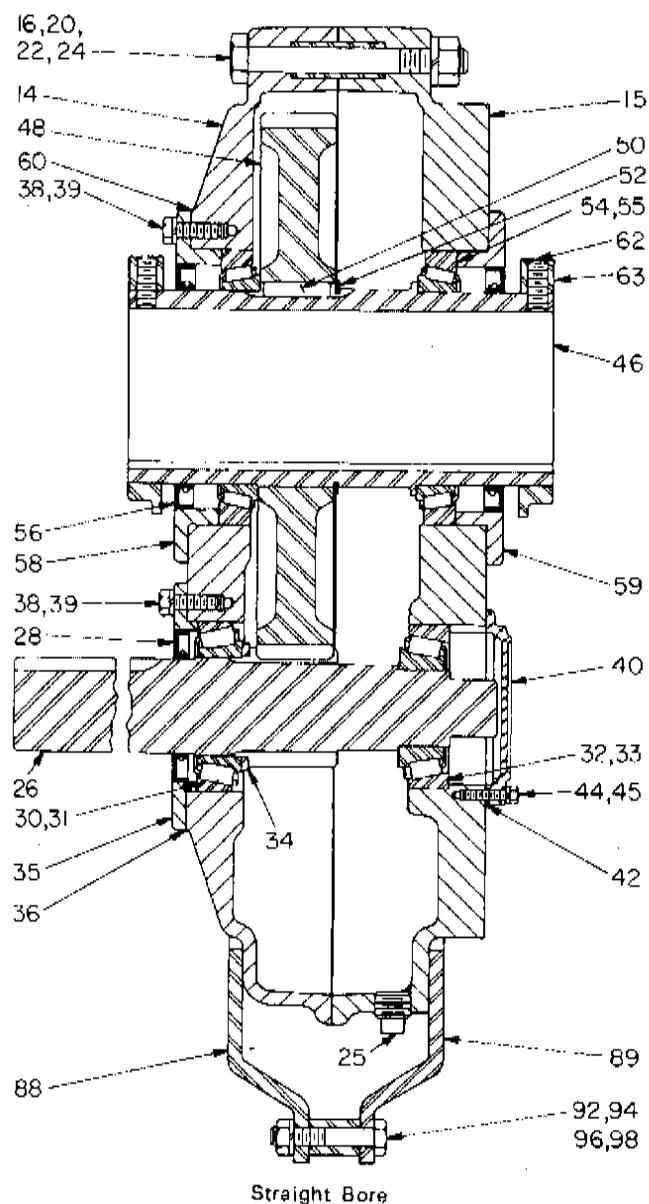
Torque-Arm Assembly

Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

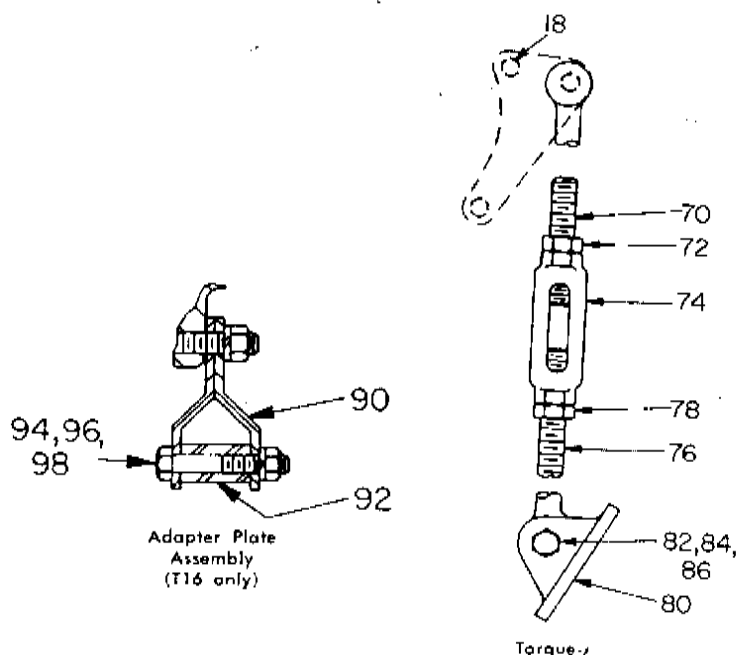
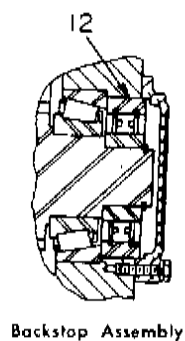
* Includes parts listed immediately below marked "▲". T11 and T15 also include two piece housing.
▲ Parts marked "▲" make up the assemblies under which they are listed.
‡ Not shown on drawing.
† 4 req'd. on T11; 5 req'd. on T12; 6 req'd. on T13, T14 & T15.
‡ 6 req'd. on T11; 7 req'd. on T12; 8 req'd. on T13, T14 & T15.

▲ On size — T11 for 1½" and 1¾" bores; T14 for 1⅝" and 2" bores.

PARTS FOR T16 and T17 STRAIGHT BORE & TAPER BUSHED SPEED REDUCERS



Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.



Reference	Name of Part	No. Req'd.	T16 Part No.	T17 Part No.	Reference	Name of Part	No. Req'd.	T16 Part No.	T17 Part No.
12	Backstop Assembly	1	246092	247260					
14	HOUSING ASSEMBLY ★	1	391189	391202					
15	▲ Left Housing Half	1	.....	257041					
16	▲ Right Housing Half	1	.....	257042					
17	▲ Air Vent	1	245237	390061					
18	▲ Housing Bolt	6	411466	411498					
19	▲ Adapter Housing Bolt	2	411468	411499					
20	▲ Washer	2	419096	419082					
21	▲ Lockwasher	8	419013	419016					
22	▲ Hex Nut	8	407091	407095					
23	▲ Dowel Pin	2	420112	420128					
24	▲ Pipe Plug	2	430033	430035					
25	▲ Magnetic Plug	1	430062	430064					
26*	Housing Gasket *	1	246219	247219					
27*	Input Shaft with Pinion	1	256028	257044					
28*	Input Shaft Key	1	443113	443127					
29*	Input Shaft Seal	1	256032	242202					
30*	Input Shaft Bearing — Input Side	1	391979	391964					
31*	Cup	1	390333	391972					
32*	Input Shaft Bearing — Backstop Side	1	390450	391981					
33*	Cup	1	391980	391982					
34*	Input Bearing Spacer — Input Side	1	256030	.....				
35	Input Shaft Seal Carrier	1	246184	257045					
36*	Input Shaft Bearing Shim Pack	2 Set *	391164	390420					
	.002" Thick	†	427478	427578					
	.005" Thick	†	427479	427584					
	.010" Thick	†	427480	427604					
	.025" Thick	†	427481	427618					
38	Carrier Screw	②	411408	411433					
39	Lockwasher	②	419011	419012					
40	Backstop Cover	1	246221	247221					
42	Backstop Cover Gasket	1	246220	246220					
44	Backstop Cover Screw	6	411404	411402					
45	Lockwasher	6	419009	419009					
46*	OUTPUT HUB ASSEMBLY ★	1	390988	390990					
47*	Straight Bore	1	390935	390941					
48*	Taper Bushed	1	246338	247338					
49*	▲ Output Hub (Straight Bore)	1	246269	272137					
50*	▲ Output Hub (Taper Bushed)	1	246295	247215					
51*	▲ Output Gear	2	245217	245217					
52*	▲ Output Gear Key	1	421033	421038					
53*	▲ Output Hub Snap Ring	1	.....	.....			
54*	Output Hub Key † (Max. Bore)	1	443135	443147					
55*	Output Hub Bearing	2	391935	391962					
56*	Cone	2	391936	390666					
57*	Cup	2	246310	247302					
58	Output Hub Seal	1	246187	247315					
59	Output Hub Seal Carrier —	1	246186	247315					
60*	Input Side	1	.....	.....			
61*	Backstop Side	1	.....	.....			
62*	Output Hub Brg. Shim Pack	2 Set *	391187	390444					
	.002" Thick	†	427470	427525					
	.005" Thick	†	427471	427527					
	.010" Thick	†	427472	427528					
	.025" Thick	†	427473	427558					
63	Collar Screw	4	400154	400190					
64	Output Hub Collar	2	246309	247309					
65	Bushing Back-up Plate	2	246270	272138					
66	Retaining Ring	2	421055	421099					
67	▲ Bushing Screw	6	411435	411456					
68	▲ Lockwasher	6	419012	419013					
69	▲ Key, Bushing to Shaft	1	443211	443211					
70	▲ Key, Bushing to Output Hub	1	443212	443212					
71	1 1/8" thru 2 1/2" Bore	1	.....	.....			
72	2 1/8" thru 3" Bore	1	.....	.....			
73	TORQUE-ARM ASSEMBLY ★	1	246097	247098					
74	▲ Rod End	1	245245	247239					
75	▲ Hex Nut	1	407097	407099					
76	▲ Turnbuckle	1	245246	247246					
77	▲ Extension	1	245247	247240					
78	▲ L.H. Hex Nut	1	407246	407248					
79	▲ Fulcrum	1	247248	247248					
80	▲ Fulcrum Bolt	1	411489	411489					
81	▲ Lockwasher	1	419014	419014					
82	▲ Hex Nut	1	407093	407093					
83	ADAPTER ASSEMBLY ★	1	.....	.....			
84	▲ Adapter Plate — R.H.	1	.....	247242					
85	▲ Adapter Plate — L.H.	1	.....	247241					
86	▲ Adapter Plate Assembly	1	256096	.....				
87	▲ Adapter Bushing	1	245243	247244					
88	▲ Adapter Bolt	1	411460	411488					
89	▲ Lockwasher	1	419013	419014					
90	▲ Hex Nut	1	407093	407093					

★ Includes parts listed immediately below marked "A". T16 housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.
 ▲ Parts marked "A" make up the assemblies under which they are listed.
 † Not shown on drawing.
 ‡ For reducers originally supplied with gaskets only.
 ② 18 req'd. on size T16; 22 req'd. on size T17.
 * One set consists of one each of the shims listed immediately below marked "†".
 † See last paragraph under "ORDERING PARTS".
 ‡ Straight Bore Only.
 ▲ Taper Bushed Only.
 * Recommended spare parts.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Speed Reducer can be disassembled and reassembled by careful attention to the instructions following:

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press and

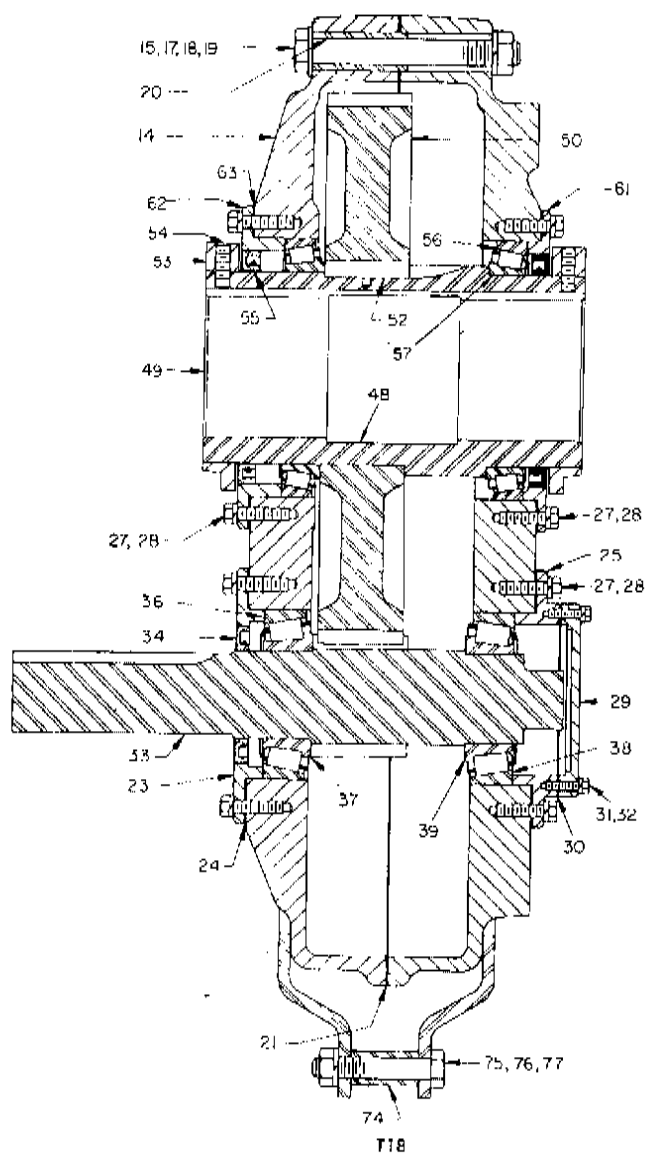
equipment for heating bearings and gears should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who, for any reason, desire factory service.

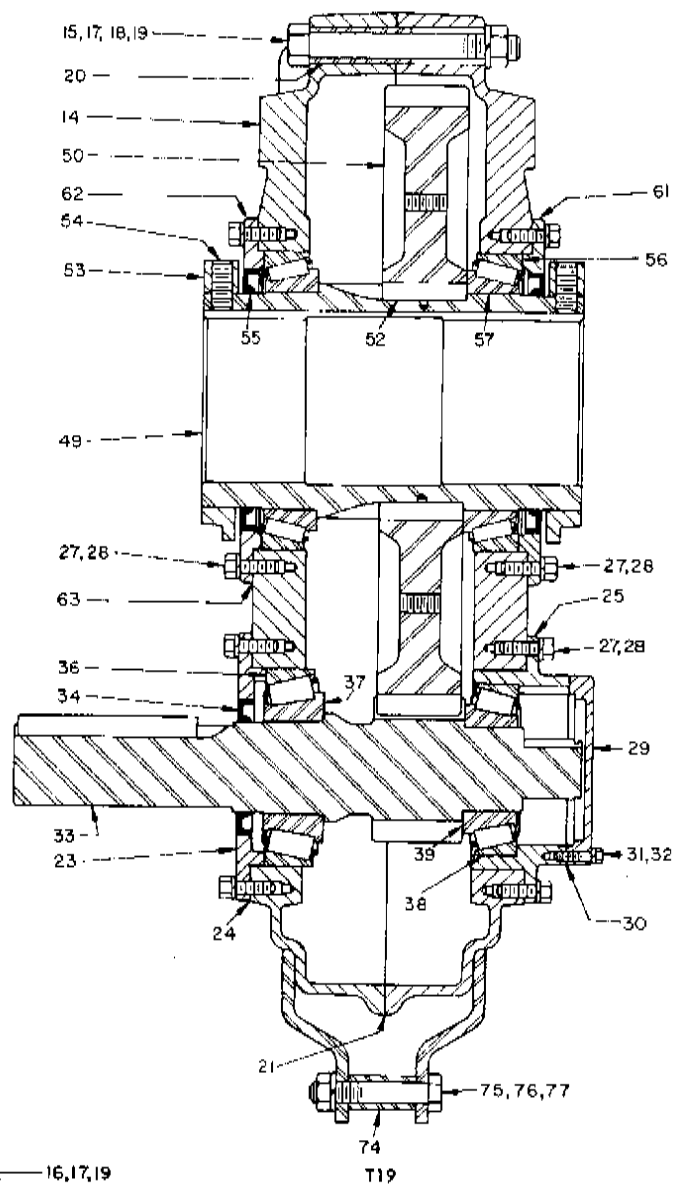
The oil seals are of the rubbing type and considerable care should be exercised during disassembly and reassembly to avoid damage to surfaces which the seals rub on.

PARTS FOR T18 and T19 STRAIGHT BORE SPEED REDUCERS

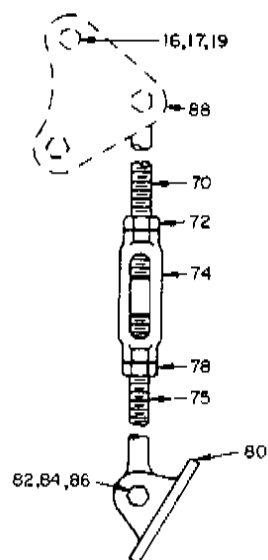
NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.



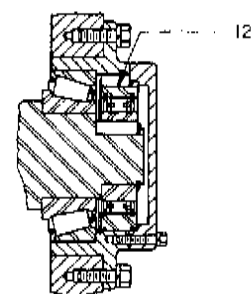
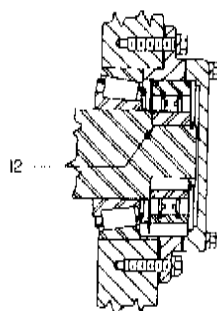
T18 Backstop Assembly



T19 Backstop Assembly



Torque-Arm Assembly



Reference	Name of Part	No. Req'd.	T18 Part No.	T19 Part No.	Reference	Name of Part	No. Req'd.	T18 Part No.	T19 Part No.
12	Backstop Assembly	1	246092	247260	61*	Output Hub Brg. Shim Pack	⊗ Set ‡	24118	390171
14	HOUSING ASSEMBLY *	1	391204	391206		.002" Thick	†	427470	427505
▲	Air Vent with Bushing	1	390061	390061		.005" Thick	†	427471	427518
15	▲ Housing Bolt	9	411499	411499		.010" Thick	†	427472	427530
16	▲ Adapter — Housing Bolt	2	411502	411502		.025" Thick	†	427473	427560
17	▲ Lockwasher	11	419016	419016	62	Output Hub Collar †	2	246209	247309
18	▲ Plain Washer	2	419082	419082	63	Collar Screw †	4	400190	249209
19	▲ Hex Nut	11	407095	407095	64	Bushing Back-up Plate †	2	272037	272082
20	▲ Dowel Pin	2	420128	420128	65	Retaining Ring †	†	421098	421097
21*	▲ Housing Gasket	1	248219	249219					
▲	Pipe Plug	†	430035	430035	66	BUSHING ASSEMBLY *			
▲	Magnetic Plug	1	430064	430064					
23	Input Shaft Seal Carrier	1	258034	249211					
24*	Input Shaft Shim Pack	⊗ ‡	390038	390168					
	.002" Thick	†	427579	427580					
	.005" Thick	†	427595	427591					
	.010" Thick	†	427602	427601					
	.025" Thick	†	427621	427619					
25	Backstop Carrier	1	258036	259035					
27	Carrier Screw	32	411408	411408					
28	Lockwasher	32	419011	419011					
29	Backstop Cover	1	248221	259037					
30	Backstop Cover Gasket	1	248220	259038					
31	Backstop Cover Screw	6	411402	411402					
32	Lockwasher	6	419009	419009					
33*	Input Shaft with Pinion	1	258033	259034					
34*	Input Shaft Seal	1	248203	248203					
▲	Input Shaft Key	1	443133	443133					
36*	Input Shaft Bearing — Input Side	1	391985	390329					
37*	Cup	1	391983	390328					
	Input Shaft Bearing — Backstop Side	1	391985	391856					
38*	Cup	1	391984	391830					
39*	Cone	1							
	OUTPUT HUB ASSEMBLY *								
	Taper Bushed	1							
	Straight Bore	1	390993	390159					
48*	▲ Output Hub (Taper Bushed)	1	272036	272081					
49*	▲ Output Hub (Straight Bore)	1	248332	249208					
50*	▲ Output Gear	1	248215	249007					
52*	▲ Output Gear Key & Roll Pin	2	390112	390112					
54*	Output Hub Seal	2	258004	249202					
	Output Hub Seal Carrier								
55	Input Side	1	258021	249221					
56	Backstop Side	1	258020	249220					
	Output Hub Bearing								
57*	Cone	2	390353	390334					
58*	Cup	2	390354	390335					

* Includes parts listed immediately below marked "▲". T16 housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.

▲ Parts marked "▲" make up the assemblies under which they are listed.

† Not shown on drawing.

⊗ 1 set req'd. for T18; 2 sets req'd. for T19.

⊗ 2 sets req'd. for T18; 1 set req'd. for T19.

‡ One set consists of one each of the shims listed immediately below marked "†".

† See last paragraph under "ORDERING PARTS".

† Straight Bore Only.

† Taper Bushed Only.

† 2 req'd. on size T18; 4 req'd. on size T19.

† For 2 1/8" & 3 1/8" Bore on T18 and 3 1/8" & 4 1/8" Bore on T19.

* Recommended spare parts.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Speed Reducer can be disassembled and reassembled by careful attention to the instructions following:

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press and

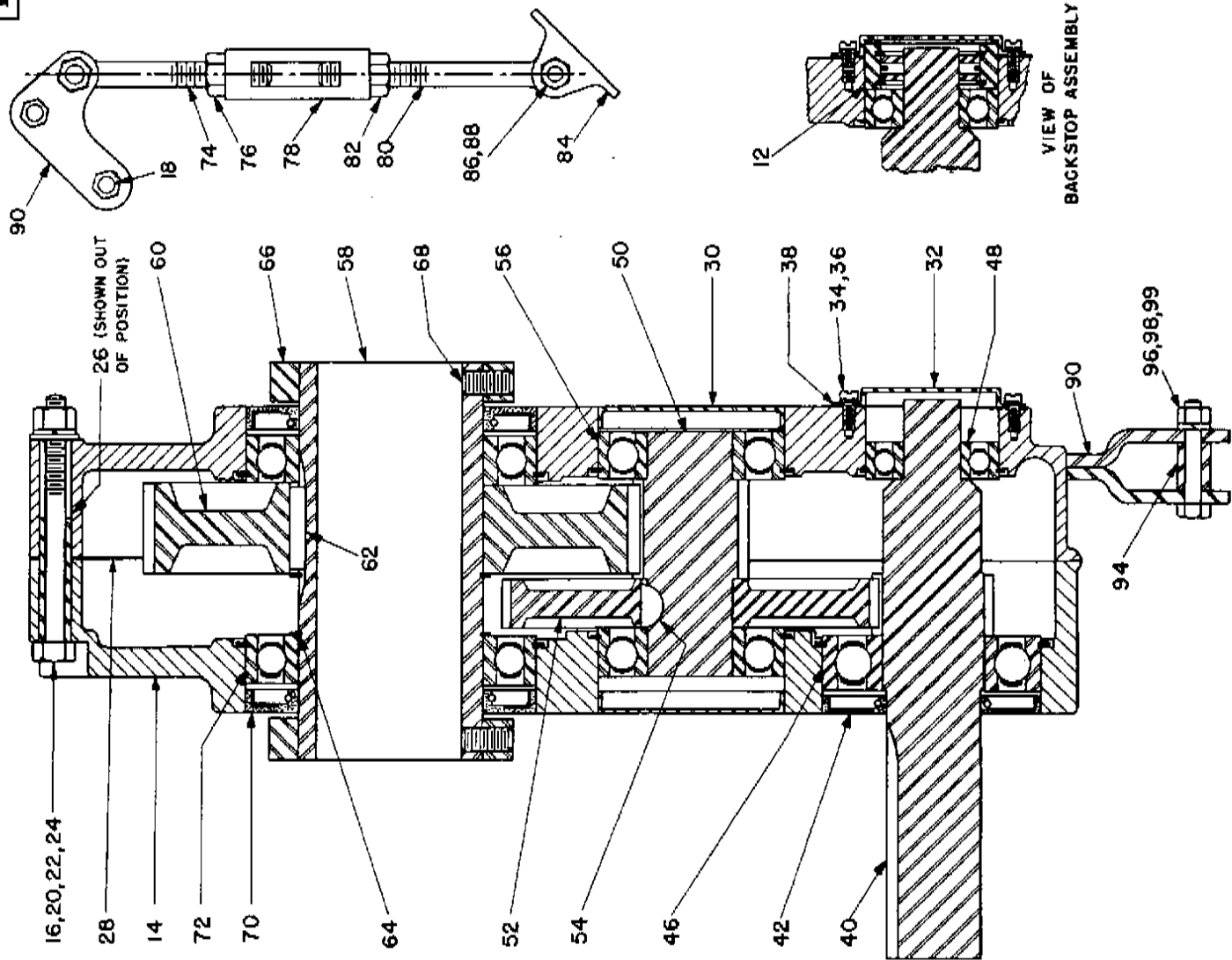
equipment for heating bearings and gears should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who, for any reason, desire factory service.

The oil seals are of the rubbing type and considerable care should be exercised during disassembly and reassembly to avoid damage to surfaces which the seals rub on.

**PARTS FOR NUMBER 1 THRU 6
TORQUE ARM REDUCERS**

NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.



Reference	Name of Part	No. Req'd.	No. 1 Reducer		No. 2 Reducer		No. 3 Reducer		No. 4 Reducer		No. 5 Reducer		No. 6 Reducer	
			Part No.	No.	Part No.	No.	Part No.	No.	Part No.	No.	Part No.	No.	Part No.	No.
12	Backstop Assembly	1	241101		242101		242101		244101		244131		246101	
14	HOUSING ASSEMBLY ★	1	390001		241237		241237		241237		390005		390006	
16	▲ Air Vent	1	241237		411418		411440		411442		411466		245237	
18	▲ Housing Bolt	1	411418		411422		411444		411448		411468		411466	
20	▲ Torque Arm—Housing Bolt	2	411422		411422		411444		411448		411468		411466	
22	▲ Lockwasher	1	419011		419011		419012		419012		419013		419013	
24	▲ Hex Nut	1	407087		407087		407089		407089		407091		407091	
26	▲ Plain Washer	2	419092		419092		419094		419094		419096		419096	
28	▲ Torque Arm Bushing	1	251035		251035		253035		253035		253035		253035	
30	▲ Dowel Pin	2	420089		420089		420103		420103		420112		420112	
32	▲ Housing Gasket	1	241219		242219		243219		244219		245219		246219	
34	▲ Pipe Plug	2	430031		430031		430031		430031		430033		430033	
36	▲ Magnetic Plug	1	430060		430060		430060		430060		430062		430062	
38	▲ Countershaft Bearing Cover	2	241224		242224		243224		244224		355060		246322	
40	▲ Backstop Cover	1	241221		242221		243021		253021		253021		246021	
42	▲ Backstop Cover Screw	4	415022		415022		415022		415022		415022		416542	
44	▲ Lockwasher	4	241220		242220		243220		244220		245220		419009	
46	▲ Backstop Cover Gasket	1	241220		242220		243220		244220		245220		390070	
48	Input Shaft with Pinion	1	390031		390032		390033		390034		390035		390036	
50	Input Shaft Seal	1	241203		242203		243203		244203		245203		246211	
52	Input Shaft Bearing—Input End	1	390277		390282		390287		390293		390299		390305	
54	Input Shaft Bearing—Backstop End	1	390278		390277		390277		390282		390282		390299	
56	COUNTERSHAFT ASSEMBLY ★	1	390011		390012		390013		390014		390015		390016	
58	▲ Countershaft with Pinion	1	241006		241006		241006		241006		241006		241006	
60	▲ First Reduction Gear	1	390041		390042		390043		390044		390045		390046	
62	▲ Key	1	241218		241218		241218		241218		241218		245218	
64	Countershaft Bearing	2	390278		390283		390288		390295		390302		390308	
66	OUTPUT HUB ASSEMBLY ★	1	390051		390072		390073		390074		390075		390076	
68	▲ Output Hub	1	241208		242208		243208		244208		245208		246208	
70	▲ Output Gear	1	241007		252008		253008		254008		255008		256008	
72	▲ Key	1	241217		242217		243217		244217		245217		246217	
74	▲ Output Hub Snap Ring	2	421013		421017		421021		421025		421030		421033	
76	Output Hub Collar with Screws	2	241209		242209		243209		244209		245209		246209	
78	Collar Screw	4	400062		400094		400098		400150		400154		400154	
80	Output Hub Seal	2	241202		242202		243202		244202		245202		246210	
82	Output Hub Bearing	2	390279		390284		390289		390296		390300		390307	
84	TORQUE ARM ASSEMBLY ★	1	241097		241097		243097		243097		245097		245097	
86	▲ Red End	1	241245		241245		243245		243245		245245		245245	
88	▲ Hex Nut	1	407093		407093		407095		407095		407097		407097	
90	▲ Turnbuckle	1	241246		241246		243246		243246		245246		245246	
92	▲ Extension	1	241247		241247		243247		243247		245247		245247	
94	▲ L.H. Hex Nut	1	407242		407242		407244		407244		407246		407246	
96	▲ Fulcrum	1	241249		241249		243249		243249		245249		246249	
98	▲ Fulcrum Bolt	1	411456		411456		411484		411484		411484		411484	
99	▲ Hex Nut	1	407091		407091		407093		407093		407093		407093	
99	Adapter	1	255096		255096		255096		255096		255096		255096	
99	Adapter Bushing	1	245243		245243		245243		245243		245243		245243	
99	Adapter Bolt	1	411460		411460		411460		411460		411460		411460	
99	Lockwasher	1	419013		419013		419013		419013		419013		419013	
99	Hex Nut	1	407091		407091		407091		407091		407091		407091	

★ Includes parts listed immediately below marked "★". Housing Assembly also includes two-piece housing.
 ▲ The parts marked "▲" make up the assembly under which they are listed. Housing Assembly also includes two-piece housing.
 ✖ These assemblies are no longer available.

✖ Not shown on drawing.
 ▲ Five required on No. 1; six on No. 2; seven on Nos. 3, 4, 5 and 6.
 ✖ Six required on No. 1; seven on No. 2; eight on Nos. 3, 4, 5 and 6.

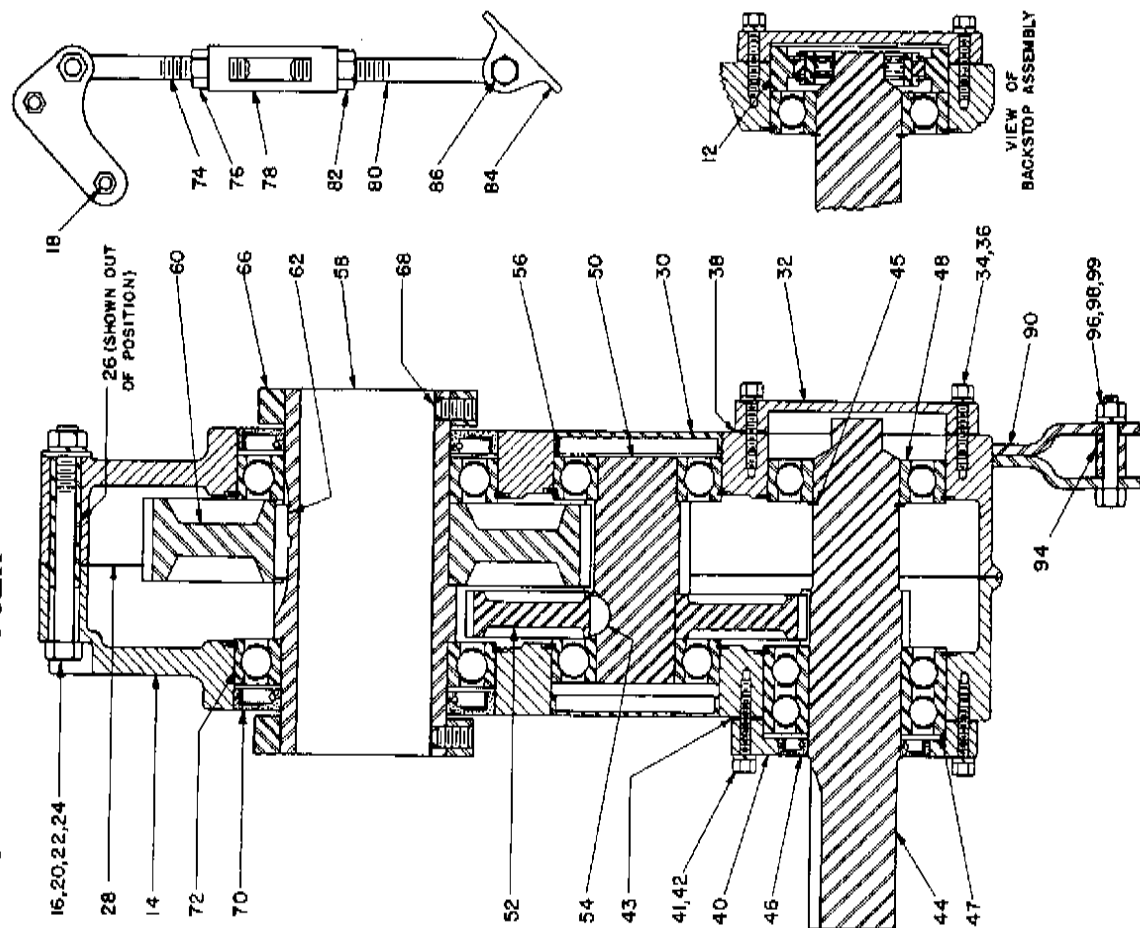
PARTS FOR NUMBER 7 TORQUE ARM REDUCER

Before ordering see over.

Price List LS44

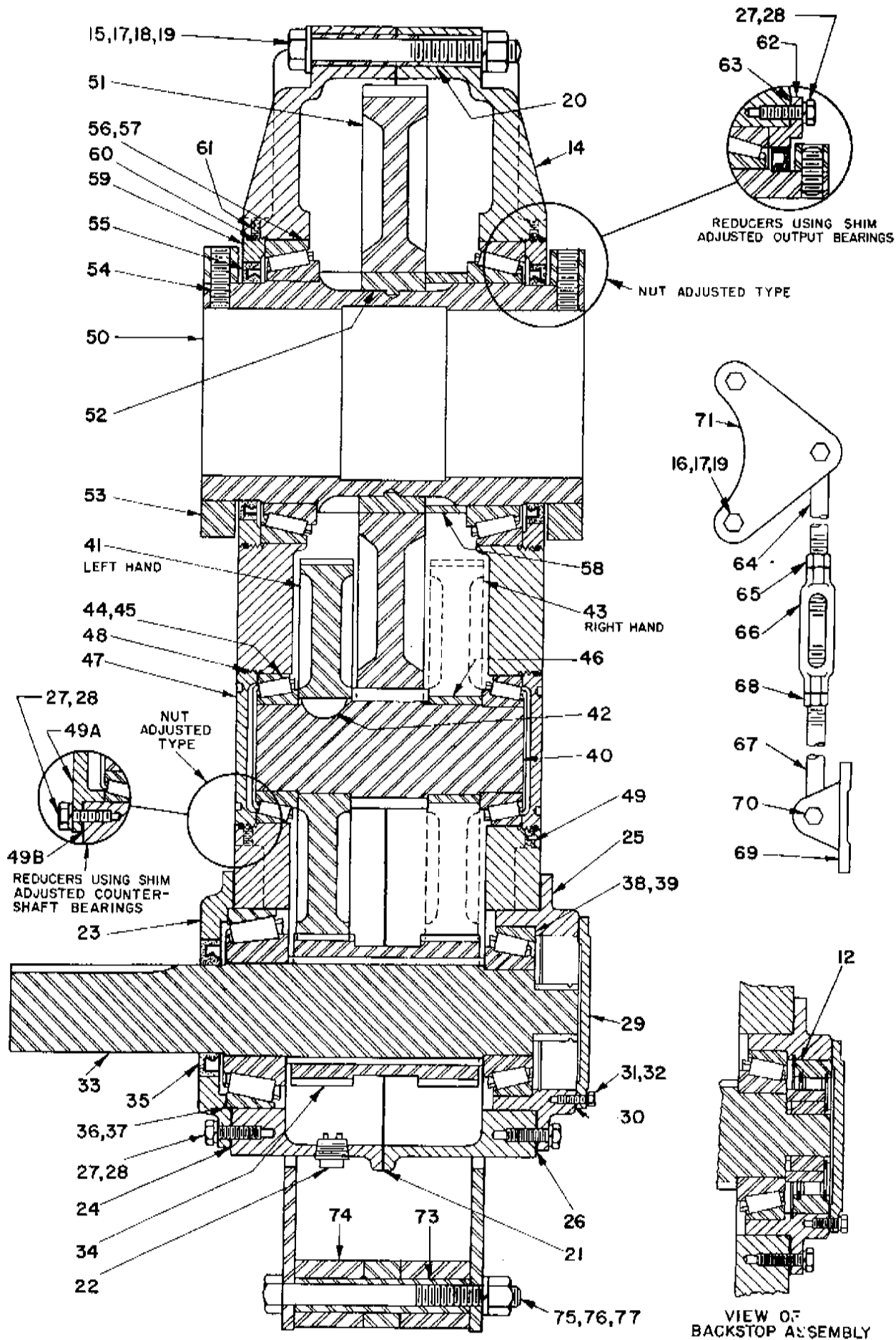
Refer- ence	Name of Part	No. Req'd	Part No.
12	Backstop Assembly	1	247101
14	HOUSING ASSEMBLY ★	1	390007
16	▲ Air Vent with Bushing	1	390061
18	▲ Housing Bolt	6	411498
20	▲ Adapter-Housing Bolt	2	411499
22	▲ Lockwasher	8	419016
24	▲ Plate Washer	2	419082
26	▲ Hex Nut	8	407095
28	▲ Dowel Pin	2	420132
30	▲ Housing Gasket	1	247219
32	▲ Pipe Plug	2	430035
34	▲ Magnetic Plug	1	430064
36	▲ Countershaft Bearing Cover	2	248224
38	▲ Backstop Cover	1	247021
40	▲ Backstop Cover Screw	6	411412
42	▲ Lockwasher	6	419011
44	▲ Backstop Cover Gasket	1	390071
46	Input Shaft Seal	1	247013
48	Carrier Screw	6	411412
50	Lockwasher	6	419011
52	Carrier Gasket	1	247223
54	Input Shaft with Pinion	1	390037
56	Input Shaft Snap Ring	1	390064
58	Input Shaft Seal	1	242202
60	Input Shaft Bearing-Input End (45313X1A)★	1	390311
62	Input Shaft Bearing-Backstop End (43312X1A)★	1	390395
64	COUNTERSHAFT ASSEMBLY ★	1	390017
66	▲ Countershaft with Pinion	1	390057
68	▲ First Reduction Gear	1	390047
70	▲ Key	1	248218
72	Countershaft Bearing (43313X1A)★	2	390313
74	OUTPUT HUB ASSEMBLY ★	1	390077
76	▲ Output Hub	1	247010
78	▲ Output Gear	1	390062
80	▲ Key	1	390063
82	Output Hub Collar with Screws	2	247209
84	Coilair Screw	4	400190
86	Output Hub Seal	2	247210
88	Output Hub Bearing (43126X1A)★	2	390313
90	TORQUE ARM ASSEMBLY ★	1	247397
92	▲ Rod End	1	247245
94	▲ Hex Nut	1	407099
96	▲ Turnbuckle	1	247246
98	▲ Extension	1	247247
100	▲ L.H. Hex Nut	1	407248
102	▲ Fulcrum	1	247248
104	▲ Fulcrum Bolt	1	411489
106	▲ Lockwasher	1	419014
108	▲ Hex Nut	1	407093
110	Adapter	1	247154
112	Adapter Bushing	1	247243
114	Adapter Bolt	1	411485
116	Lockwasher	1	419014
118	Hex Nut	1	407093

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.



★ Includes parts listed immediately below marked "★". Housing Assembly also includes two-piece housing.
 ▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.
 † Not shown on drawing.
 ‡ The bearing numbers given in the column headed "Part No." are Dodge part numbers. With the bearing numbers are given the corresponding New Departure numbers to permit the purchase, if desired, of New Departure or equivalent bearings made by other bearing manufacturers.
 § Price on application.

PARTS FOR NUMBER 8 & 9 TORQUE ARM REDUCER



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for Nos. 8 and 9 Dodge Double Reduction Torque-Arm Speed Reducers

Before ordering see page 4.

Prices are for one piece only.

Price List L545

Reference	Name of Part	No. 8 Reducer		No. 9 Reducer		Reference	Name of Part	No. 8 Reducer		No. 9 Reducer	
		No. Req'd.	Part No.	No. Req'd.	Part No.			No. Req'd.	Part No.	No. Req'd.	Part No.
12	Backstop Assembly	1	248131	1	248101	44	Countershaft Bearing Cone (39585) *	4	390332	4	390332
14	HOUSING ASSEMBLY	1	390078	1	390309	45	Countershaft Bearing Cup (39520) *	4	390333	4	390333
15	▲ Air Vent	1	271641	1	271041	46	Countershaft Bearing Spacer	2	248044	2	248044
16	▲ Housing Bolt	8	411498	8	411498	47	Adjusting Nut for Countershaft Bearing	4	249016	4	249016
17	▲ Adapter—Housing Bolt	2	411500	2	411500	48	"O" Ring for Countershaft Adj. Nut	4	418019	4	418019
18	▲ Lockwasher	10	419316	10	419016	49	Adj. Nut Lockscrew	4	400574	4	400574
19	▲ Plain Washer	2	419382	2	419382	49A	Countershaft Bearing Cover	1	390666	1	390666
20	▲ Hex Nut	10	407095	10	407095	49B	Countershaft Bearing Shim Pack	1 Set	390419	1 Set	390419
21	▲ Dowel Pin	2	420132	2	420132		302" Thick	1	427627	1	427627
22	▲ Housing Gasket	1	390013	1	390010		305" Thick	1	427631	1	427631
23	▲ Pipe Plug	2	430035	2	430035		.010" Thick	1	427645	1	427645
24	▲ Magnetic Plug	1	430064	1	430064		.025" Thick	1	427639	1	427639
25	Input Shaft Seal Carrier	1	271019	1	271019		Output Hub Assembly *	1	390079	1	390079
26	Input Bearing Shim Pack	1 Set	390168	1 Set	390168	50	▲ Output Hub	1	248011	1	248011
27	▲ 002" Thick	1	427575	1	427575	51	▲ Output Gear	1	390028	1	390028
28	▲ 005" Thick	1	427580	1	427580	52	▲ Key	1	390199	1	390199
29	▲ 010" Thick	1	427591	1	427591	53	Output Hub Collar with Screws	2	249209	2	249209
30	▲ 025" Thick	1	427601	1	427601	54	Collar Screw	4	400194	4	400194
31	Backstop Carrier	1	248216	1	248216	55	Output Hub Seal	2	249202	2	249202
32	Backstop Cover Gasket	1	411408	1	411408	56	Output Hub Bearing Cone (46790) *	2	390334	2	390334
33	Carrier Screw	6	419011	6	419011	57	Output Hub Bearing Cup (46720) *	2	390335	2	390335
34	Lockwasher	1	248221	1	248221	58	Output Hub Bearing Spacer	1	248012	1	248012
35	Input Shaft	1	248220	1	248220	59	Adjusting Nut for Output Hub Bearing	2	390175	2	390175
36	Input Shaft Bearing—Input End	1	411432	1	411432	60	Output Nut for Output Hub Nut	2	390176	2	390176
37	Input Shaft Bearing—Input End	1	419039	1	419039	61	Adj. Nut Lockscrew	2	400574	2	400574
38	Input Shaft Bearing—Backstop End	1	390329	1	390329	62	Output Hub Seal Carrier	2	249014	2	249014
39	Input Shaft Bearing—Backstop End	1	390330	1	390330	63	Output Hub Bearing Shim Pack	1 Set	390200	1 Set	390200
40	Cup (563) *	1	390331	1	390331		.001" Thick	1	390221	1	390221
41	Cup (742) *	1	390326	1	390326		.002" Thick	1	390222	1	390222
42	Countershaft Assembly, L.H. Spiral *	1	390020	1	390020		.005" Thick	1	390223	1	390223
43	▲ Countershaft with Pinion	1	390024	1	390024		.010" Thick	1	390224	1	390224
44	▲ L.H. First Reduction Gear	1	390025	1	390025		.025" Thick	1	390225	1	390225
45	▲ Key	1	247218	1	247218		TOGGLE ARM ASSEMBLY *				
46	Countershaft Assembly, R.H. Spiral *	1	390021	1	390021	64	▲ Rod End	1	247097	1	247097
47	▲ Countershaft with Pinion	1	390024	1	390024	65	▲ Hex Nut	1	247245	1	247245
48	▲ L.H. First Reduction Gear	1	390025	1	390025	66	▲ Turnbuckle	1	407099	1	407099
49	▲ Key	1	247218	1	247218	67	▲ Extension	1	247246	1	247246
50	Countershaft Assembly, R.H. Spiral *	1	390021	1	390021	68	▲ L.H. Hex Nut	1	247247	1	247247
51	▲ Countershaft with Pinion	1	390024	1	390024	69	▲ Fulcrum	1	407248	1	407248
52	▲ R.H. First Reduction Gear	1	390025	1	390025	70	▲ Fulcrum Screw	1	247249	1	247249
53	▲ Key	1	247218	1	247218		Adaptor Plate	2	248049	2	248049
54	Countershaft Assembly, L.H. Spiral *	1	390021	1	390021		Adaptor Bearing	1	390177	1	390177
55	▲ Countershaft with Pinion	1	390024	1	390024	73	Torque Arm Bearing	1	390178	1	390178
56	▲ R.H. First Reduction Gear	1	390025	1	390025	74	Torque Arm Spacer	2	390179	2	390179
57	▲ Key	1	247218	1	247218	75	Adaptor Bolt	1	411492	1	411492
58	Countershaft Assembly, R.H. Spiral *	1	390021	1	390021	76	Lockwasher	1	419014	1	419014
59	▲ Countershaft with Pinion	1	390024	1	390024	77	Hex Nut	1	407393	1	407393
60	▲ R.H. First Reduction Gear	1	390025	1	390025						
61	▲ Key	1	247218	1	247218						

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.

▲ One set consist of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" on page 4.

‡ Price on application.

* Timken reference number. Order by Dodge Part Number. (This permits, if desired, the purchase of Timken or equal bearing made by other manufacturers)

‡ 2 Required for No. 8 reducer; 3 required for No. 9 reducer.

‡ Required for reducers using shim adjusted output hub bearings only.

‡ 16 required for reducer using nut adjusted output hub bearings and countershaft bearings. 32 required for reducers using shim adjusted output hub bearings and nut adjusted countershaft bearings. 64 required for reducers using shim adjusted output hub bearings and countershaft bearings.

‡ Not required for reducers using shim adjusted output hub bearings.

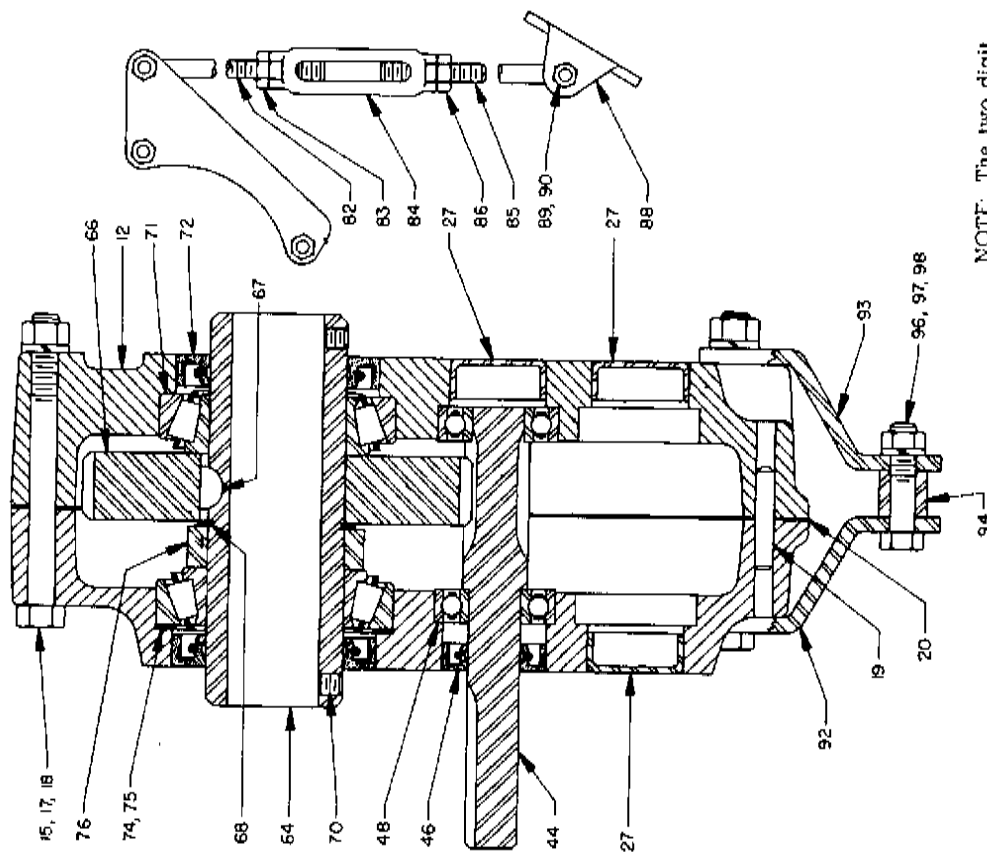
‡ Required for reducers using shim adjusted countershaft bearings only.

‡ Not required for reducers using shim adjusted countershaft bearings.

Parts for No. 10 Speed Reducer

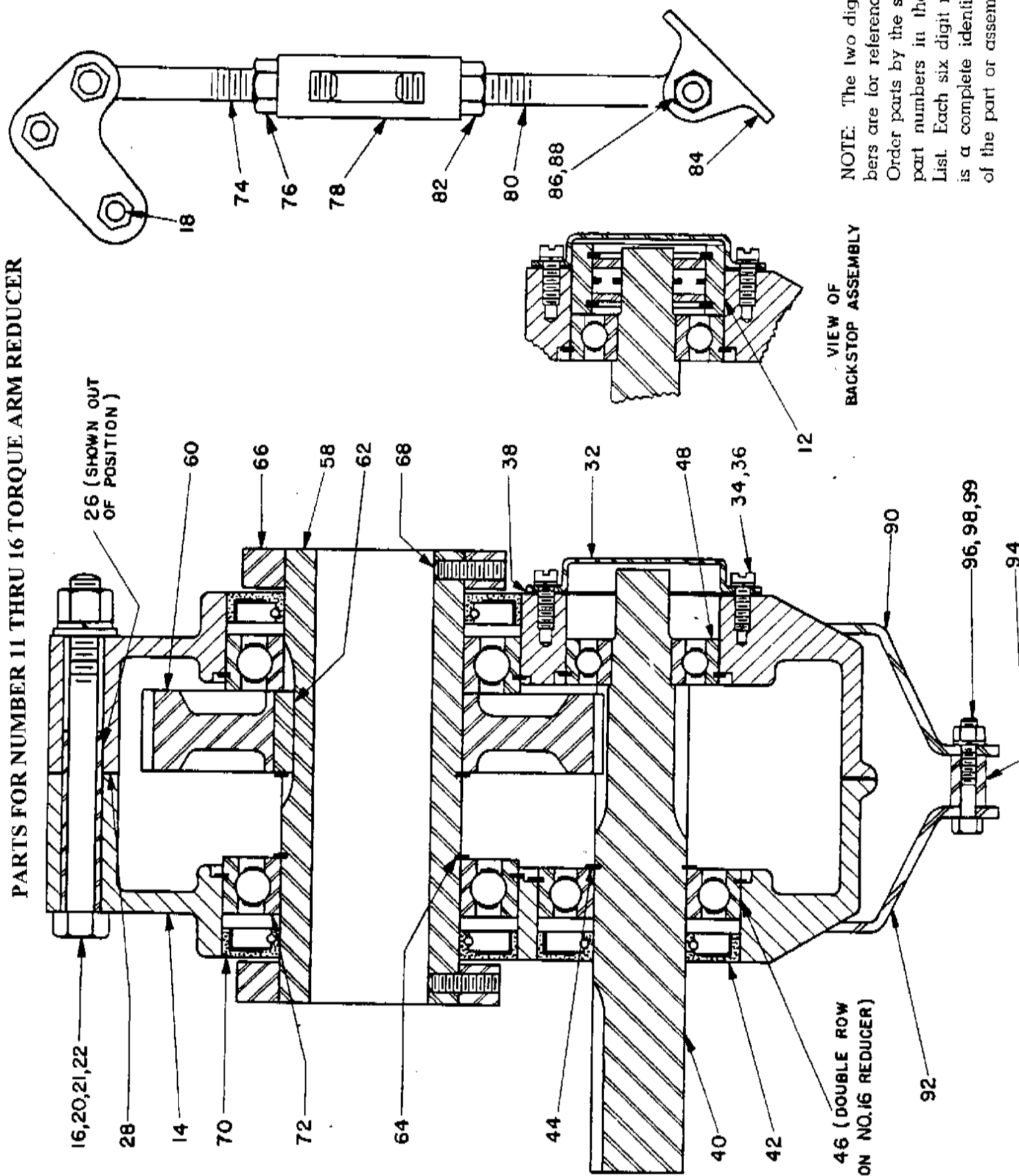
Reference	Name of Part	No. Req'd	Part Number
12	HOUSING ASSEMBLY ★	1	390100
15	▲ Air Vent	1	241237
16	▲ Housing Bolt (3/8 x 4)	4	411418
17	▲ Housing Bolt (3/8 x 3)	2	411416
18	▲ Lockwasher	6	419011
19	▲ Hex Nut	6	407087
20	▲ Dowel Pin	2	403026
21	▲ Housing Gasket	1	240219
22	▲ Pipe Plug	2	430031
23	▲ Magnetic Plug	1	430060
27	▲ Bearing Cover	3	240221
44	Input Shaft with Pinion	1	240351 -
46	Input Shaft Seal	1	240203 -
48	Input Shaft Bearing (3203X1A) †	2	424370
64	OUTPUT HUB ASSEMBLY ★ {for 1 3/4" Bore Output: {for 1 1/4" Bore Hub: {for 1 1/4" Bore	1	390149
66	▲ Output Gear	1	390150
67	▲ Key	1	240260
68	▲ Output Hub Snap Ring	1	240208
70	▲ Output Hub Set Screw	4	420007
71	Output {Cone (LM630349) † Bearing {Cup (LM630311) †	2	240007
72	Output Hub Seal	2	402190
74	.005 Output Hub Shim	2	403132
75	.015 Output Hub Shim	2	427510
76	Output Hub Spacer	1	427540 -
82	TORQUE ARM ASSEMBLY ★	1	240220
83	▲ Rod End	1	390040
84	▲ Hex Nut	1	240245
85	▲ Turnbuckle	1	407091
86	▲ Extension	1	240246
88	▲ L.H. Hex Nut	1	240247
89	▲ Fulcrum Bolt	1	407240
90	▲ Hex Nut	1	240248
92	L.H. Adapter Plate	1	411435
93	R.H. Adapter Plate	1	407089
94	Adapter Bushing	1	241241
96	Adapter Bolt	1	241242
97	Lockwasher	1	240243
98	Hex Nut	1	411410
			419011
			407087

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.
▲ The parts marked "▲" make up the assemblies under which they are listed.
Housing Assembly also includes two-piece housing.
† Not shown on drawing.
‡ New Departure part number.
§ Timken part number.
◆ As required.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

PARTS FOR NUMBER 11 THRU 16 TORQUE ARM REDUCER



NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for Dodge Single Reduction Torque-Arm Speed Reducers

Before ordering see page 4. Prices are for one piece only.

Price List L536

Refer- ence	Name of Part	No. Req'd.	No. 11 Reducer	No. 12 Reducer	No. 13 Reducer	No. 14 Reducer	No. 15 Reducer	No. 16 Reducer
			Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
12	Backstop Assembly	1	242101	252101	252101	254101	255101	256101
14	HOUSING ASSEMBLY ★	1	390181	390182	390183	390184	390185	390186
16	▲ Air Vent	1	241237	241237	241237	241237	241237	245237
18	▲ Housing Bolt	1	411418	411418	411440	411442	411466	411466
20	▲ Torque Arm—Housing Bolt	1	411422	411420	411442	411444	411468	411468
22	▲ Adapter—Housing Bolt	2	.....	411420	411442	411444	411468	411468
24	▲ Lockwasher	1	419011	419011	419012	419012	419013	419013
26	▲ Plain Washer	2	419092	419092	419094	419094	419096	419096
28	▲ Hex Nut	1	407087	407087	407089	407089	407091	407091
30	▲ Torque Arm Bushing	1	251035	.....	.....	.....	.....	.....
32	▲ Dowel Pin	2	420089	420089	420103	420103	420112	420112
34	▲ Housing Gasket	1	241219	242219	243219	244219	245219	246219
36	▲ Pipe Plug	2	430031	430031	430031	430031	430033	430033
38	▲ Magnetic Plug	1	430060	430060	430060	430060	430062	430062
40	▲ Backstop Cover	1	242221	242221	243221	244221	245221	246221
42	▲ Backstop Cover Screw	4	415022	415022	415022	415022	415022	417074
44	▲ Lockwasher	4	.....	.....	.....	.....	.....	419046
46	▲ Backstop Cover Gasket	1	242220	242220	243220	244220	245220	256020
48	Input Shaft with Pinion	1	251009	252009	253009	254009	255009	256009
50	Input Shaft Seal	1	242203	244203	253003	254203	255003	256003
52	Input Shaft Snap Ring	1	421002	421002	421010	421011	421015	421015
54	Input Shaft Bearing—Input End	1	390282	390293	390290	390280	390303	390309
56	Input Shaft Bearing—Backstop End	1	390277	390288	390288	390295	390302	390308
58	OUTPUT HUB ASSEMBLY ★	1	390151	390072	390073	390074	390075	390076
60	▲ Output Hub	1	241208	242208	243208	244208	245208	246208
62	▲ Output Gear	1	241007	252008	253008	254008	255008	256008
64	▲ Key	1	241013	242217	243217	244217	245217	246217
66	▲ Snap Ring	2	421013	421017	421021	421025	421030	421033
68	Output Hub Collar with Screws	2	241209	242209	243209	244209	245209	246209
70	Collar Screw	4	400062	400094	400098	400150	400154	400154
72	Output Hub Seal	2	241202	242202	243202	244202	245202	246210
74	Output Hub Bearing	2	390279	390284	390289	390296	390300	390307
76	TORQUE ARM ASSEMBLY ★	1	241097	241097	243097	243097	245097	245097
78	▲ Rod End	1	241245	241245	243245	243245	245245	245245
80	▲ Hex Nut	1	407093	407093	407095	407095	407097	407097
82	▲ Turnbuckle	1	241246	241246	243246	243246	245246	245246
84	▲ Extension	1	241247	241247	243247	243247	245247	245247
86	▲ L.H. Hex Nut	1	407242	407242	407244	407244	407246	407246
88	▲ Fulcrum Bolt	1	241249	241249	243249	243249	246249	246249
90	▲ Hex Nut	1	411456	411456	411484	411484	411484	411484
92	Adapter Plate — R.H.	1	407091	407091	407093	407093	407093	407093
94	Adapter Plate — L.H.	1	241242	242242	243242	244242	255096	256096
96	Adapter Bushing	1	241241	242241	243241	244241	255096	256096
98	Adapter Bolt	1	242243	242243	243243	243243	245243	245243
99	Lockwasher	1	411412	411412	411437	411437	411460	411460
99	Hex Nut	1	419011	419011	419012	419012	419013	419013
99	Hex Nut	1	407087	407087	407089	407089	407091	407091

★ Includes parts listed immediately below marked "★". Housing Assembly also includes two-piece housing.
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

† Not shown on drawing.
‡ Five required on No. 11 and 12; six on Nos. 13, 14, 15 and 16.
§ Six required on No. 11; seven on No. 12; eight on Nos. 13, 14, 15 and 16.
¶ Price on application.

Parts for No. 16A Torque-Arm Speed Reducer

Reference	Name of Part	No. Req'd	Part No.
12	Backstop Assembly	1	246092
14	HOUSING ASSEMBLY ★	1	390473
▲	▲ Air Vent	1	245237
15	▲ Housing Bolt	6	411466
16	▲ Adapter — Housing Bolt	2	411468
17	▲ Lockwasher	8	419013
18	▲ Plain Washer	2	419096
19	▲ Hex Nut	8	407091
20	▲ Dowel Pin	2	420112
21	▲ Housing Gasket	1	246219
▲	▲ Pipe Plug	2	430033
▲	▲ Magnetic Plug	1	430062
23	Input Shaft Seal Carrier	1	246184
24	Input Shaft Bearing Shim Pack	1 Set ‡	390474
	.002" Thick	†	427675
	.005" Thick	†	427676
	.010" Thick	†	427677
	.025" Thick	†	427678
27	Carrier Screw	12	411408
28	Lockwasher	12	419011
29	Backstop Cover	1	246221
30	Backstop Cover Gasket	1	246220
31	Cover Screw	6	411404
32	Lockwasher	6	419009
33	Input Shaft with Pinion	1	256159
34	Input Shaft Seal	1	242202
36	Input Shaft Brg. Cone—Input End, 395A [■]	1	390445
38	Input Shaft Brg. Cone—Backstop End, 396 [■]	1	390446
39	Input Shaft Brg. Cup, 3920 [■]	2	390687
40	Input Shaft Snap Ring	1	421049
	OUTPUT HUB ASSEMBLY ★	1	390475
49	▲ Output Hub	1	246308
50	▲ Output Gear	1	256008
51	▲ Key	1	245217
52	▲ Snap Ring	1	421033
53	Output Hub Collar with Screws	2	246309
54	Collar Screw	4	400154
55	Output Hub Seal	2	246302
56	Output Hub Seal Carrier	1	246314
57	Output Hub Bearing Conc., 37341 [■]	2	390448
58	Output Hub Bearing Cup, 37625 [■]	2	390449
63	Output Hub Bearing Shim Pack	1 Set ‡	390481
	.002" Thick	†	427683
	.005" Thick	†	427684
	.010" Thick	†	427685
	.025" Thick	†	427686
	TORQUE ARM ASSEMBLY ★	1	245097
64	▲ Rod End	1	245245
65	▲ Hex Nut	1	407097
66	▲ Turnbuckle	1	245246
67	▲ Extension	1	245247
68	▲ L.H. Hex Nut	1	407246
69	▲ Fulcrum	1	246249
70	▲ Fulcrum Bolt	1	411484
72	▲ Hex Nut	1	407093
73	Adapter	1	256096
75	Adapter Bushing	1	245243
76	Adapter Bolt	1	411460
77	Lockwasher	1	419013
78	Hex Nut	1	407091

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

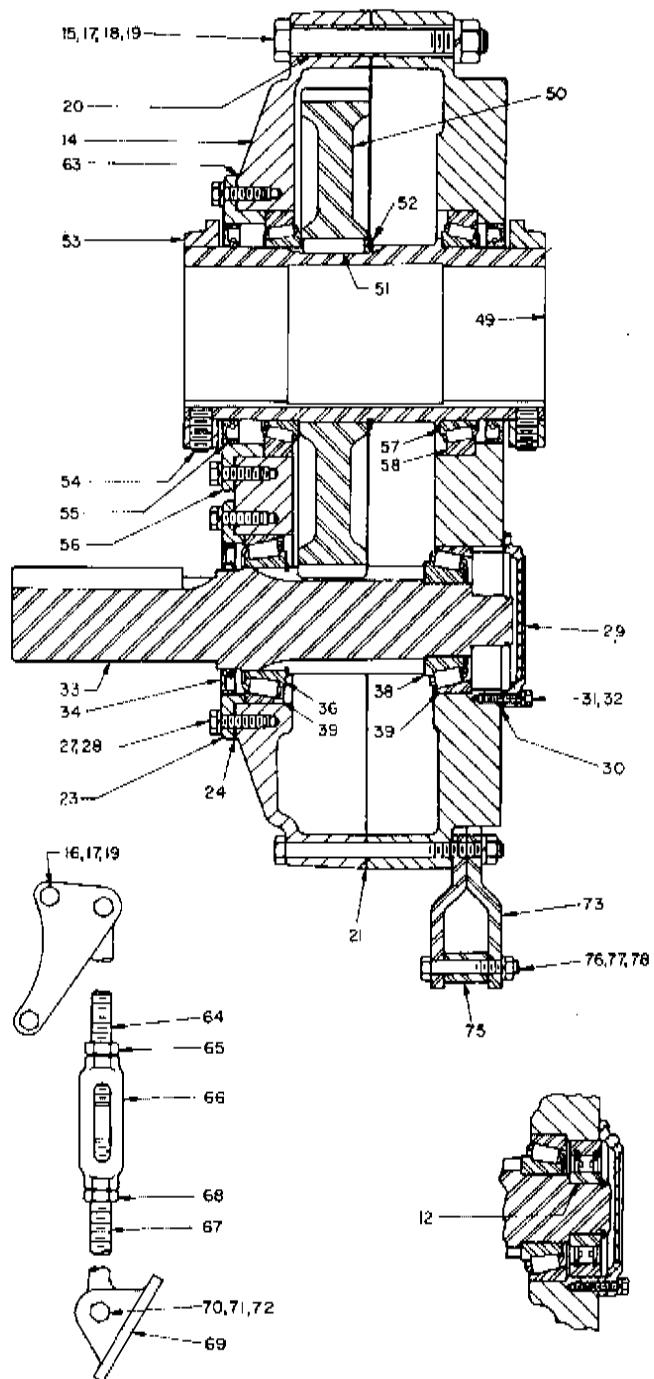
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown in drawing

† One set consists of one each of the shims listed immediately below marked with a dagger.

‡ See last paragraph under "ORDERING PARTS" on reverse side.

■ Timken part number.



IMPORTANT NOTICE: Because of the possible danger to person(s) or property from accidents which may result from the use of products, it is important that correct procedures be followed. Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by Dodge nor are the responsibility of Dodge.

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

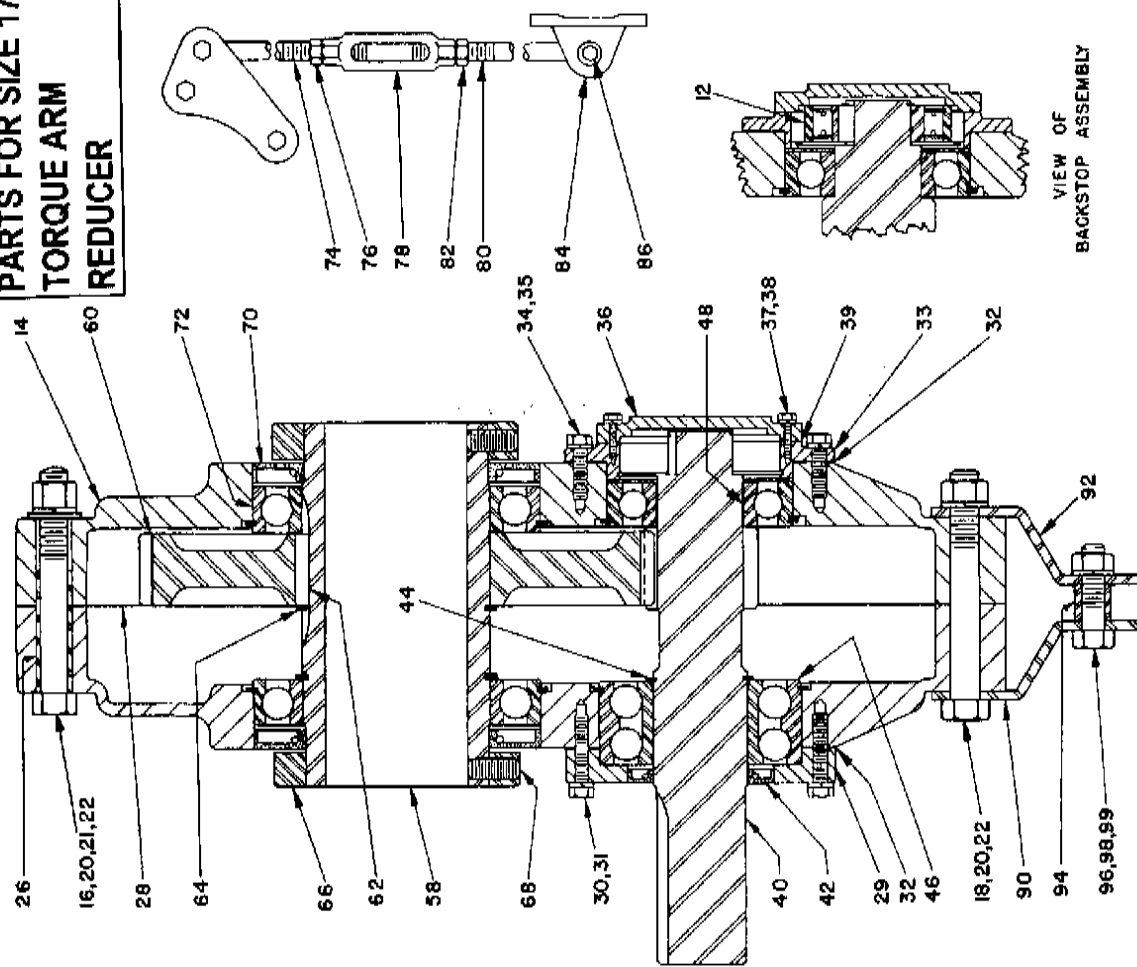
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Price List L537

Refer- ence	Name of Part	No. Req'd.	Part No.	Price Each
12	Backstop Assembly	1	257101	\$224.00
14	HOUSING ASSEMBLY ★	1	390187	360.00
14	▲ Air Vent with Bushing	1	390061	2.80
16	▲ Housing Bolt	6	411498	2.00
18	▲ Adapter—Housing Bolt	2	411499	3.40
20	▲ Lockwasher	8	419016	.10
21	▲ Plain Washer	2	419082	.10
22	▲ Hex Nut	8	407095	.30
26	▲ Dowel Pin	2	420128	1.80
28	▲ Housing Gasket	1	247219	5.00
28	▲ Pipe Plug	2	430035	1.60
28	▲ Magnetic Plug	1	430064	2.00
29	Input Shaft Seal Carrier	1	247220	12.00
30	Carrier Screw	6	411412	.30
31	Lockwasher	6	419011	.10
32	Carrier Gasket	2	247223	1.20
33	Backstop Carrier	1	257022	20.00
34	Carrier Screw	6	411408	.20
35	Lockwasher	6	419011	.10
36	Backstop Cover	1	257021	6.40
37	Cover Screw	6	411404	.20
38	Lockwasher	6	419009	.05
39	Cover Gasket	1	257020	2.50
40	Input Shaft with Pinion	1	257009	220.00
42	Input Shaft Seal	1	242210	8.20
44	Input Shaft Snap Ring	1	421017	1.00
46	Input Shaft Bearing—Input End (45313X1A) I	1	390311	2.00
48	Input Shaft Bearing—Backstop End (43312X1A) I	1	390305	2.00
58	OUTPUT HUB ASSEMBLY ★	1	390157	340.00
60	▲ Output Hub	1	247208	102.00
62	▲ Gear	1	247007	232.80
62	▲ Key	1	245217	1.20
64	▲ Snap Ring	2	421038	2.00
66	Output Hub Collar with Screws	2	247209	16.60
68	Collar Screw	4	400190	.50
70	Output Hub Seal	2	247210	19.80
72	Output Hub Bearing (43L26X1A) I	2	390313	2.00
74	TORQUE ARM ASSEMBLY ★	1	247098	42.40
76	▲ Rod End	1	247239	11.20
76	▲ Hex Nut	1	407099	.60
78	▲ Turnbuckle	1	247246	10.00
80	▲ Extension	1	247240	10.00
82	▲ L.H. Hex Nut	1	407248	.80
84	▲ Fulcrum	1	247248	8.00
86	▲ Fulcrum Bolt	1	411489	1.50
86	▲ Lockwasher	1	419014	.10
86	▲ Hex Nut	1	407093	.20
90	L.H. Adapter Plate	1	247241	7.00
92	R.H. Adapter Plate	1	247242	7.00
94	Adapter Bushing	1	247244	3.30
96	Adapter Bolt	1	411485	.90
98	Lockwasher	1	419014	.10
99	Hex Nut	1	407093	.20

NOTE: The two digit numbers are for reference only. Order parts by the six digit number in the Price List. Each six digit number is a complete identification of the part or assembly.

PARTS FOR SIZE 17
TORQUE ARM
REDUCER



★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.
I The bearing numbers given in the column headed "Part No." are Dodge part numbers. Within the parenthesis are given the corresponding New Departure numbers to permit the purchase, if desired, of New Departure or equivalent bearings made by other bearing manufacturers.
☐ Price on application.

† For reducers with Serial No. 1035 and lower, Output Hub Snap Ring must be ordered with Output Hub.

‡ For reducers with Serial No. 1035 and lower, if new Output Hub is not ordered, specify Output Hub Snap Ring No. 390188 (\$2.20) for use with original hub.

Parts for No. 17A Torque-Arm Speed Reducer
Price List L675

Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	Backstop Assembly	1	247092	\$224.00
14	HOUSING ASSEMBLY ★	1	390174	362.00
▲	▲ Air Vent with Bushing	1	390061	2.80
15	▲ Housing Bolt	6	411498	2.00
16	▲ Adapter — Housing Bolt	2	411499	3.40
17	▲ Lockwasher	8	419016	.10
18	▲ Plain Washer	2	419082	.10
19	▲ Hex Nut	8	407095	.30
20	▲ Dowel Pin	2	420128	1.80
21	▲ Housing Gasket	1	247219	5.00
▲	▲ Pipe Plug	2	430035	1.60
22	▲ Magnetic Plug	1	430064	2.00
23	Input Shaft Seal Carrier	1	247320	14.00
24	Input Shaft Bearing Shim Pack	1 Set †	390420	4.00
	.002" Thick (Red)	†	427578	.50
	.005" Thick (Blue)	†	427584	.70
	.010" Thick (Brown)	†	427604	1.10
	.025" Thick (White)	†	427618	1.70
27	Carrier Screw	14	411433	.30
28	Lockwasher	14	419012	.10
29	Backstop Cover	1	247221	6.40
30	Backstop Cover Gasket	1	246220	1.20
31	Cover Screw	6	411402	.20
32	Lockwasher	6	419009	.05
33	Input Shaft with Pinion	1	257109	222.00
34	Input Shaft Seal	1	242210	8.20
36	Input Shaft Bearing Cone — Input End	1	390375	ⓐ
37	Input Shaft Bearing Cup — Input End	1	390333	ⓐ
38	Input Shaft Brg. Cone — Backstop End	1	390437	ⓐ
39	Input Shaft Brg. Cup — Backstop End	1	390438	ⓐ
49	OUTPUT HUB ASSEMBLY ★	1	390388	342.00
50	▲ Output Hub	1	247308	106.00
51	▲ Output Gear	1	247007	232.80
52	▲ Key	1	245217	1.20
	▲ Snap Ring	1	421038	2.00
53	Output Hub Collar with Screws	2	247309	17.00
54	Collar Screw	4	400190	.60
55	Output Hub Seal	2	247310	20.00
56	Output Hub Seal Carrier	1	247314	28.00
57	Output Hub Bearing Cone	2	390439	ⓐ
58	Output Hub Bearing Cup	2	390440	ⓐ
63	Output Hub Bearing Shim Pack	1 Set †	390444	5.60
	.002" Thick (Red)	†	427525	.90
	.005" Thick (Blue)	†	427527	1.10
	.010" Thick (Brown)	†	427528	1.60
	.025" Thick (White)	†	427558	2.00
64	TORQUE ARM ASSEMBLY ★	1	247098	42.40
65	▲ Rod End	1	247239	11.20
66	▲ Hex Nut	1	407099	.60
67	▲ Turnbuckle	1	247246	10.00
	▲ Extension	1	247240	10.00
68	▲ L.H. Hex Nut	1	407248	.80
69	▲ Fulcrum	1	247248	8.00
70	▲ Fulcrum Bolt	1	411489	1.50
71	▲ Lockwasher	1	419014	.10
72	▲ Hex Nut	1	407093	.20
73	L.H. Adapter Plate	1	247241	7.00
74	R.H. Adapter Plate	1	247242	7.00
75	Adapter Bushing	1	247244	3.00
76	Adapter Bolt	1	411485	.90
77	Lockwasher	1	419014	.10
78	Hex Nut	1	407093	.20

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

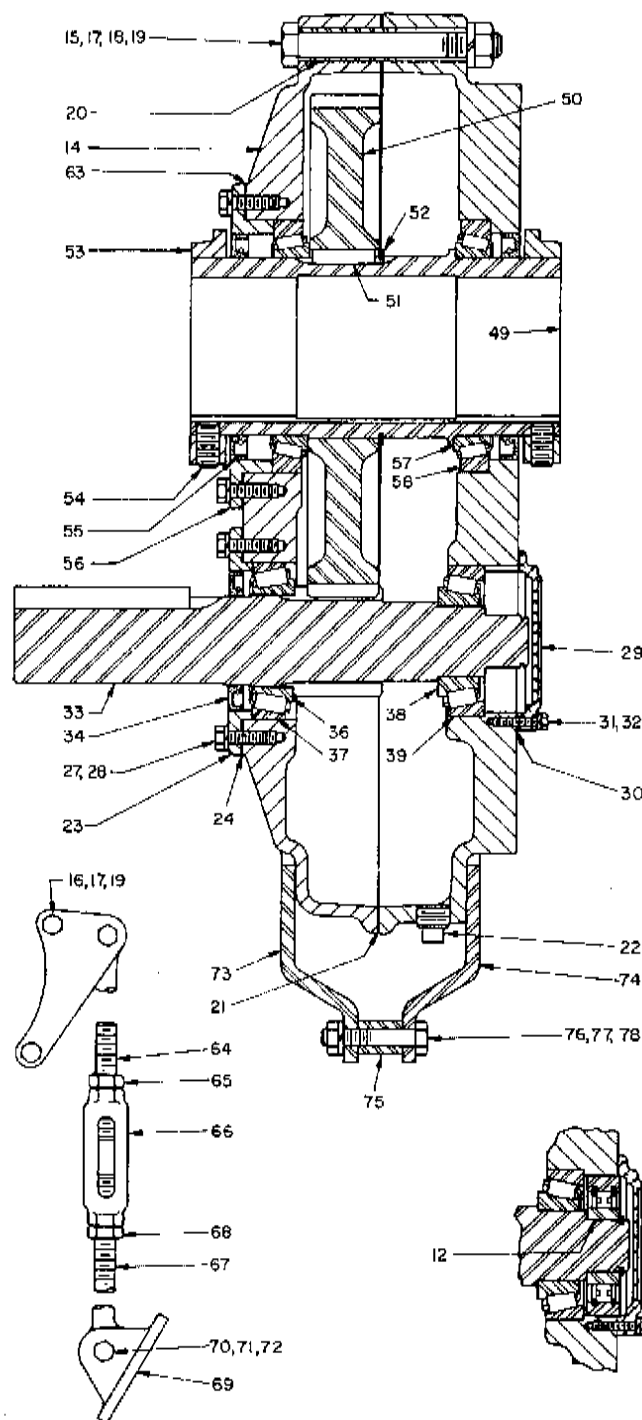
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

‡ See last paragraph under "ORDERING PARTS" on reverse side.

ⓐ Price on application.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for No. 18 Torque-Arm Speed Reducer
Price List L606

Refer- ence	Name of Part	No. Req'd.	Part No.	Price Each
12	BACKSTOP ASSEMBLY	1	248101	\$330.00
14	HOUSING ASSEMBLY*	1	390189	490.00
▲	Air Vent with Bushing	1	390061	2.80
15	Housing Bolt	9	411499	3.60
16	Housing Adapter Bolt	2	411502	4.20
17	Lockwasher	11	419016	.10
18	Plain Washer	2	419082	.10
19	Hex Nut	11	407095	.20
20	Dowel Pin	2	420128	1.80
21	Housing Gasket	1	248219	6.00
▲	Pipe Plug	2	430035	1.60
▲	Magnetic Plug	1	430064	2.00
23	Input Shaft Seal Carrier	1	258023	18.00
24	Input Bearing Shim Pack	1 Set †	390038	4.40
	.002" Thick	†	427579	.60
	.005" Thick	†	427595	.80
	.010" Thick	†	427602	1.20
	.025" Thick	†	427621	1.80
25	Backstop Carrier	1	258022	40.00
27	Carrier Screw	32	411408	.20
28	Lockwasher	32	419011	.10
29	Backstop Cover	1	248221	7.00
30	Backstop Cover Gasket	1	248220	2.00
31	Cover Screw	6	411402	.20
32	Lockwasher	6	419009	.05
33	Input Shaft with Pinion	1	258009	300.00
34	Input Shaft Seal	1	248211	10.40
35	Input Bearing Spacer	1	258018	5.00
36	Input Shaft Bearing Cup	2	390331	☐
37	Input Shaft Bearing Cone — Input End	1	390352	☐
38	Input Shaft Bearing Cone — Backstop End	1	390330	☐
	OUTPUT HUB ASSEMBLY*	1	390039	493.20
49	▲ Output Hub	1	258013	140.00
50	▲ Output Gear	1	258008	350.00
52	▲ Key	1	390112	3.20
53	Output Hub Collar with Screws	2	248209	22.40
54	Output Hub Collar Screw	4	400190	.60
55	Output Hub Seal	2	258019	26.00
56	Output Hub Bearing Cup	2	390354	☐
57	Output Hub Bearing Cone	2	390353	☐
61	Output Hub Seal Carrier R.H.	1	258020	34.00
62	Output Hub Seal Carrier L.H.	1	258021	32.00
63	Output Hub Bearing Shim Pack	1 Set †	390048	6.40
	.002" Thick	†	427509	1.00
	.005" Thick	†	427523	1.20
	.010" Thick	†	427534	1.80
	.025" Thick	†	427564	2.20
	TORQUE-ARM ASSEMBLY	1	247098	42.40
64	▲ Rod End	1	247239	11.20
65	▲ Hex Nut	1	407099	.60
66	▲ Turnbuckle	1	247246	10.00
67	▲ Extension	1	247240	10.00
68	▲ L.H. Hex Nut	1	407248	.80
69	▲ Fulcrum	1	247248	8.00
70	▲ Fulcrum Screw	1	411489	1.50
71	▲ Lockwasher	1	419014	.10
72	▲ Hex Nut	1	407093	.20
73	Adapter Plate	2	248241	10.00
74	Adapter Bushing	1	247243	5.00
75	Adapter Bolt	1	411487	1.10
76	Lockwasher	1	419014	.10
77	Hex Nut	1	407093	.20

*Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

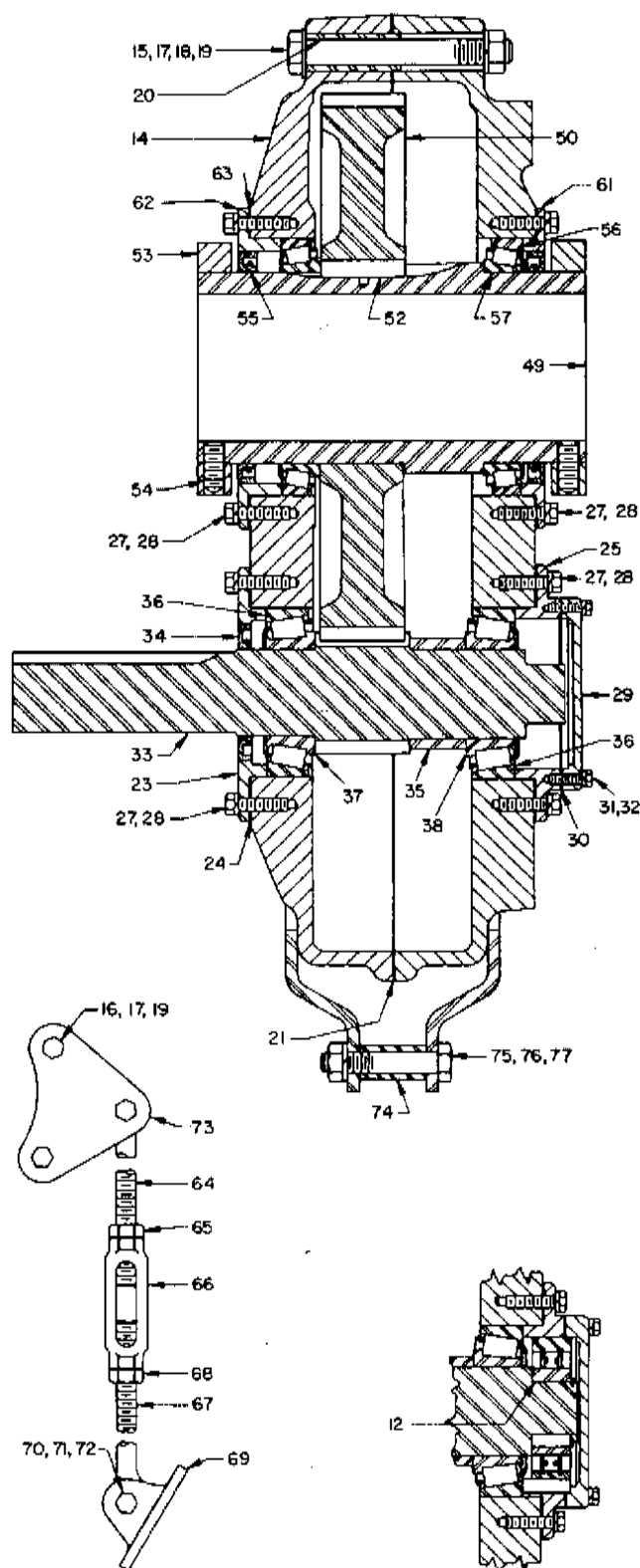
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" on reverse side.

☐ Price on application.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for No. 19 Torque-Arm Speed Reducer

Refer- ence	Name of Part	No. Req'd.	Part No.
12	BACKSTOP ASSEMBLY	1	250101
14	HOUSING ASSEMBLY★	1	390198
▲	Air Vent with Bushing	1	390061
15	Housing Bolt	9	411499
16	Housing Adapter Bolt	2	411502
17	Lockwasher	11	419016
18	▲ Plain Washer	2	419082
19	▲ Hex Nut	11	407095
20	▲ Dowel Pin	2	420128
21	▲ Housing Gasket	1	249219
▲	▲ Pipe Plug	4	430035
▲	▲ Magnetic Plug	1	430064
23	Input Shaft Seal Carrier	1	249211
24	Input Bearing Shim Pack	1 Set ‡	390168
	.002" Thick	†	427580
	.005" Thick	†	427591
	.010" Thick	†	427601
	.025" Thick	†	427619
25	Backstop Carrier	1	259022
27	Carrier Screw	32	411408
28	Lockwasher	32	419011
29	Backstop Cover	1	248221
30	Backstop Cover Gasket	1	248220
31	Cover Screw	6	411402
32	Lockwasher	6	419009
33	Input Shaft with Pinion	1	259009
34	Input Shaft Seal	1	248211
36	Input Shaft Bearing Cup — Input End	1	390329
37	Input Shaft Bearing Cone — Input End	1	390328
38	Input Shaft Bearing Cup — Backstop End	1	390337
39	Input Shaft Bearing Cone — Backstop End	1	390336
	OUTPUT HUB ASSEMBLY ★	1	390159
49	▲ Output Hub	1	249208
50	▲ Output Gear	1	249007
52	▲ Key	2	390112
53	Output Hub Collar with Screws	2	249209
54	Output Hub Collar Screw	4	400194
55	Output Hub Seal	2	249210
56	Output Hub Bearing Cup	2	390335
57	Output Hub Bearing Cone	2	390334
61	Output Hub Seal Carrier R.H.	1	249220
62	Output Hub Seal Carrier L.H.	1	249221
63	Output Hub Bearing Shim Pack	1 Set ‡	390171
	.002" Thick	†	427505
	.005" Thick	†	427518
	.010" Thick	†	427530
	.025" Thick	†	427560
	TORQUE-ARM ASSEMBLY	1	390129
64	▲ Rod End	1	271050
65	▲ Hex Nut	1	407104
66	▲ Turnbuckle	1	271051
67	▲ Extension	1	271052
68	▲ L.H. Hex Nut	1	407250
69	▲ Fulcrum	1	271054
70	▲ Fulcrum Screw	1	411516
71	▲ Lockwasher	1	419020
72	▲ Hex Nut	1	407099
73	Adapter Plate	2	249241
74	Adapter Bushing	1	271046
75	Adapter Bolt	1	411510
76	Lockwasher	1	419020
77	Hex Nut	1	407099

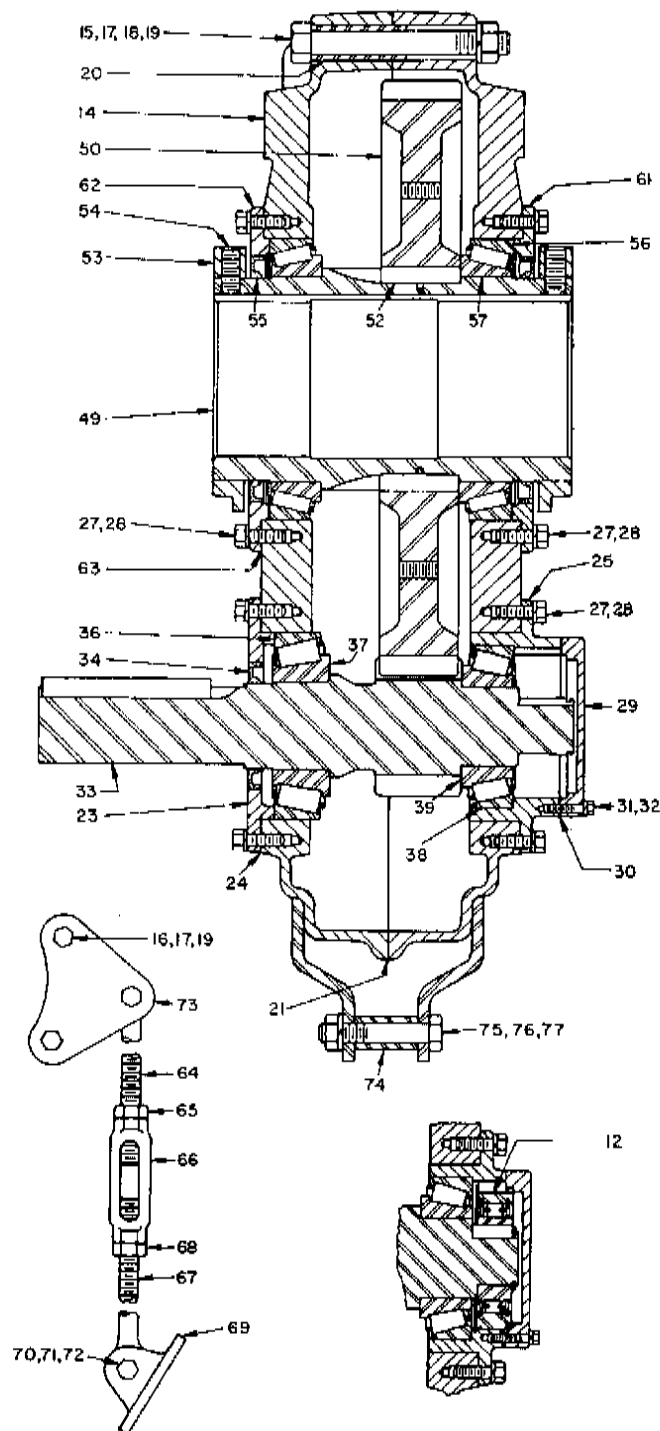
★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

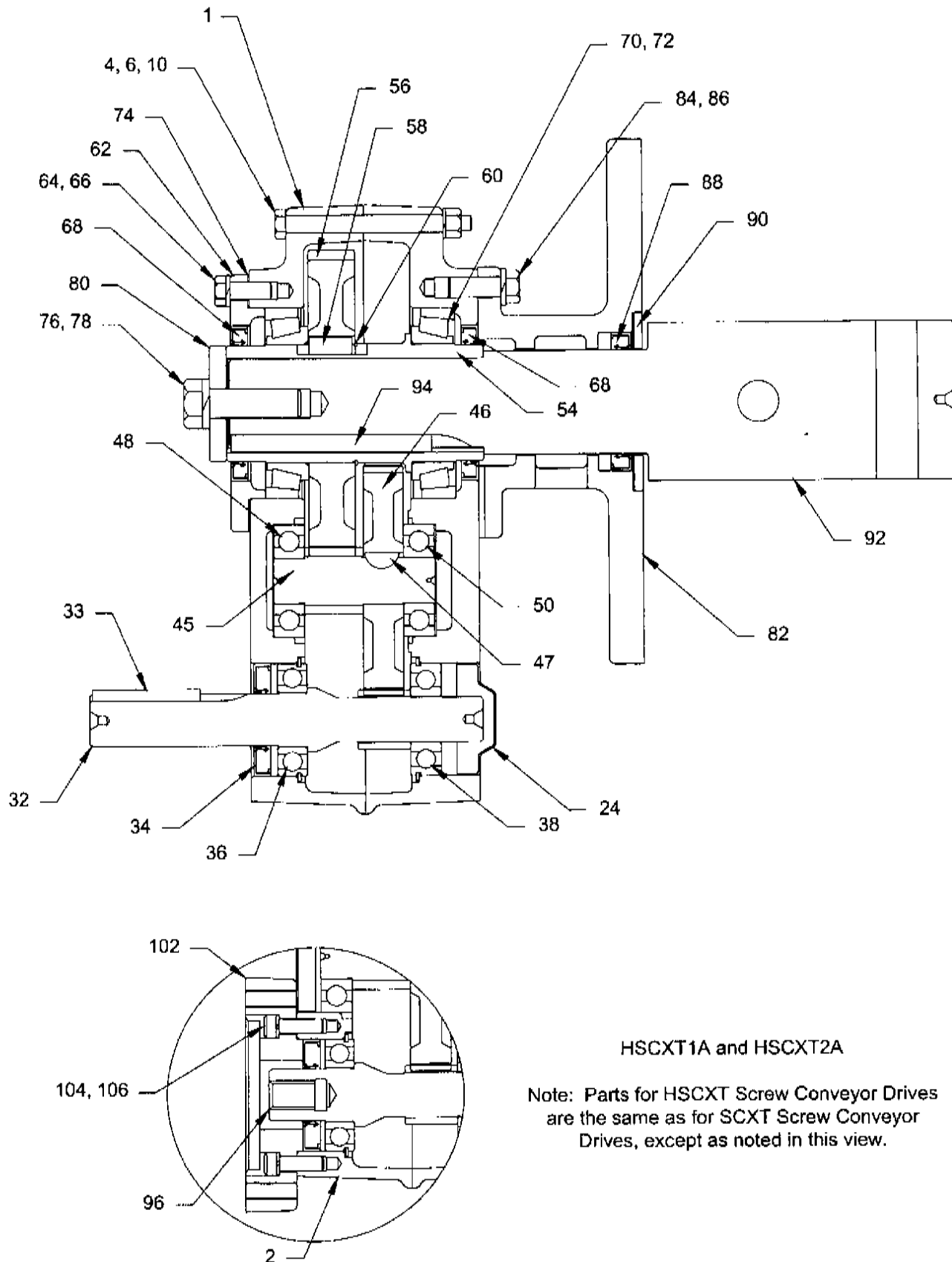
‡ One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" on reverse side.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Parts for SCXT / HSCXT 1A and 2A Double Reduction Screw Conveyor and Hydroil Screw Conveyor Drive



HSCXT1A and HSCXT2A

Note: Parts for HSCXT Screw Conveyor Drives
are the same as for SCXT Screw Conveyor
Drives, except as noted in this view.

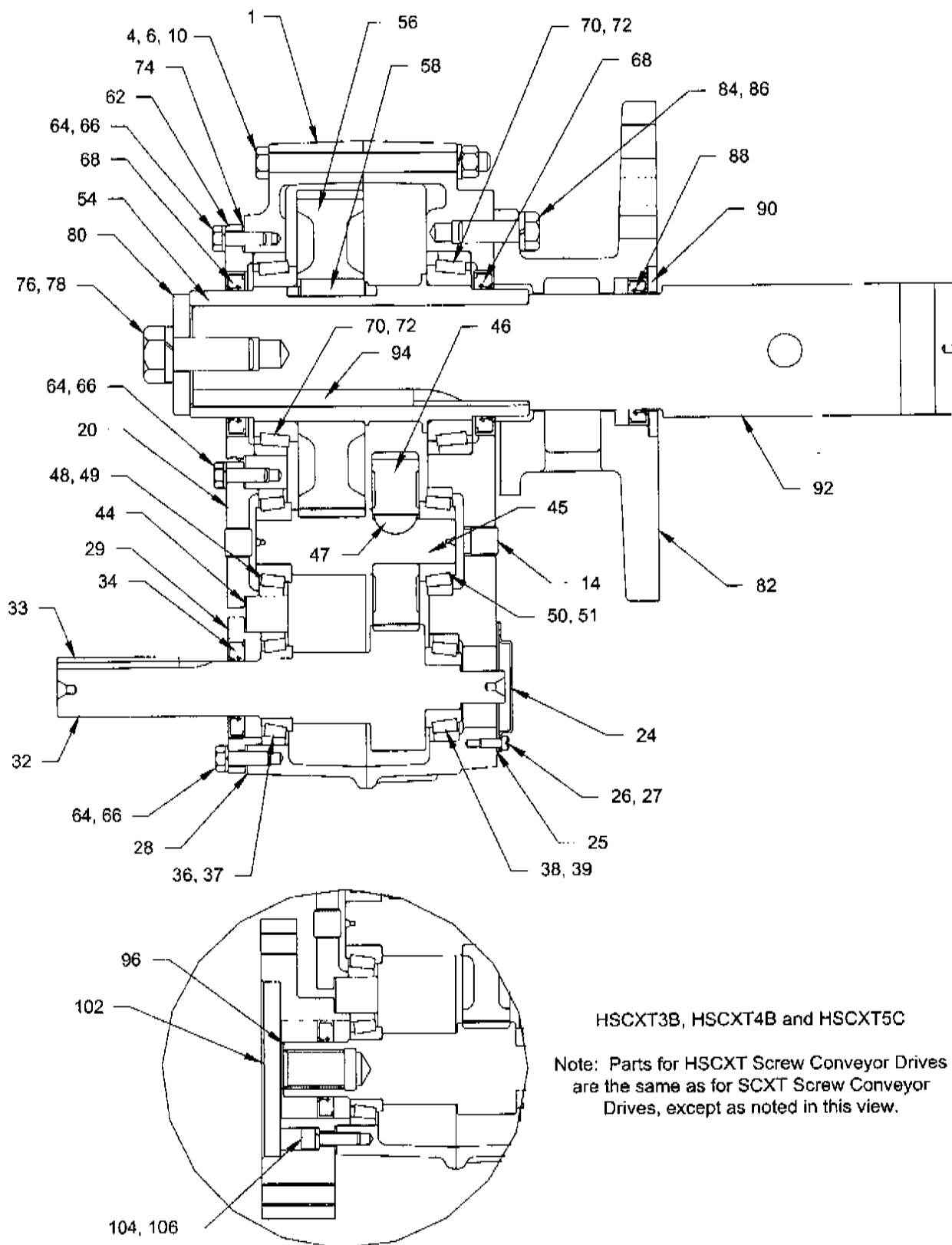
Ref.	Description	Qty.	(H)SCXT 1A	(H)SCXT 2A
1	SCXT Housing Assembly	1	351225	352219
2	HSCXT Housing Assembly	1	351240	352245
§	RTV Sealant, Tube	1	465044	465044
§	Air Vent	1	900287	900287
4	Housing Bolt	†	411418	411418
6	Lock-Washer	†	419011	419011
10	Hex Nut	†	407087	407087
§	Dowel Pin •	2	420063	420063
§	Magnetic Oil Plug	1	430060	430060
22	Oil Plug	4	430031	430031
24	Input Shaft Bearing Cover	1	361062	354112
32	Input Pinion			
	9:1 Ratio ♦	1	241481	242481
	15:1 Ratio ♦	1	241302	242186
	25:1 Ratio ♦	1	241200	242187
33	Input Pinion Key	1	443008	443013
36	Input Pinion Bearing-LH	1	424112	424019
38	Input Pinion Bearing-RH	1	424111	424090
	Countershaft Pinion Assembly♦			
	9:1 Ratio ♦	1	392100	392101
	15:1 Ratio ♦	1	392090	392092
	25:1 Ratio ♦	1	392091	392093
45	Countershaft Pinion ▲	1	241216	242185
46	First Reduction Gear ▲			
	9:1 Ratio ♦	1	241482	242482
	15:1 Ratio ♦	1	241170	242008
	25:1 Ratio ♦	1	241171	242005
47	Gear Key ▲	1	241309	242218
48	Countershaft Bearing (Input Side)	1	424006	424000
50	Countershaft Bearing (Output Side)	1	424006	424000
	Output Hub Assembly ♦-	1	391029	392105
54	Output Hub ▲	1	351112	352112
56	Output Gear ▲	1	241007	242181
58	Output Gear Key ▲	1	241217	443399
60	Output Hub Snap Ring ▲	1	421013	421017
62	Output Hub Seal Carrier	1	351114	352114
64	Carrier Screw	6	441405	411407
66	Lockwasher	6	419010	419011
70	Output Hub Bearings Cone	2	402246	402247
72	Cup	2	403149	403150
74	Output Hub Shim Pack	1 Set	391056	391059
76	Retainer Bolt	1	411549	411549
78	Lockwasher	1	419014	419014
80	Shaft Retainer	1	351116	352116
	"A" Adapter Assembly ♦	1	351086	352052
	"B" Adapter Assembly ♦	1	351087	352053
82	"A" Adapter ▲	1	351117	352117
82	"B" Adapter ▲	1	351118	352119
84	Bolt ▲	4	411408	411433
86	Lockwasher ▲	4	419011	419012
88	Lip Seal ▲	1	351123	352122
§	Braided Seal ▲	2	427663	427659
90	Seal Retaining Ring ▲	1	351121	352121
	Adjustable Adapter Assembly ♦	1	356168	356112

Ref.	Description	Qty.	(H)SCXT 1A	(H)SCXT 2A
§	Adjustable Adapter ▲	1	356169	356113
84	Bolt ▲	4	411408	411433
86	Lockwasher ▲	4	419011	419012
§	Adjustable Packing Retainer ▲	1	356134	356115
§	Stud ▲	2	400404	400404
§	Hex Nut ▲	2	407202	407202
§	Braided Seal ▲	3	427663	427659
90	Seal Retaining Ring ▲	1	351121	352121
92	Drive 1-1/2" Dia.	1	351094	352090
	Shaft ♦ 2" Dia.	1	351095	352091
	2-7/16" Dia.	1	351096	352092
	3" Dia.	1	351097	352093
	3-7/16" Dia.	1	—	—
94	Key ▲	1	443287	443223
	Seal Kit ♦	1	272711	272712
34	Input Seal ▲	1	241457	242211
68	Output Seal ▲	2	351113	352113
96	Hydroil Input Pinion 15:1 Ratio ♦	1	241455	242188
	25:1 Ratio ♦	1	241449	242189
102	Hydroil Motor Adapter	1	C11762	352240
104	Adapter Screw	5	417081	417081
106	Lockwasher	5	419046	419046

Notes:

- § Not shown on drawing.
- ♦ Includes Parts Listed Immediately Below Marked ▲
- ♦ See Table 7 for actual ratio.
- † 6 required on SCXT1A, 7 required on SCXT2A
- Included in Housing Assembly

Parts for SCXT / HSCXT 3B, 4B, & 5C Double Reduction Screw Conveyor and Hydroil Screw Conveyor Drive



HSCXT3B, HSCXT4B and HSCXT5C

Note: Parts for HSCXT Screw Conveyor Drives are the same as for SCXT Screw Conveyor Drives, except as noted in this view.

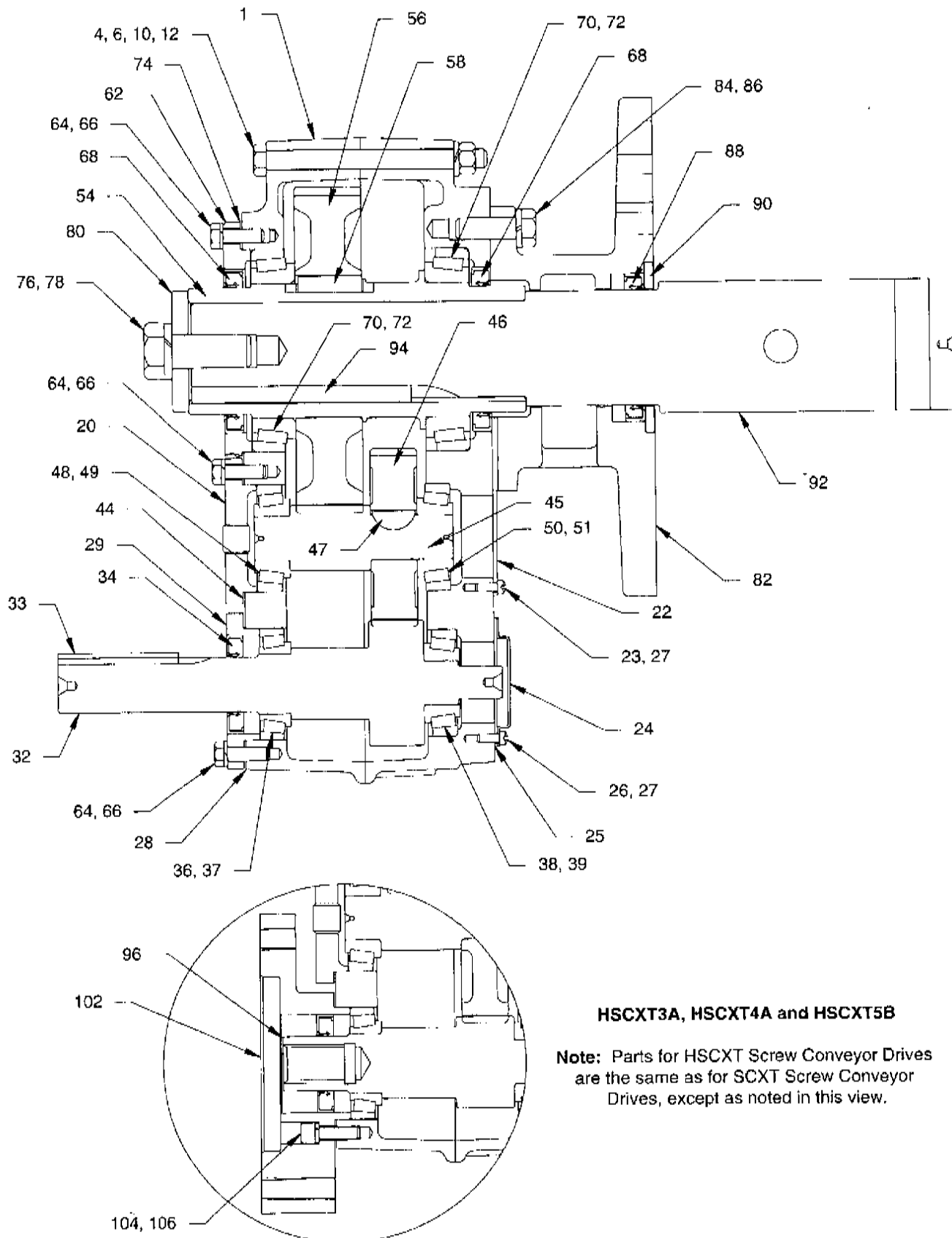
Ref.	Description	Qty.	(H)SCXT 3B	(H)SCXT 4B	(H)SCXT 5C
1	Housing Assembly	1	243538	244569	245589
§	RTV Sealant, Tube	1	465044	465044	465044
§	Air Vent	1	900287	900287	904287
4	Housing Bolt	8	411440	411442	411464
6	Lock Washer	8	419012	419012	419013
10	Hex Nut	8	407089	407089	407091
§	Dowel Pin ●	2	420063	420063	304624
§	Magnetic Oil Plug	1	430060	430060	430062
14	Oil Plug	4	430031	430031	430033
24	Input Shaft Bearing Cover	1	243560	244493	245226
26	Bearing Cover Screw	4	416524	411035	411394
27	Lockwasher	4	---	419009	419009
28	Input Bearing Shim Pack	2 Sets	389704	389711	389732
29	Input Shaft Seal Carrier	1	243543	244577	245597
32	Input Pinion				
	9:1 Ratio ♦	1	243549	244579	245599
	15:1 Ratio ♦	1	243550	244580	245600
	25:1 Ratio ♦	1	243551	244581	245601
33	Input Pinion Key	1	443032	443082	443096
	Input Bearing Kit ♦	1	389587	389590	389594
36	Input Bearing-LH ▲ Cone	1	402204	402280	402144
37	▲ Cup	1	403139	403027	403104
38	Input Bearing-RH▲ Cone	1	402273	402142	402266
39	▲ Cup	1	403094	403102	403073
44	Countershaft Bearing Shim Pack	2 Sets	389705	389712	389718
	Countershaft Assembly ♦				
	9:1 Ratio ♦	1	389729	389730	389731
	15:1 Ratio ♦	1	389700	389707	389714
	25:1 Ratio ♦	1	389701	389708	389715
45	Countershaft with Pinion ▲	1	243555	244590	245596
46	First Reduction Gear ▲				
	9:1 Ratio ♦	1	243237	244482	245482
	15:1 Ratio ♦	1	243238	244214	245214
	25:1 Ratio ♦	1	243239	244212	245212
47	Gear Key ▲	1	243215	244215	244215
	Countershaft Bearing Kit ♦	1	389588	389591	389595
48	Countershaft Bearing - LH ▲ Cone	1	402273	402000	402203
49	▲ Cup	1	403094	403000	403027
50	Countershaft bearing - RH ▲ Cone	1	402273	402000	402203
51	▲ Cup	1	403094	403000	403027
	Output Hub Assembly ♦	1	389702	389709	389716
54	Output Hub ▲	1	243557	244589	245591
56	Output Gear ▲	1	243570	244188	245188
58	Output Gear Key ▲	1	243216	354087	355064
62	Output Hub Seal Carrier	1	243547	244591	245592
64	Carrier Screw	6	411390	411407	411407
66	Lockwasher	6	419010	419011	419011

Ref.	Description	Qty.	(H)SCXT 3B	(H)SCXT 4B	(H)SCXT 5C
	Output Bearing Kit ♦	1	389589	389592	389596
70	Output Hub Bearings ▲ Cone	2	402272	402268	402193
72	▲ Cup	2	403127	403163	403016
74	Output Hub Shim Pack	2 Sets	389706	389713	389719
76	Retainer Bolt	1	411551	411551	411551
78	Lockwasher	1	419016	419016	419016
80	Shaft Retainer	1	353053	354088	355065
	Adapter Assembly ♦	1	353047	354121	355072
82	Adapter ▲	1	353081	354081	355047
84	Bolt ▲	4	411456	411483	411483
86	Lockwasher ▲	4	419013	419014	419014
88	Lip Seal ▲	1	353085	354115	355067
§	Braided Seal ▲	2	427658	427664	427674
90	Seal Retaining Ring ▲	1	353054	354089	355066
	Adjustable Adapter Assembly ♦	1	356163	356149	356158
§	Adjustable Adapter ▲	1	356164	356150	356159
84	Bolt ▲	4	411456	411483	411483
86	Lockwasher ▲	4	419013	419014	419014
§	Adjustable Packing Retainer ▲	1	356166	356152	356161
§	Stud ▲	2	400404	400404	400404
§	Hex Nut ▲	2	407202	407202	407202
§	Braided Seal ▲	3	427658	427664	427674
90	Seal Retaining Ring ▲	1	353054	354089	355066
92	Drive 1-1/2" Dia. Shaft ♦	1	243562	244594	---
	2" Dia.	1	243563	244595	355175
	2-7/16" Dia.	1	243564	244596	355176
	3" Dia.	1	243565	244597	355177
	3-7/16" Dia.	1	---	244598	355178
94	Key ▲	1	443089	443114	443239
	Seal Kit ♦	1	389720	389721	389722
34	Input Seal ▲	1	243558	244524	355011
68	Output Seal ▲	2	243578	244673	245545
25	Input Bearing Cover Gasket ▲	1	243561	244593	245220
96	Hydroil Input Pinion				
	15:1 Ratio ♦	1	243553	244583	245603
	25:1 Ratio ♦	1	243554	244584	245604
102	Hydroil Motor Adapter				
	15:1 Ratio ♦	1	243539	244572	245606
	25:1 Ratio ♦	1	243541	244572	245607
104	Adapter Screw	4	417081	417108	415023
106	Lockwasher				
	15:1 Ratio ♦	4	419046	419047	---
	25:1 Ratio ♦	4	419046	419047	419047

Notes:

- § Not shown on drawing.
- ♦ Includes Parts Listed Immediately Below Marked ▲
- ▲ See Table 7 for actual ratio.
- Included in Housing Assembly

**PARTS FOR SCXT309A - SCXT315A - SCXT325A - SCXT409A - SCXT415A - SCXT425A
SCXT509B - SCXT515B - SCXT525B - HSCXT315A - HSCXT325A
HSCXT415A - HSCXT425A - HSCXT515B - HSCXT525B
SCREW CONVEYOR AND HYDROIL SCREW CONVEYOR DRIVE**



HSCXT3A, HSCXT4A and HSCXT5B

Note: Parts for HSCXT Screw Conveyor Drives are the same as for SCXT Screw Conveyor Drives, except as noted in this view.

Ref.	Name of Part	No. Req'd	(H)SCXT 3A	(H)SCXT 4A	(H)SCXT 5B
1	(H)SCXT Housing	1	243536	244569	245589
❖	Air Vent	1	241237	241237	245237
4	Housing Bolt	6	411440	411442	411464
6	Lockwasher	6	419012	419012	419013
❖	Washer	4	419094	419094	419096
10	Hex Nut	8	407089	407089	407091
12	Dowel Pin	2	420055	420055	420110
❖	Pipe Plug	2	430031	430031	430033
❖	Magnetic Drain Plug	1	430060	430060	430062
20	Countershaft Bearing Carrier (Input Side)	1	243545	244578	245594
22	Countershaft Bearing Cover (Output Side)	1	243559	244495	244574
23	C'shaft Bearing Cover Screw	4	416524	---	411394
24	Backstop Cover	1	243560	244493	245547
26	Backstop Cover Screw	4	416524	411035	411406
27	Lockwasher	4 @	---	419009	419009
28	Input Bearing Shim Pack	2 Sets	389704	389711	389732
29	Input Shaft Seal Carrier	1	243543	244577	245597
32*	Input Shaft 9:1 Ratio	1	243549	244579	245599
	with Pinion 15:1 Ratio	1	243550	244580	245600
	25:1 Ratio	1	243551	244581	245601
33	Input Shaft Key	1	443032	443082	443113
36*	Input Shaft Bearing Cone	1	402204	402280	402144
37*	(Input Side) Cup	1	403139	403027	403104
38*	Input Shaft Bearing Cone	1	402273	402142	402269
39*	(Output Side) Cup	1	403094	403102	403073
44	C'shaft Bearing Shim Pack	2 Sets	389706	389712	389718
	Countershaft 9:1 Ratio	1	389729	389730	389731
	Assembly * 15:1 Ratio	1	389700	389707	389714
	25:1 Ratio	1	389701	389708	389715
45	▲ Countershaft with Pinion	1	243555	244590	245596
46	▲ First Reduction 9:1 Ratio	1	243482	244482	245482
	Gear 15:1 Ratio	1	243214	244214	245214
	25:1 Ratio	1	243212	244212	245212
47	▲ Gear Key	1	243215	244215	244215
48*	Countershaft Bearing Cone	1	402273	402000	402203
49*	(Input Side) Cup	1	403094	403000	403027
50*	Countershaft Bearing Cone	1	402273	402000	402203
51*	(Output Side) Cup	1	403094	403000	403027
	Output Hub Assembly *	1	389702	389709	389716
54*	▲ Output Hub	1	243557	244589	245591
56*	▲ Output Hub Gear	1	243570	244188	245186
58*	▲ Output Hub Gear Key	1	389733	391015	391026
62	Output Hub Seal Carrier	1	243547	244591	245592
64	Carrier Screw	†	411390	411407	411407
66	Lockwasher	†	419010	419011	419011
70*	Output Hub Bearing Cone	2	402272	402268	402193
72*	Cup	2	403127	403163	403016
74	Output Hub Shim Pack	2 Sets	389706	389713	389719
76	Retainer Bolt	1	411551	411551	411551
78	Lockwasher	1	419016	419016	419016
80	Shaft Retainer	1	353053	354088	355065
	Adapter Assembly * †	1	353047	354121	355072
82	▲ Adapter	1	353081	354081	355047
84	▲ Bolt	4	411456	411483	411483
86	▲ Lockwasher	4	419013	419014	419014
88	▲ Lip Seal	1	353085	354115	355067
❖	▲ Braided Seal	2	427658	427664	427674
90	▲ Seal Retaining Ring	1	353054	354089	355066
	Adjustable Adapter Assy *	1	356163	356149	356158
❖	▲ Adjustable Adapter	1	356164	356150	356159
84	▲ Bolt	4	411456	411483	411483
86	▲ Lockwasher	4	419013	419014	419014
❖	▲ Adj. Packing Retainer	1	356166	356152	356161
❖	▲ Stud	2	400404	400404	400404
❖	▲ Hex Nut	2	407202	407202	407202
❖	▲ Braided Seal	3	427658	427664	427674
90	▲ Seal Retaining Ring	1	353054	354089	355066
92	Drive 1 1/2" Dia.	1	243562	244594	---
	Shaft * 2" Dia.	1	243563	244595	355175
	2 7/16" Dia.	1	243564	244596	355176
	3" Dia.	1	243565	244597	355177
	3 7/16" Dia.	1	---	244598	355178
94	▲ Key	1	443089	443114	443239

Ref.	Name of Part	No. Req'd	(H)SCXT 3A	(H)SCXT 4A	(H)SCXT 5B
	Seal Kit * *	1	389720	389721	389722
25	▲ Backstop Cover Gasket	1	243561	244593	245220
34	▲ Input Seal	1	243558	244524	355011
68	▲ Output Seal	2	243578	244673	245545
❖	RTV Sealant, Tube	1	465044	465044	465044
96*	Hydroil Input 15:1 Ratio	1	243553	244583	245603
	Pinion 25:1 Ratio	1	243554	244584	245604
102	Hydroil Motor 15:1 Ratio	1	243539	244572	245606
	Adapter 25:1 Ratio	1	243541	244572	245607
104	Adapter Screw	4 *	417081	417108	415023
106	Lockwasher	4 *	419046	419047	---

* Includes parts listed immediately below marked "▲".

▲ Makes up assembly under which listed.

❖ Not shown on drawing.

* 5 req'd for (H)SCXT5B.

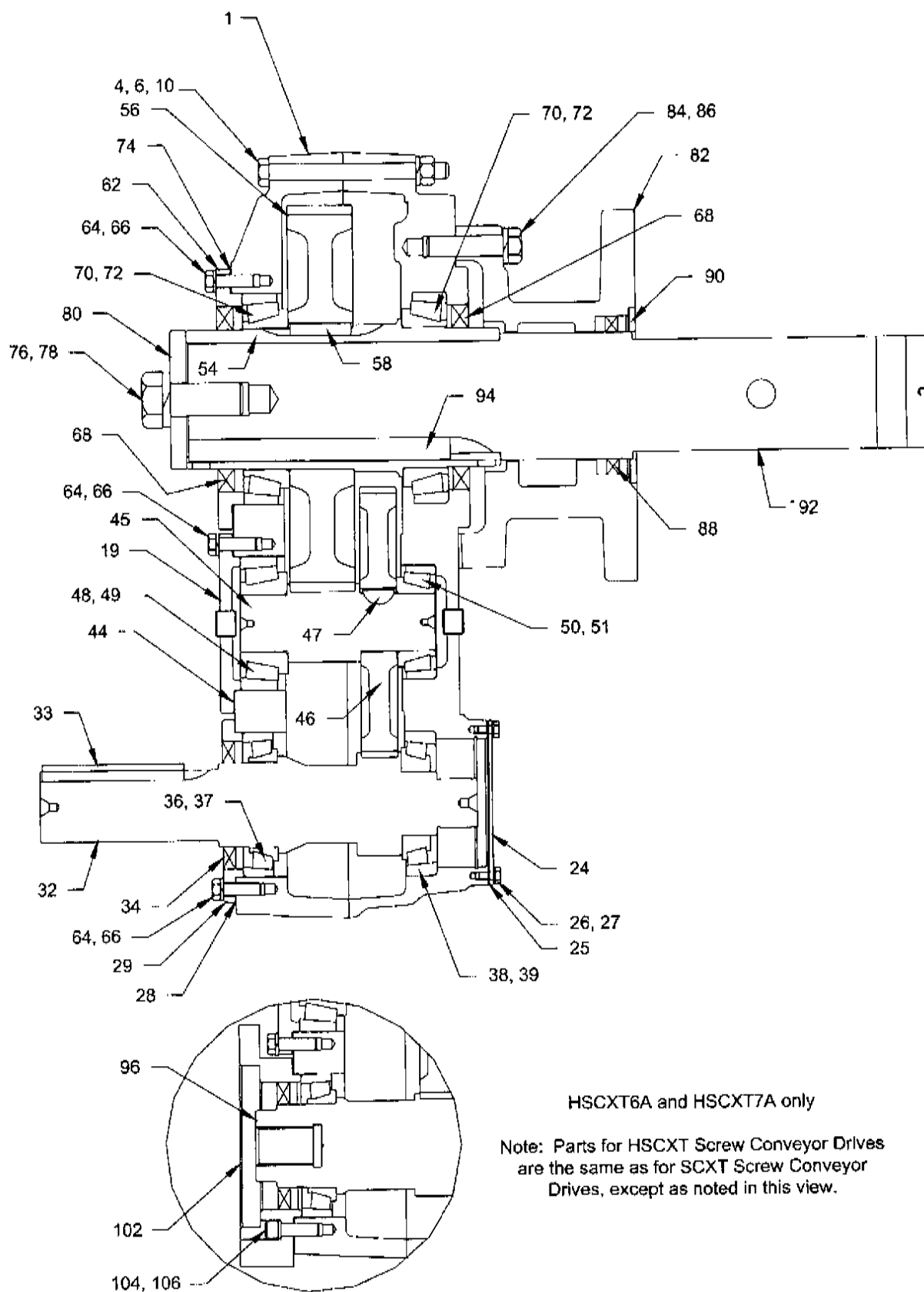
† 14 req'd for SCXT3A and SCXT4A. 15 req'd for SCXT5B.

10 req'd for HSCXT3A, HSCXT4A and HSCXT5B.

* Recommended spare parts.

@ 8 req'd for (H)SCXT5B.

Parts for SCXT / HSCXT 6A thru 8A Double Reduction Screw Conveyor and Hydroil Screw Conveyor Drive



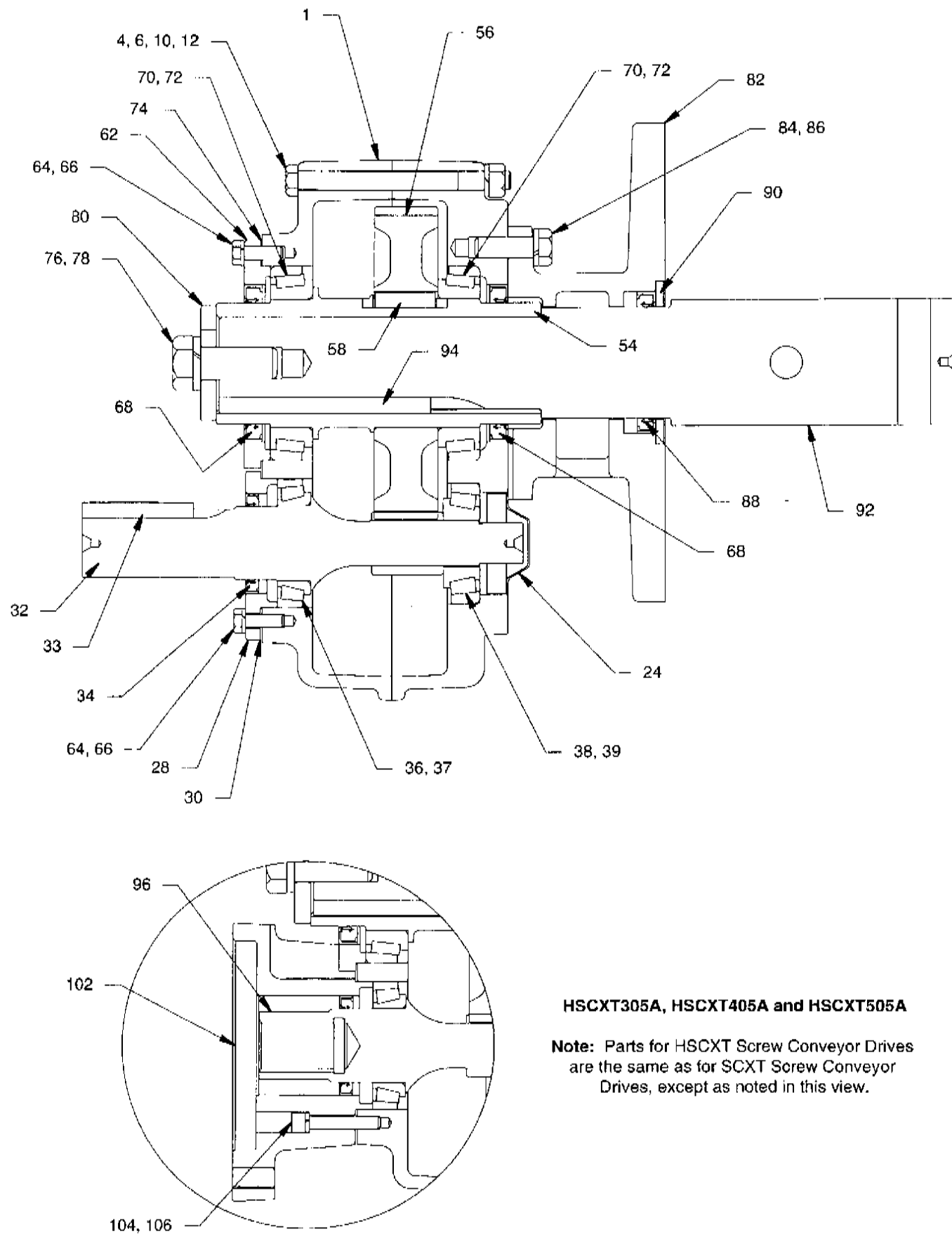
Ref.	Description	Qty.	(H)SCXT 6A	(H)SCXT 7A	SCXT 8A
1	Housing Assembly	1	356279	356280	248487
§	RTV Sealant, Tube	1	465044	465044	465044
§	Air Vent	1	904287	904287	904287
§	Air Vent Bushing	1	—	430079	430079
4	Housing Bolt	†	411466	411498	411499
6	Lock Washer	†	419013	419016	419016
10	Hex Nut	†	407091	407095	407095
12	Dowel Pin •	2	304624	304624	304624
§	Magnetic Oil Plug	1	430062	430064	430064
§	Oil Plug	4	430033	430035	430035
24	Input Shaft Bearing Cover	1	246226	246226	248226
26	Bearing Cover Screw	6	411394	411394	411394
27	Lockwasher	6	419009	419009	419009
28	Input Bearing Shim Pack	2 Sets	391164	390420	390038
29	Input Shaft Seal Carrier	1	246184	247320	258023
32	Input Pinion				
	9:1 Ratio ♣	1	246481	247479	248482
	15:1 Ratio ♣	1	246290	247370	248370
	25:1 Ratio ♣	1	246291	247371	248371
33	Input Pinion Key	1	443113	443127	443133
36	Input Bearing-LH Cone	1	402196	402150	402098
37	Cup	1	403091	430106	403072
38	Input Bearing-RH Cone	1	402197	402088	402097
39	Cup	1	403091	403047	403072
44	Countershaft Bearing Shim Pack	2 Sets	391165	390429	391182
	Countershaft Assembly ♣				
	9:1 Ratio ♣	1	392140	392141	---
	15:1 Ratio ♣	1	391171	391196	391184
	25:1 Ratio ♣	1	391186	391197	391185
45	Countershaft with Pinion ▲	1	246294	247002	248002
46	First Reduction Gear ▲				
	9:1 Ratio ♣	1	246482	247478	248483
	15:1 Ratio ♣	1	246292	247008	248213
	25:1 Ratio ♣	1	246293	247005	248214
47	Gear Key ▲	1	245218	247218	248218
48	Countershaft Bearing-LH Cone	1	402054	402256	402057
49	Cup	1	403159	403053	403143
50	Countershaft Bearing-RH Cone	1	402052	402256	402148
51	Cup	1	403142	403053	403106
	Output Hub Assembly ♣	1	390988	390990	390993
54	Output Hub ▲	1	246338	247338	248332
56	Output Gear ▲	1	246295	247215	248215
58	Output Gear Key ▲	1	245217	245217	248217
62	Output Hub Seal Carrier	1	246187	247315	258021
64	Carrier Screw	Δ	411408	411433	411408
66	Lockwasher	Δ	419011	419012	419011
70	Output Hub Bearings Cone	2	402050	402058	402147
72	Cup	2	403140	403111	403105
74	Output Hub Shim Pack	2 Sets	391187	390444	390048
76	Retainer Bolt	1	411552	411552	411552
78	Lockwasher	1	419020	419020	419020
80	Shaft Retainer	1	356047	356191	248486

Ref.	Description	Qty.	(H)SCXT 6A	(H)SCXT 7A	SCXT 8A
	Adapter Assembly ♣	1	356055	356187	248470
82	Adapter ▲	1	356049	356189	248471
84	Bolt ▲	4	411487	411496	411496
86	Lockwasher ▲	4	419014	419016	419016
88	Lip Seal ▲	1	355054	355054	355054
§	Braided Seal ▲	2	427687	427687	---
90	Seal Retaining Ring ▲	1	356054	356054	248481
	Adjustable Adapter Assembly ♣	1	356154	356192	---
§	Adjustable Adapter ▲	1	356155	356193	---
84	Bolt ▲	4	411487	411496	---
86	Lockwasher ▲	4	419014	419016	---
§	Adjustable Packing Retainer ▲	1	356157	356157	---
§	Stud ▲	2	400404	400404	---
§	Hex Nut ▲	2	407202	407202	---
§	Braided Seal ▲	3	427687	427687	---
90	Seal Retaining Ring ▲	1	356054	356054	---
92	Drive 1-1/2" Dia.	1	356040	356180	---
	Shaft ♣ 2" Dia.	1	356041	356181	---
	2-7/16" Dia.	1	356042	356182	---
	3" Dia.	1	356043	356183	248473
	3-7/16" Dia.	1	356044	356184	248474
94	Key ▲	1	443288	443289	443289
	Seal Kit ♣	1	246340	247345	248340
34	Input Seal ▲	1	242210	242210	248211
68	Output Seal ▲	2	246310	247310	258019
25	Input Bearing Cover Gasket ▲	1	246220	246220	248220
96	Hydroil Input Pinion 15:1 Ratio ♣	1	246230	247463	---
	25:1 Ratio ♣	1	246286	247462	---
102	Hydroil Motor Adapter	1	246465	247464	---
104	Adapter Screw	6	417108	417141	---
106	Lockwasher	6	419047	419048	---

Notes:

- § Not shown on drawing.
- ♣ Includes Parts Listed Immediately Below Marked ▲
- ♣ See Table 7 for actual ratio.
- † 8 required on SCXT6A and SCXT7A, 11 required on SCXT8A
- Δ 18 Required on SCXT6A, 20 Required on SCXT7A, and 24 Required on SCXT8A.
- Included in Housing Assembly

**PARTS FOR SCXT305A, SCXT405A, SCXT505A, HSCXT305A, HSCXT405A & HSCXT505A
SCREW CONVEYOR AND HYDROIL SCREW CONVEYOR DRIVE**



HSCXT305A, HSCXT405A and HSCXT505A

Note: Parts for HSCXT Screw Conveyor Drives are the same as for SCXT Screw Conveyor Drives, except as noted in this view.

Ref.	Name of Part	No. Req'd	(H)SCXT 305A	(H)SCXT 405A	(H)SCXT 505A
1	(H)SCXT Housing	1	253169	254220	255220
❖	Air Vent	1	241237	241237	245237
4	Housing Bolt	8	411440	411442	411464
6	Lockwasher	8	419012	419012	419013
❖	Washer	4	419094	419094	419096
10	Hex Nut	8	407089	407089	407091
12	Dowel Pin	2	420055	420055	420110
❖	Pipe Plug	2	430031	430031	430033
❖	Magnetic Drain Plug	1	430060	430060	430062
24	Input Shaft Bearing Cover	1	253149	254275	245624
28	Input Shaft Seal Carrier	1	253177	254224	255224
30*	Input Shaft Brg Shim Pack	2 Sets	389723	389724	389725
32*	Input Shaft with Pinion	1	253170	254230	255221
33	Input Shaft Key	1	443078	443096	443113
36*	Input Shaft Bearing Cone	1	402190	402179	402270
37*	(Input Side) Cup	1	403132	403006	403026
38*	Input Shaft Bearing Cone	1	402271	402285	402266
39*	(Output Side) Cup	1	403101	403125	403073
	Output Hub Assembly *	1	389702	389709	389716
54*	▲ Output Hub	1	243557	244589	245591
56*	▲ Output Hub Gear	1	243570	244188	245186
58*	▲ Output Hub Gear Key	2	243216	244217	355064
62	Output Hub Seal Carrier	1	243547	244591	245592
64	Carrier Screw	10*	411390	411407	411407
66	Lockwasher	10*	419010	419011	419011
70*	Output Hub Bearing Cone	2	402272	402268	402193
72*	(Output Side) Cup	2	403127	403163	403016
74	Output Hub Shim Pack	2 Sets	389706	389713	389719
76	Retainer Bolt	1	411551	411551	411551
78	Lockwasher	1	419016	419016	419016
80	Shaft Retainer	1	353053	354088	355065
	Adapter Assembly *	1	353047	354121	355072
82	▲ Adapter	1	353081	354081	355047
84	▲ Bolt	4	411456	411483	411483
86	▲ Lockwasher	4	419013	419014	419014
88	▲ Lip Seal	1	353085	354115	355067
❖	▲ Braided Seal	2	427658	427664	427674
90	▲ Seal Retaining Ring	1	353054	354089	355066
	Adjustable Adapter Assy *	1	356163	356149	356158
❖	▲ Adjustable Adapter	1	356164	356150	356159
84	▲ Bolt	4	411456	411483	411483
86	▲ Lockwasher	1	419013	419014	419014
❖	▲ Adj. Packing Retainer	1	356166	356152	356161
❖	▲ Stud	2	400404	400402	400402
❖	▲ Hex Nut	2	407202	407202	407202
❖	▲ Braided Seal	3	427658	427664	427674
90	▲ Seal Retaining Ring	1	353054	354089	355066
92	Drive 1 1/2" Dia.	1	243562	244594	---
	Shaft * 2" Dia.	1	243563	244595	355175
	2 7/16" Dia.	1	243564	244596	355176
	3" Dia.	1	243565	244597	355177
	3 7/16" Dia.	1	---	244598	355178
94	▲ Key	1	443098	443114	443239
	Seal Kit *	1	389726	389727	389728
34	▲ Input Seal	1	351123	355011	245546
68	▲ Output Seal	2	243578	244673	245545
❖	RTV Sealant, Tube	1	465044	465044	465044
96*	Hydroil Input Pinion	1	253171	254231	255222
102	Hydroil Motor Adapter	1	253172	254222	255226
104	Adapter Screw	6 †	417090	417120	417120
106	Lockwasher	6 †	419046	419047	419047

* Includes parts listed immediately below marked "▲".

▲ Makes up assembly under which listed.

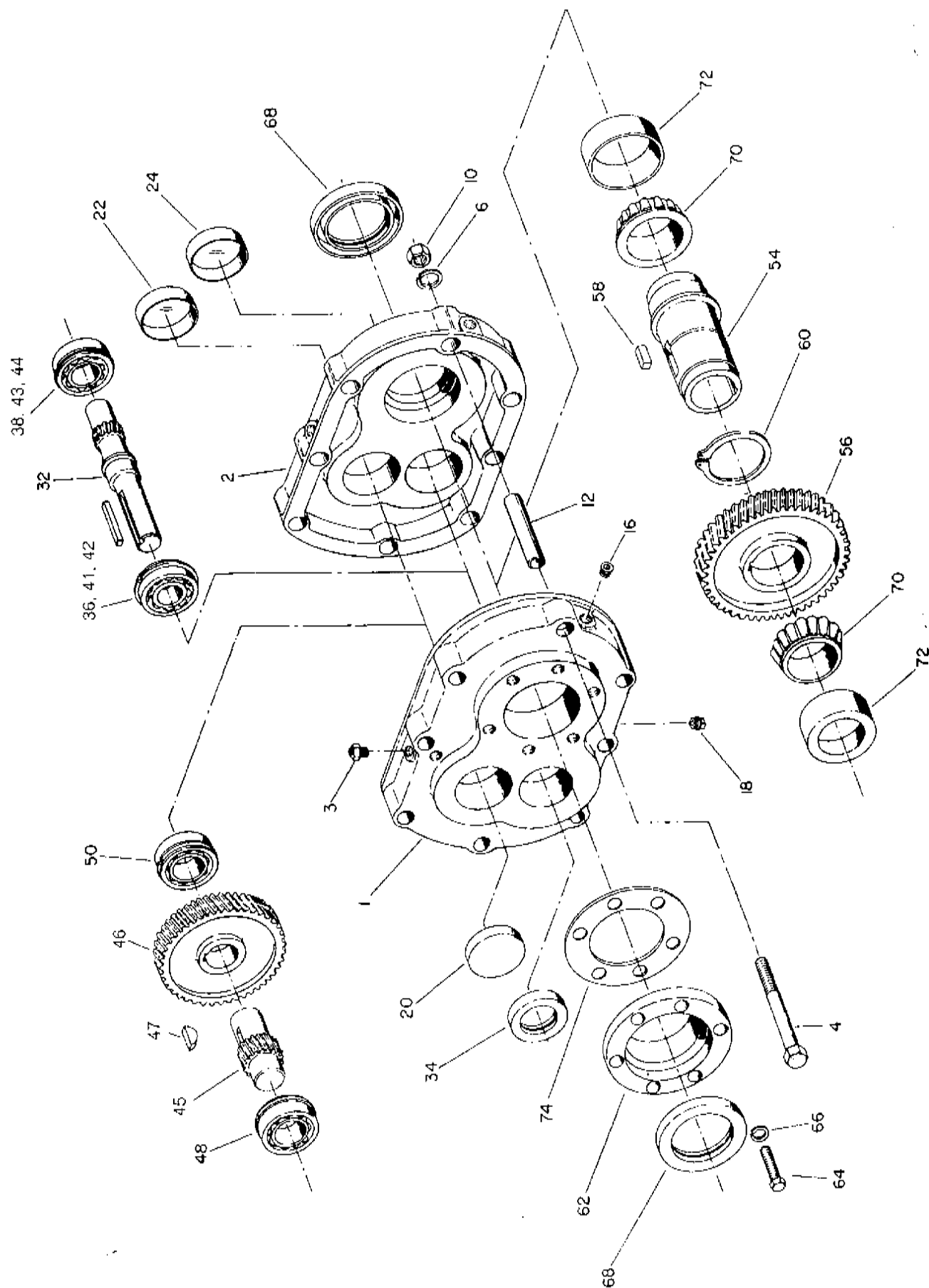
❖ Not shown on drawing.

• 12 req'd for SCXT505A, 6 req'd for HSCXT305A, HSCXT405 and HSCXT505A.

† 4 req'd for HSCXT305A.

• Recommended spare parts.

Parts for SCXT1 Thru SCXT5A Screw Conveyor Drive Speed Reducers



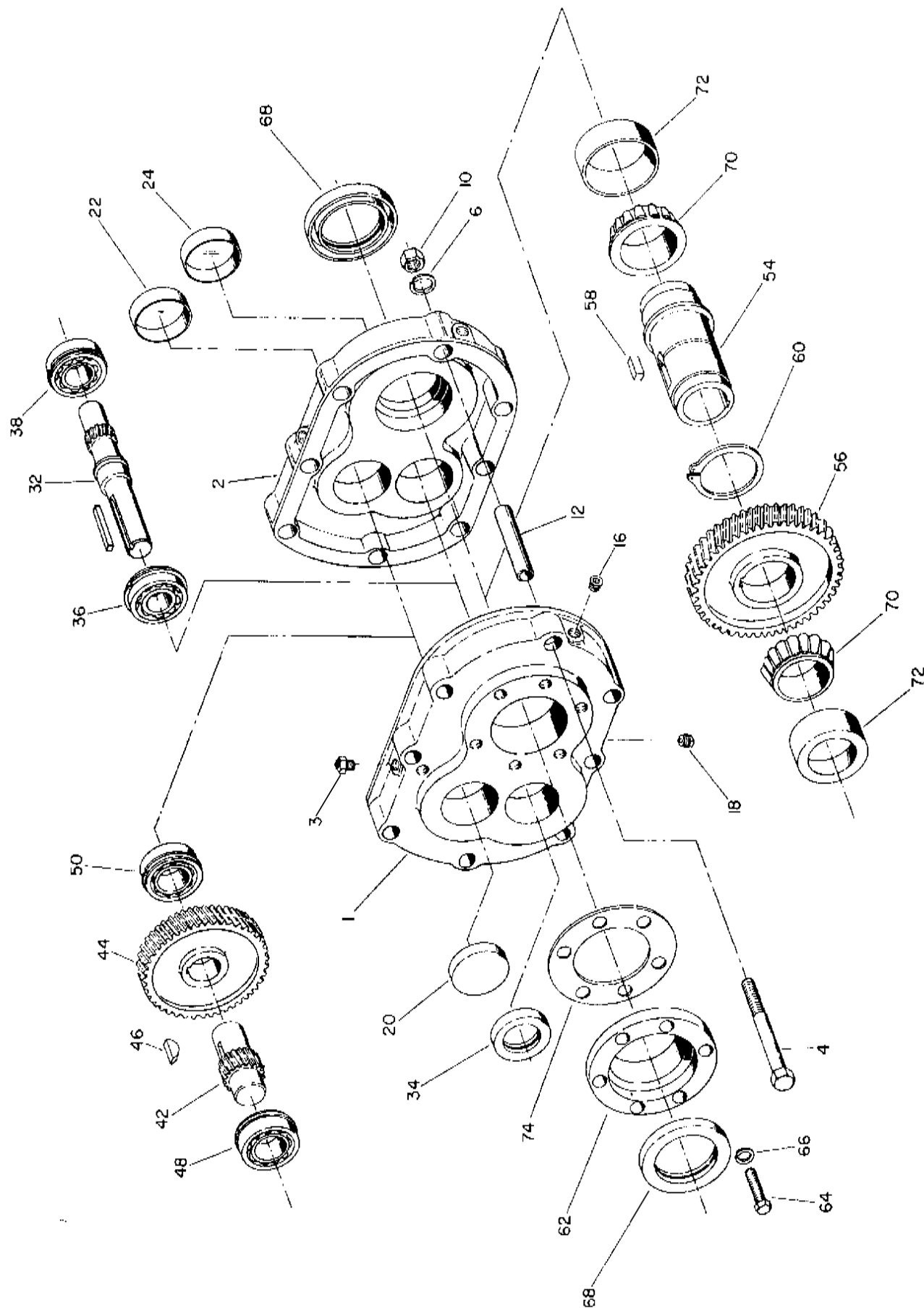
Reference	Name of Part	No. Req'd.	SCXT115 and SCXT125	SCXT215 and SCXT225	SCXT315 and SCXT325	SCXT415 and SCXT425	SCXT515A and SCXT525A
			Part No.	Part No.	Part No.	Part No.	Part No.
	HOUSING		351225	352219	353219	354419	355164
3	Air Vent	1	241237	241237	241237	241237	245237
	Housing Bolt		411418	411418	411440	411442	411464
	Lockwasher		419011	419011	419012	419012	419013
	Washer	1	419092	—	—	—	419096
10	Hex Nut	2	407087	407087	407089	407089	407091
12	Dowel Pin	5	420092	420091	420055	420055	420110
16	Pipe Plug	1	430031	430031	430031	430031	430033
18	Magnetic Drain Plug	1	430060	430060	430060	430060	430062
20	Countershaft Bearing Cover						
	Input Side	1	242224	242224	243195	354114	355060
	Countershaft Bearing Cover Gasket (Input Side)	1	—	—	—	354113	—
	Countershaft Bearing Cover Screw (Input Side)	4	—	—	—	415022	—
22	Countershaft Bearing Cover—Adapter Side	1	241224	243224	243224	243224	355060
24	Input Shaft Bearing Cover	1	361082	354112	354112	364062	355059
26	Input Shaft Seal Carrier		—	—	—	—	245538
27	Input Shaft Bearing Shim Pack						391799
	.002" Shim		—	—	—	—	427550
	.005" Shim		—	—	—	—	427551
	.010" Shim		—	—	—	—	427552
	.025" Shim		—	—	—	—	427553
28	Carrier Bolts		—	—	—	—	411407
29	Lock Washers		—	—	—	—	419011
	Retainer Bolt	1	411549	411549	411551	411551	411551
	Lockwasher	1	419014	419014	419016	419016	419016
	Shaft Retainer	1	351116	352116	353053	354088	355065
32*	Input Shaft 9:1 Ratio and Pinion	1	241481	242481	243481	244481	245529
	15:1 Ratio	1	241302	242186	243059	244225	245530
	25:1 Ratio	1	241200	242187	243058	244226	245531
*	Input Shaft Key	1	443000	443014	443032	443082	443113
36*	Input Shaft Bearing — Input Side	1	424112	424019	424087	424089	—
38*	Input Shaft Bearing — Adapter Side	1	424017	424000	424000	424002	—
41	Input Shaft Bearing Cone		—	—	—	—	402144
42	Input Side Cup		—	—	—	—	403104
43	Input Shaft Bearing Cone		—	—	—	—	402266
44	Adapter Side Cup		—	—	—	—	403073
5	COUNTERSHAFT ASSEMBLY*						
	9:1 Ratio	1	392100	392101	392102	392103	392104
	15:1 Ratio	1	392090	392092	392094	392096	392098
	25:1 Ratio	1	392091	392093	392095	392097	392099
6	▲Countershaft and Pinion	1	241216	242185	243185	244185	245185
	▲First Reduction	1	241482	242482	243482	244482	245482
	9:1 Ratio	1	241170	242008	243214	244214	245214
	15:1 Ratio	1	241171	242005	243212	244212	245212
	25:1 Ratio	1	241309	242218	243215	244215	245215
47	▲Gear Key	1	241309	242218	243215	244215	245215
48*	Countershaft Bearing — Input Side	1	424006	424000	424002	424073	424010
50*	Countershaft Bearing — Adapter Side	1	424005	424000	424000	424069	424010
54*	OUTPUT HUB ASSEMBLY*	1	391029	392105	392106	392107	392108
	▲Output Hub	1	351112	352112	353049	354085	355049
56*	▲Output Hub Gear	1	241007	242181	243222	244188	245186
58*	▲Output Hub Gear Key	1	241217	443399	243216	391015	391026
60*	▲Snap Ring	1	421013	421017	421021	—	—
62	Output Hub Seal Carrier	1	351114	352114	353083	354083	355052
64	Carrier Screw	6	411405	411407	411407	411407	411407
66	Lockwasher	6	419010	419011	419011	419011	419011
70*	Output Hub Bearing — Cone	2	402246	402247	402003	402250	402007
72*	Output Hub Bearing — Cup	2	403149	403150	403003	403153	403007
74*	Output Hub Shim Pack	1 Set	391056	391059	391062	391065	391068
	.002" Thick	†	427424	427428	427436	427420	427444
	.005" Thick	†	427425	427429	427437	427421	427445
	.010" Thick	†	427426	427430	427438	427422	427446
	.025" Thick	†	427427	427431	427439	427423	427447
	ADAPTER* "A" ASSEMBLY	1	351086	352052	353047	354121	355072
	"B" ASSEMBLY	1	351087	352053	353047	354121	355072
	▲Bolt	4	411408	411433	411456	411483	411483
	▲Lockwasher	4	419011	419012	419013	419014	419014
	▲Lip Seal	1	351123	352122	353085	354115	355067
	▲Braided Seal	2	427663	427659	427654	427674	427674
	▲Seal Retaining Ring	1	351121	352121	353054	354089	355066
	DRIVE SHAFT						
	1 1/2" Dia.	1	351094	352090	353042	—	—
	2" Dia.	1	351095	352091	353043	354117	355076
	2 7/16" Dia.	1	351096	352092	353044	354118	355077
	3" Dia.	1	351097	352093	353045	354119	355078
	3 7/16" Dia.	1	—	—	—	354120	355079
	▲Key	1	443287	443223	443089	443114	443239
34	SEAL KIT*	1	272711	272712	272713	272714	272715
	▲Input Seal	1	241457	242211	243211	244211	355011
68	▲Output Seal	2	351113	352113	353052	354086	355054

* Includes parts listed immediately below marked "▲". Housing also includes two-piece housing Series SCXT1 & SCXT5A only. Adapter Assembly also includes adapter.
 ▲ These parts make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing Series SCXT1 & SCXT5A only. Adapter Assembly also includes adapter.
 Δ For manufacturers part number see tables 4, 5, and 6 on page 5.
 † Not shown on drawing.
 ‡ One set consists of one each of the shims listed immediately below marked "†".
 † See last paragraph under "ORDERING PARTS".
 ‡ 6 req'd. for SCXT1 Series; 8 req'd. for SCXT2 Series; 8 req'd. for SCXT3, SCXT4, and SCXT5A Series.

◆ Includes roll pin for SCXT4 and SCXT5A Series.
 ■ Used only on SCXT1 and SCXT2 with 1 1/2" Dia. shafts.
 * Recommended spare parts.
 § Double row ball bearing on SCXT415 & SCXT425

PARTS FOR SCXT115 thru SCXT525 SCREW CONVEYOR DRIVE SPEED REDUCERS

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List.
Each six digit number is a complete identification of the part or assembly.



PARTS FOR SCXT115 thru SCXT525 SCREW CONVEYOR DRIVE SPEED REDUCERS

Reference	Name of Part	No. Req'd.	SCXT115 and SCXT125	SCXT215 and SCXT225	SCXT315 and SCXT325	SCXT415 and SCXT425	SCXT515 and SCXT525
			Part No.	Part No.	Part No.	Part No.	Part No.
	HOUSING		351225	352219	353219	354419	355219
3	Air Vent	1	241237	241237	241237	241237	245237
4	Housing Bolt		411418	411418	411440	411442	411484
6	Lockwasher		419011	419011	419012	419012	419013
4	Washer	1	419092	.....	.....	.....	419096
10	Hex Nut	1	407087	407087	407089	407089	407091
12	Dowel Pin	2	420092	420091	420055	420055	420110
16	Pipe Plug	5	430031	430031	430031	430031	430033
18	Magnetic Drain Plug	1	430060	430060	430060	430060	430062
20	Countershaft Bearing Cover — Input Side	1	242224	242224	243195	354114	355060
4	Countershaft Bearing Cover Gasket (Input Side)	1	.....	.....	.....	.....	354113
4	Countershaft Bearing Cover Screw (Input Side)	4	.....	.....	.....	.....	415022
22	Countershaft Bearing Cover — Adapter Side	1	241224	243224	243224	243224	355060
24	Input Shaft Bearing Cover	1	361082	354112	354112	364062	355069
4	Retainer Bolt	1	411549	411549	411561	411551	411551
4	Lockwasher	1	419014	419014	419016	419016	419016
4	Shaft Retainer	1	351116	352116	353053	354088	355065
32*	Input Shaft { 15:1 Ratio and Pinion { 25:1 Ratio	1	241302	242186	243009	244009	245009
*	Input Shaft Key	1	241200	242187	243004	244004	245004
34*	Input Shaft Seal	1	443000	443014	443032	443082	443113
36*	Input Shaft Bearing - Input SideΔ	1	241457	242203	243203	244203	245203
36*	Input Shaft Bearing - Adapter SideΔ	1	390283	392076	392079	392080	390298
36*	Input Shaft Bearing - Adapter SideΔ	1	392077	392075	390288	390295	392082
42	COUNTERSHAFT ASSEMBLY* { 15:1 Ratio { 25:1 Ratio	1	392090	392092	392094	392096	392098
42	▲Countershaft and Pinion	1	392091	392093	392095	392097	392099
44*	▲First Reduction Gear { 15:1 Ratio { 25:1 Ratio	1	241216	242185	243185	244185	245185
44*	▲First Reduction Gear { 15:1 Ratio { 25:1 Ratio	1	241170	242008	243214	244214	245214
46*	▲Gear Key	1	241171	242005	243212	244212	245212
46*	▲Gear Key	1	241309	242218	243215	244215	244215
48*	Countershaft Bearing - Input SideΔ§	1	391757	392075	390295	391759	390302
50*	Countershaft Bearing - Adapter SideΔ	1	391757	392075	390288	392076	390302
54*	OUTPUT HUB ASSEMBLY*	1	391029	392105	392106	392107	392108
54*	▲Output Hub	1	351112	352112	353049	354085	355049
56*	▲Output Hub Gear	1	241007	242181	243222	244188	245186
58*	▲Output Hub Gear Key	1	241217	443399	243216	391015	391026
60*	▲Snap Ring	1	421013	421017	421021	.....	.....
62	Output Hub Seal Carrier	1	351114	352114	353083	354083	355052
64	Carrier Screw	6	411405	411407	411407	411407	411407
65	Lockwasher	6	419010	419011	419011	419011	419011
68*	Output Hub Seal	2	351111	352111	353059	354093	355070
70*	Output Hub Bearing - ConeΔ	2	390804	390812	391988	390836	391990
72*	Output Hub Bearing - CupΔ	2	390809	390816	391989	390841	391991
74*	Output Hub Shim Pack	1 Set†	391056	391059	391062	391065	391068
4	‡.002" Thick	†	427424	427428	427436	427420	427444
4	‡.005" Thick	†	427425	427429	427437	427421	427445
4	‡.010" Thick	†	427426	427430	427438	427422	427446
4	‡.025" Thick	†	427427	427431	427439	427423	427447
4	ADAPTER* { "A" ASSEMBLY ■ { "B" ASSEMBLY	1	351096	352052	353047	354121	355072
4	▲Bolt	1	351087	352053	.....	.....	.....
4	▲Lockwasher	4	411408	411433	411456	411483	411483
4	▲Lip Seal	4	419011	419012	419013	419014	419014
4	▲Braided Seal	1	351123	352122	353085	354115	355067
4	▲Seal Retaining Ring	2	427663	427659	427658	427664	427674
4	▲Seal Retaining Ring	1	351121	352121	353054	354089	355066
4	DRIVE SHAFT* { 1-1/2" Dia. { 2" Dia. { 2-7/16" Dia. { 3" Dia. { 3-7/16" Dia.	1	351094	352090	353042	.....	.....
4	▲Key	1	351095	352091	353043	354117	355076
4	▲Key	1	351096	352092	353044	354118	355077
4	▲Key	1	351097	352093	353045	354119	355078
4	▲Key	1	.....	.....	.....	354120	355079
4	▲Key	1	443287	443223	443089	443114	443239

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing Series SCXT1 & SCXT5 only. Adapter Assembly also includes adapter.

▲ These parts make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing Series SCXT1 & SCXT5 only. Adapter Assembly also includes adapter.

Δ For manufactures part number see tables 4, 5, and 6 on page 5.

‡ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked "†".

‡ See last paragraph under "ORDERING PARTS".

● Series SCXT1 thru SCXT5 only when reducer was originally supplied with gasket.

§ 6 req'd. for SCXT1 Series; 7 req'd. for SCXT2 Series; 8 req'd. for SCXT3, SCXT4, and SCXT5 Series.

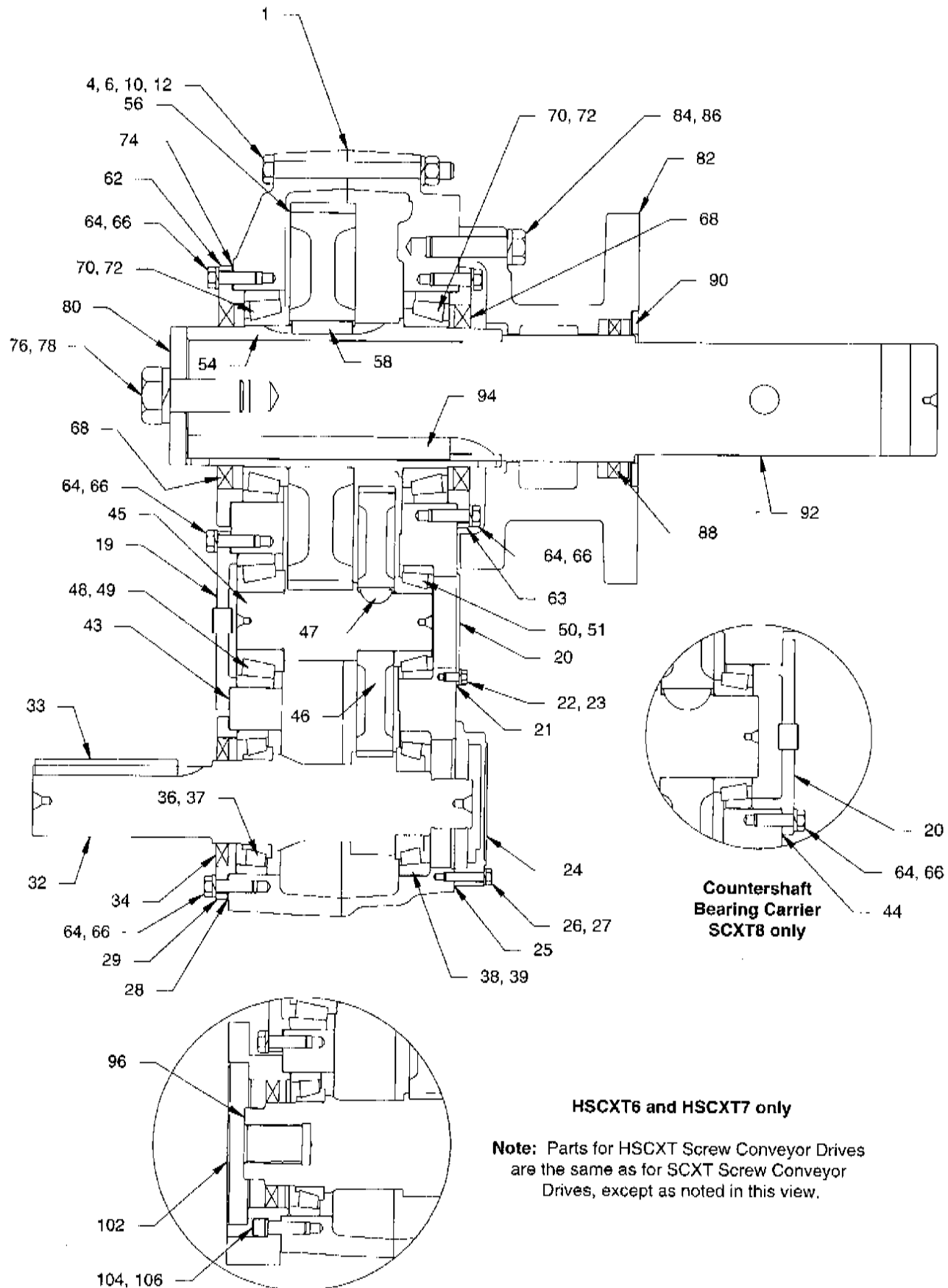
◆ Includes roll pin for SCXT4 and SCXT5 Series.

■ Used only on SCXT1 and SCXT2 with 1-1/2" Dia. shafts.

* Recommended spare parts.

§ Double row ball bearing on SCXT415 & SCXT425.

**PARTS FOR SCXT609 - SCXT615 - SCXT625 - SCXT709 - SCXT715 - SCXT725
SCXT815 - SCXT825 - HSCXT615 - HSCXT625 - HSCXT715 - HSCXT725
SCREW CONVEYOR AND HYDROIL SCREW CONVEYOR DRIVE**

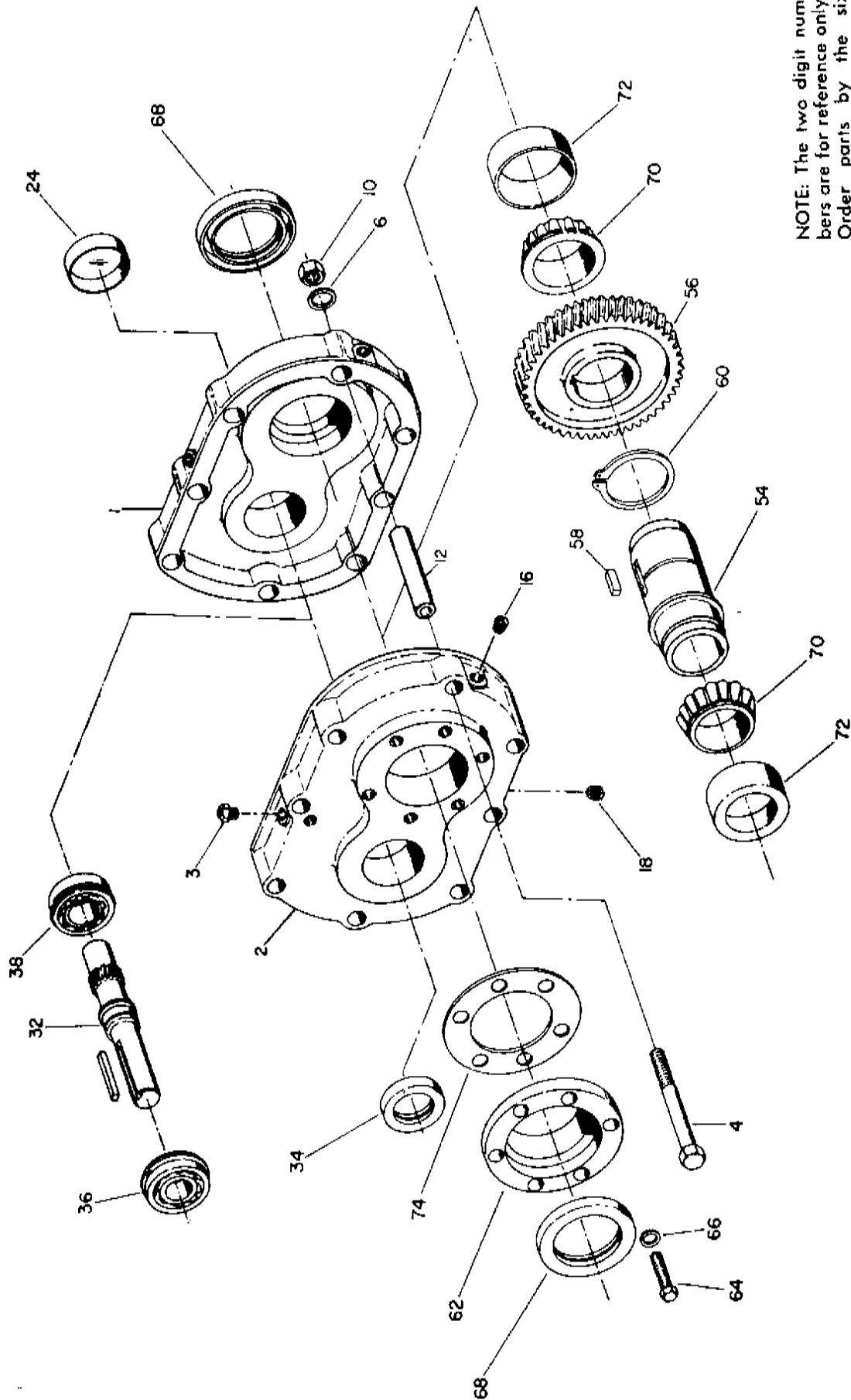


Ref.	Name of Part	No. Req'd	(H)SCXT 6	(H)SCXT 7	SCXT 8
1	(H)SCXT Housing	1	356279	356280	248487
4	Air Vent	1	245237	245237	245237
4	Housing Bolt	8	411466	411498	411499
6	Lockwasher	8	419013	419016	419016
6	Washer	2	419096	419082	419082
10	Hex Nut	8	407091	407095	407095
12	Dowel Pin	2	420112	420128	420128
12	Pipe Plug	5	430033	430035	430035
12	Magnetic Drain Plug	1	430062	430064	430064
19	Countershaft Bearing Carrier (Input Side)	1	246185	247194	248223
20	Countershaft Bearing Cover (Output Side)	1	246015	247011	248373
21*	C'shaft Bearing Cvr Gasket	1	246559	247559	---
22	C'shaft Bearing Cover Screw	6	411394	411394	---
23	Lockwasher	6	419009	419009	---
24	Backstop Cover	1	246221	247221	248010
26	Backstop Cover Screw	6	411404	411402	411402
27	Lockwasher	6	419009	419009	419009
28	Input Bearing Shim Pack	2 Sets	391164	390420	390038
29	Input Shaft Seal Carrier	1	246184	390420	258023
32*	Input Shaft 15:1 Ratio	1	246290	247370	248370
32*	with Pinion 25:1 Ratio	1	246291	247371	248371
33	Input Shaft Key	1	443113	443127	443133
36*	Input Shaft Bearing Cone	1	402196	402150	402098
37*	(Input Side) Cup	1	390687	403106	403072
38*	Input Shaft Bearing Cone	1	402197	402088	402097
39*	(Output Side) Cup	1	390687	403047	403072
43	C'shaft Bearing Shim Pack (Input Side)	2 Sets	391165	390427	391182
44	C'shaft Bearing Shim Pack (Output Side)	2 Sets	---	---	390419
45	Countershaft 15:1 Ratio Assembly * 25:1 Ratio	1	391171	391196	391184
45	▲ Countershaft with Pinion	1	391186	391197	248002
46	▲ First Reduction 15:1 Ratio	1	246292	247008	248213
46	Gear 25:1 Ratio	1	246293	247005	248214
47	Gear Key	1	245218	247218	248218
48*	Countershaft Bearing Cone	1	402054	402256	402057
49*	(Input Side) Cup	1	403159	403053	403143
50*	Countershaft Bearing Cone	1	402052	402256	402148
51*	(Output Side) Cup	1	403142	403053	403106
54*	Output Hub Assembly *	1	390988	390990	390993
56*	▲ Output Hub	1	246338	247338	248332
56*	▲ Output Hub Gear	1	246295	247215	248215
58*	▲ Output Hub Gear Key	2	245217	245217	248217
62	Output Hub Seal Carrier (Input Side)	1	246187	247315	258021
63	Output Hub Seal Carrier (Output Side)	1	246186	247315	258020
64	Carrier Screw	4	411408	411433	411408
66	Lockwasher	4	419011	419012	419011
70*	Output Hub Bearing Cone	2	402050	402058	402147
72*	Cup	2	403140	403111	403105
74	Output Hub Shim Pack	2 Sets	391187	390444	390048
76	Retainer Bolt	1	411552	411552	411552
78	Lockwasher	1	419020	419020	419020
80	Shaft Retainer	1	356047	356191	248486
82	Adapter Assembly * †	1	356055	356187	248470
84	▲ Adapter	1	356049	356189	248471
84	▲ Bolt	4	411487	411496	411496
86	▲ Lockwasher	4	419014	419016	419016
88	▲ Lip Seal	1 @	355054	355054	355054
88	▲ Braided Seal	2	427687	427687	---
90	▲ Seal Retaining Ring	1	356054	356054	248481
92	Adjustable Adapter Assy *	1	356154	356192	---
94	▲ Adjustable Adapter	1	356155	356193	---
84	▲ Bolt	4	411487	411496	---
86	▲ Lockwasher	4	419014	419016	---
92	▲ Adj. Packing Retainer	1	356157	356157	---
92	▲ Stud	2	400404	400404	---
92	▲ Hex Nut	2	407202	407202	---
92	▲ Braided Seal	3	427687	427687	---
90	▲ Seal Retaining Ring	1	356054	356054	---
92	Drive 1 1/2" Dia.	1	356040	356180	---
92	Shaft * 2" Dia.	1	356041	356181	---
92	2 7/16" Dia.	1	356042	356182	---
92	3" Dia.	1	356043	356183	248473
92	3 7/16" Dia.	1	356044	356184	248474
94	▲ Key	1	443288	443289	443289

Ref.	Name of Part	No. Req'd	(H)SCXT 6	(H)SCXT 7	SCXT 8
25	Seal Kit * *	1	246340	247345	248340
34	▲ Backstop Cover Gasket	1	246220	246220	248220
68	▲ Input Seal	1	242210	242210	248211
68	▲ Output Seal	2	246310	247310	258019
96*	RTV Sealant, Tube	1	465044	465044	465044
96*	Hydroil Input 15:1 Ratio	1	246230	247463	---
102	Pinion 25:1 Ratio	1	246286	247462	---
102	Hydroil Motor	1	246465	247464	---
104	Adapter Screw	6	417108	417141	---
106	Lockwasher	6	419047	419048	---

- * Includes parts listed immediately below marked "▲".
▲ Makes up assembly under which listed.
❖ Not shown on drawing.
• 24 req'd for SCXT6, 28 req'd for SCXT7.
18 req'd for HSCXT6, 22 req'd for HSCXT7.
48 req'd for SCXT8.
- Recommended spare parts.
@ 2 req'd for SCXT8.

PARTS FOR SCXT105 thru SCXT505 SCREW CONVEYOR DRIVE SPEED REDUCERS



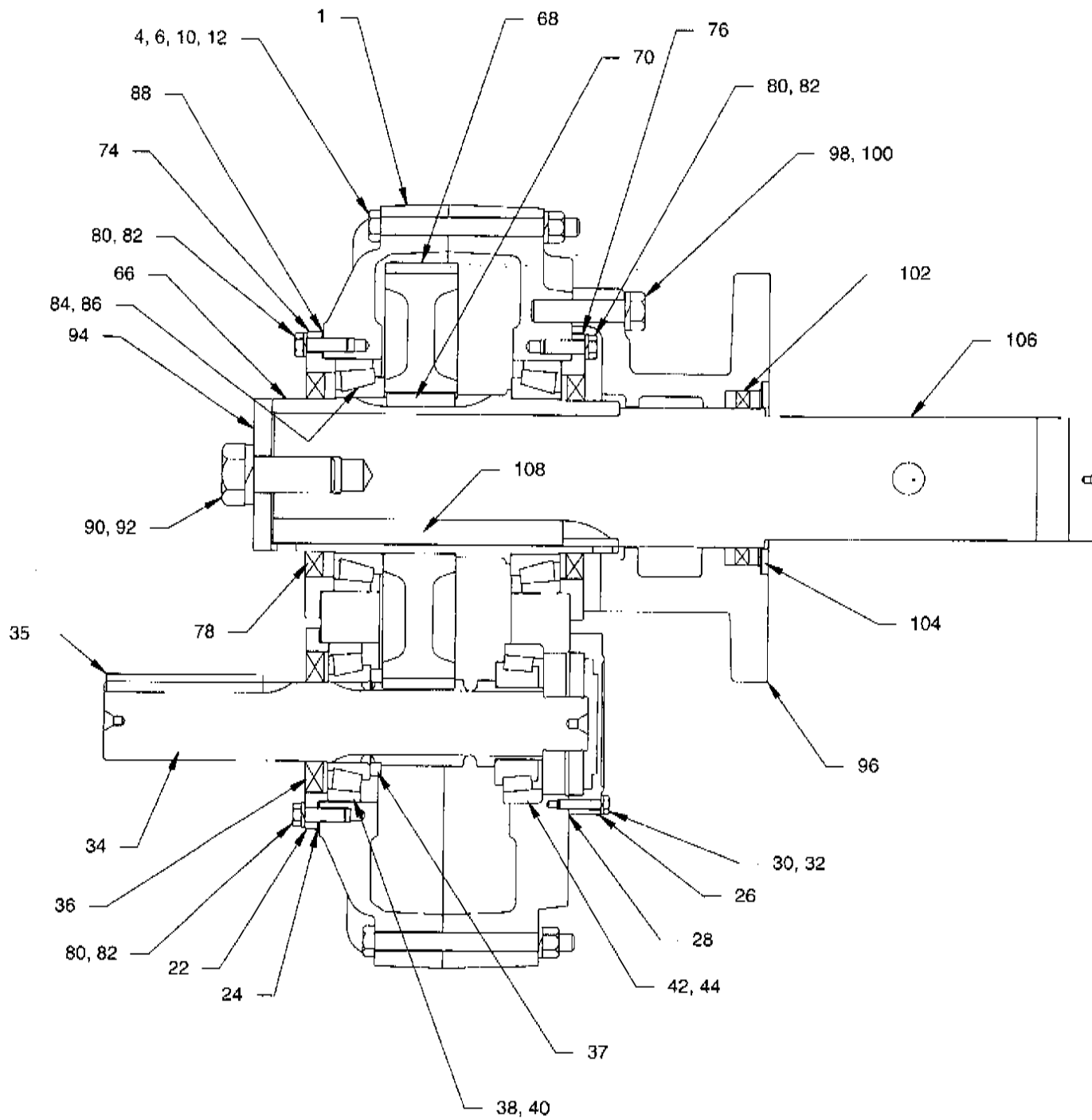
NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

PARTS FOR SCXT105 thru SCXT505 SCREW CONVEYOR SPEED REDUCERS

Reference	Name of Part	No. Req'd	SCXT105	SCXT205	SCXT305	SCXT405	SCXT505
			Part No.	Part No.	Part No.	Part No.	Part No.
	HOUSING	1	351235	352179	353230	354280	355159
		
3	Air Vent	1	241237	241237	241237	241237	245237
4	Housing Bolt	X	411418	411418	411440	411442	411464
6	Lockwasher	1	419011	419011	419012	419012	419013
↓	Washer	4	419092	419092	419094	419094	419096
10	Hex Nut	X	407087	407087	407089	407089	407091
12	Dowel Pin	2	420091	420091	420055	420055	420110
16	Pipe Plug	5	430031	430031	430031	430031	430033
18	Magnetic Drain Plug	1	430060	430060	430060	430060	430062
24	Input Shaft Bearing Cover	1	361062	364112	243224	364062	365069
↓	Retainer Bolt	1	411549	411549	411551	411551	411551
↓	Lockwasher	1	419014	419014	419016	419016	419016
↓	Shaft Retainer	1	351116	352116	353053	354088	355065
32*	Input Shaft and Pinion	1	251020	242214	243183	244122	245140
*	Input Shaft Key	1	443013	443052	443078	443111	443113
36*	Input Shaft Bearing - Input Side Δ	1	424076	424076	424080	424013	424083
38*	Input Shaft Bearing - Adapter Side Δ	1	424012	424000	424000	424088	424010
	OUTPUT HUB ASSEMBLY *	1	391029	392105	392106	392107	392108
54*	▲ Output Hub	1	351112	352112	353049	354085	355049
56*	▲ Output Hub Gear	1	241007	242181	243222	244188	245186
58*	▲ Output Hub Gear Key ♦	1	241217	443399	243216	391015	391026
60*	▲ Snap Ring	1	421013	421017	421021	.....	.....
62	Output Hub Seal Carrier	1	351114	362051	363021	364060	365021
64	Carrier Screw	6	411405	411407	411407	411407	411407
66	Lockwasher	6	419010	419011	419011	419011	419011
70*	Output Hub Bearing - Cone Δ	2	402003	402003	402003	402003	402007
72*	Output Hub Bearing - Cup Δ	2	403003	403003	403003	403003	403007
74*	Output Hub Shim Pack	1 Set †	391056	392160	392161	391065	391068
↓	ADAPTER * { A" ASSEMBLY ■	1	351086	352052	353047	354121	355072
↓	{ B" ASSEMBLY	1	351087	352053	353047	354121	355072
↓	▲ Bolt	4	411408	411433	411456	411483	411483
↓	▲ Lockwasher	4	419011	419012	419013	419014	419014
↓	▲ Lip Seal	1	351123	352122	353085	354115	355067
↓	▲ Braided Seal	2	427663	427659	427658	427664	427674
↓	▲ Seal Retaining Ring	1	351121	352121	353054	354089	355066
↓	DRIVE SHAFT * { 1½" Dia.	1	351094	352090	353042	.....	.....
	{ 2" Dia.	1	351095	352091	353043	354117	355076
	{ 2½" Dia.	1	351096	352092	353044	354118	355077
	{ 3" Dia.	1	351097	352093	353045	354119	355078
	{ 3½" Dia.	1	.....	.....	.....	354120	355079
↓	▲ Key	1	443287	443223	443089	443114	443239
↓	SEAL KIT	1	272716	272717	272718	272719	272720
34	▲ INPUT SEAL	1	242211	252063	253013	254063	255013
68	▲ OUTPUT SEAL	2	351113	352113	353052	354086	355054
14	▲ HOUSING GASKET *	1	241219	242219	243219	244219	245219

- * Includes parts listed immediately below marked *
- ▲ These parts make up the assemblies under which they are listed.
- Δ For manufacturers part number see tables 4 and 5 on page 5.
- ↓ Not shown on drawing.
- † See last paragraph under "ORDERING PARTS."
- ‡ 4 req'd. for SCXT105; 5 req'd. for SCXT205; 6 req'd. for SCXT305, SCXT405 and SCXT505.
- ♦ Includes roll pin for SCXT405 and SCXT505.
- Used only on SCXT105 and SCXT205 with 1½" Dia. shafts.
- X 6 req'd. SCXT105; 7 req'd. SCXT205; 8 req'd. SCXT305, SCXT405 and SCXT505.
- * Recommended spare parts
- § For input shafts originally supplied with snap ring.

PARTS FOR SCXT605 - SCXT705 SCREW CONVEYOR DRIVE



Ref.	Name of Part	No. Req'd	SCXT605	SCXT705
1	SCXT Housing	1	246174	247184
❖	Air Vent	1	245237	390061
4	Housing Bolt	8	411466	411498
6	Lockwasher	8	419013	419016
❖	Washer	2	419096	419082
10	Hex Nut	8	407091	407095
12	Dowel Pin	2	420112	420128
❖	Pipe Plug	5	430033	430035
❖	Magnetic Drain Plug	1	430062	430064
22	Input Shaft Seal Carrier	1	246184	257045
24*	Input Shaft Brg Shim Pack	2 Sets	391164	390420
26	Input Shaft Bearing Cover	1	246221	247221
30	Input Shaft Cover Screw	6	411404	411402
32	Lockwasher	6	419009	419009
34*	Input Shaft with Pinion	1	256028	257044
35	Input Shaft Key	1	443113	443127
37*	Input Shaft Bearing Spacer	1	256030	---
38*	Input Shaft Bearing Cone	1	391979	391964
40*	(Input Side) Cup	1	390333	391972
42*	Input Shaft Bearing Cone	1	390450	391981
44*	(Output Side) Cup	1	391980	391982
	Output Hub Assembly *	1	390988	390990
66*	▲ Output Hub	1	246338	247338
68*	▲ Output Hub Gear	1	246295	247215
70*	▲ Output Hub Gear Key	2	245217	245217
74	Output Hub Seal Carrier (Input Side)	1	246187	247315
76	Output Hub Seal Carrier (Output Side)	1	246186	247315
80	Carrier Screw	•	411408	411433
82	Lockwasher	•	419011	419012
84*	Output Hub Bearing Cone	2	391935	391962
86*	Cup	2	391936	390666
88*	Output Hub Shim Pack	2 Sets	391187	390444
90	Retainer Bolt	1	411552	411552
92	Lockwasher	1	419020	419020
94	Shaft Retainer	1	356047	356191
	Adapter Assembly *	1	356055	356187
96	▲ Adapter	1	356049	356189
98	▲ Bolt	4	411487	411496
100	▲ Lockwasher	4	419014	419016
102	▲ Lip Seal	1	355054	355054
❖	▲ Braided Seal	2	427687	427687
104	▲ Seal Retaining Ring	1	356054	356054
	Adjustable Adapter Assy *	1	356154	356192
❖	▲ Adjustable Adapter	1	356155	356193
98	▲ Bolt	4	411487	411496
100	▲ Lockwasher	4	419014	419016
❖	▲ Adj. Packing Retainer	1	356157	356167
❖	▲ Stud	2	400404	400404
❖	▲ Hex Nut	2	407202	407202
❖	▲ Braided Seal	3	427687	427687
104	▲ Seal Retaining Ring	1	356054	356054
106	Drive 1 1/2" Dia.	1	356040	356180
	Shaft *	2" Dia.	356041	356181
		2 7/16" Dia.	356042	356182
		3" Dia.	356043	356183
		3 7/16" Dia.	356044	356184
108	▲ Key	1	443288	443289
	Seal Kit *	1	272705	247345
28*	▲ Input Shaft Cover Gasket	1	246220	246220
36*	▲ Input Shaft Seal	1	256032	242202
78*	▲ Output Hub Seal	2	246302	247302
❖	RTV Sealant, Tube	1	465044	465044

* Includes parts listed immediately below marked "▲".

▲ Makes up assembly under which listed.

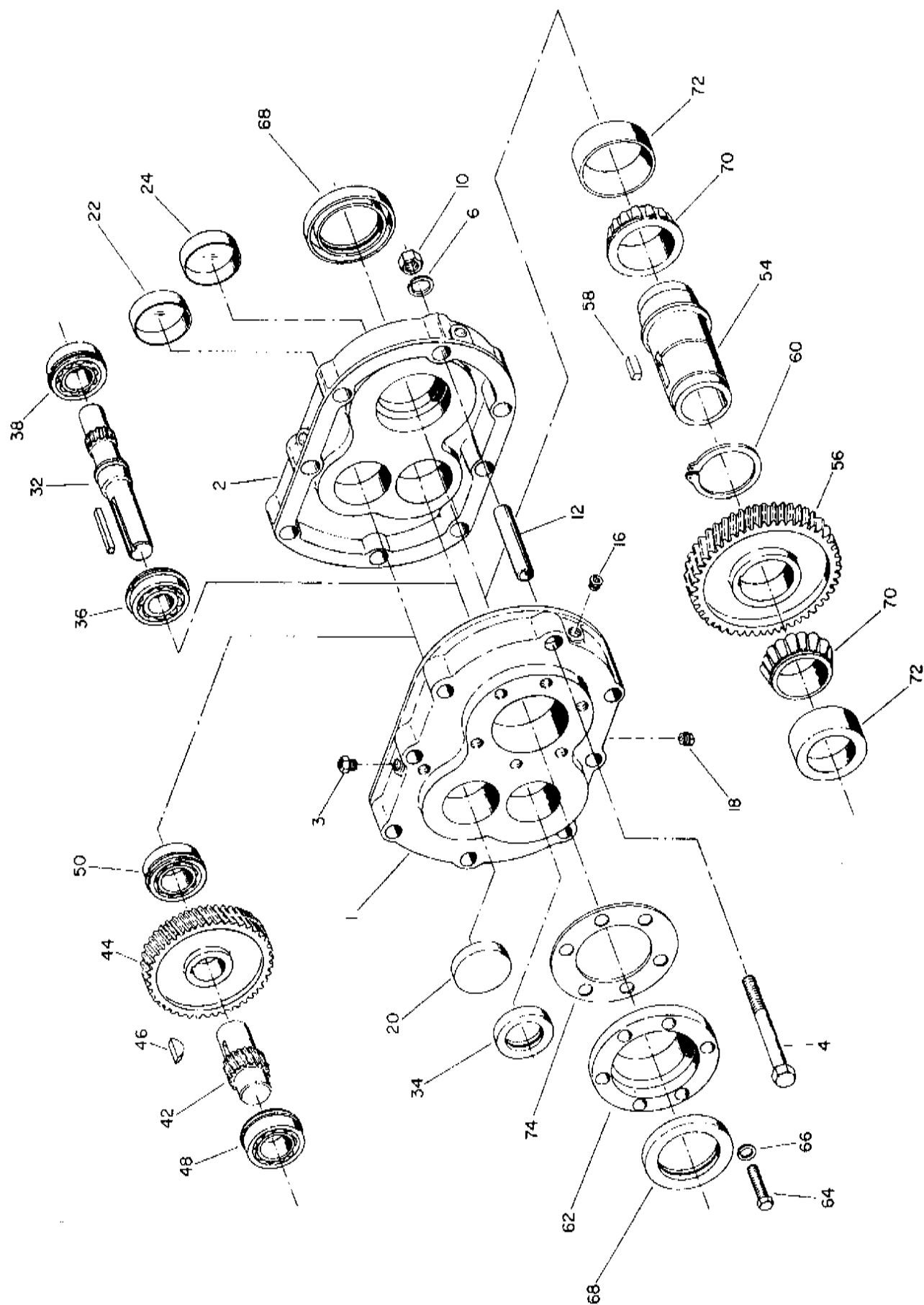
❖ Not shown on drawing.

• 18 req'd for SCXT605, 22 req'd for SCXT705.

* Recommended spare parts.

PARTS FOR C115 thru C525 SCREW CONVEYOR DRIVE SPEED REDUCERS

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

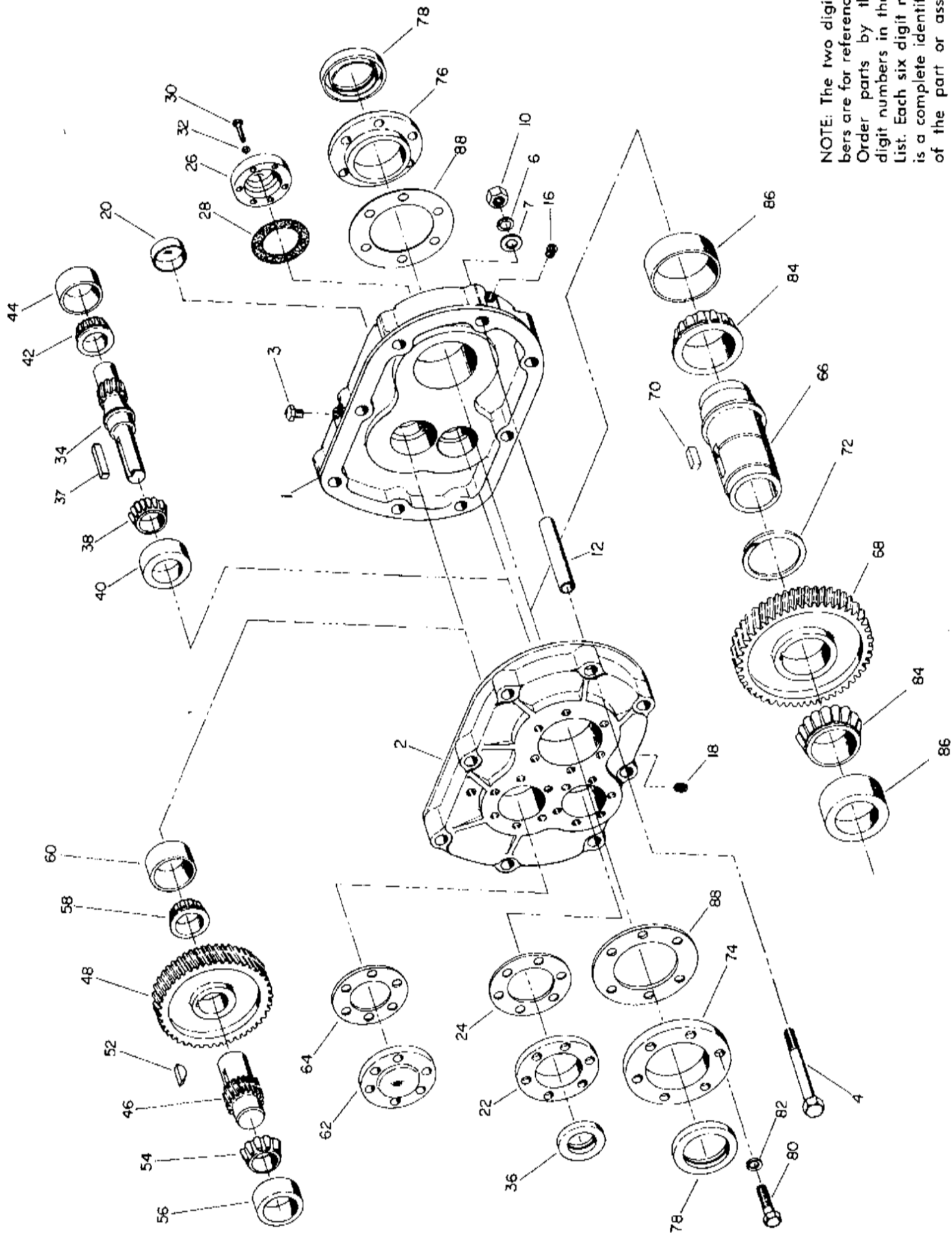


PARTS FOR C115 thru C525 SCREW CONVEYOR DRIVE SPEED REDUCERS

Refer- ence	Name of Part	No. Req'd.	C115 and C125 Part Number	C215 and C225 Part Number	C315 and C325 Part Number	C415 and C425 Part Number	C515 and C525 Part Number
1	R. H. Housing Half	1	351099	352085	353185	354185	355202
2	L. H. Housing Half	1	351099	352086	353186	354186	355202
3	Air Vent	1	241237	241237	241237	241237	245237
4	Housing Bolt	8	411418	411418	411440	411442	411464
6	Lockwasher	8	419011	419011	419012	419012	419013
8	Washer	1	419092	.....	.....	.....	419096
10	Hex Nut	8	407087	407087	407089	407089	407091
12	Dowel Pin	2	420092	420091	.....	.....	420110
16	Pipe Plug	5	430031	430031	430031	430031	430033
18	Magnetic Drain Plug	1	430060	430060	430060	430060	430062
20	Countershaft Bearing Cover— Input Side	1	262221	242224	243224	354114	355060
22	Countershaft Bearing Cover Gasket (Input Side)	1	.....	.....	.....	354113	.....
24	Countershaft Bearing Cover Screw (Input Side)	4	.....	.....	.....	415022	.....
26	Countershaft Bearing Cover— Adapter Side	1	241224	242224	243224	244224	355060
28	Input Shaft Bearing Cover	1	241224	361062	354112	354112	355069
30	Retainer Bolt	1	411549	411549	411551	411551	411551
32	Lockwasher	1	419014	419014	419016	419016	419016
34	Shaft Retainer	1	351116	352116	353053	354088	355065
32*	Input Shaft { 15:1 Ratio and Pinion { 25:1 Ratio	1	241268	242174	243009	244009	245009
34*	Input Shaft Key	1	241269	242175	243004	244004	245004
36*	Input Shaft Seal	1	443008	443014	443032	443082	443113
38*	Input Shaft Bearing—Input Side Δ	1	241211	242211	243211	244211	245211
40*	Input Shaft Bearing—Adapter Side Δ	1	424111	424076	424114	424078	424013
42*	COUNTERSHAFT ASSEMBLY ★ { 15:1 Ratio ASSEMBLY ★ { 25:1 Ratio	1	390180	390786	390729	390068	390080
44*	Countershaft and Pinion	1	390231	390787	390730	390069	390090
46*	First Reduction { 15:1 Ratio Gear { 25:1 Ratio	1	241264	242173	243002	244002	245002
48*	Gear Key	1	241262	242008	243214	244214	245214
50*	Countershaft Bearing—Input Side Δ §	1	241263	242005	243212	244212	245212
52*	Countershaft Bearing—Adapter Side Δ	1	241309	242218	243215	244215	245215
54*	OUTPUT HUB ASSEMBLY ★	1	391755	424006	424000	391759	424010
56*	Output Hub	1	424110	424006	424000	424002	424010
58*	Output Hub Gear	1	391029	391046	391048	391050	391052
60*	Output Hub Gear Key	1	351112	352112	353049	354085	355049
62*	Output Hub Seal	1	241007	242007	243213	244007	245007
64*	Output Hub Shim Pack	1	241217	272157	243216	391015	391026
66*	Output Hub Seal Carrier	1	421013	421017	421021	.....	.....
68*	Carrier Screw	1	351114	352114	353083	354083	355052
70*	Lockwasher	6	411405	411407	411407	411407	411407
72*	Output Hub Seal	6	419010	419011	419011	419011	419011
74*	Output Hub Bearing—Cone Δ	2	351113	352113	353052	354086	355054
76*	Output Hub Bearing—Cup Δ	2	402246	402247	402003	402250	402007
78*	Output Hub Shim Pack	2	403149	403150	403003	403153	403007
80*	Output Hub Shim Pack	1 Set †	391056	391059	391062	391065	391068
82*	.002" Thick	†	427424	427428	427436	427420	427444
84*	.005" Thick	†	427425	427429	427437	427421	427445
86*	.010" Thick	†	427426	427430	427438	427422	427446
88*	.025" Thick	†	427427	427431	427439	427423	427447
90*	ADAPTER ★ { "A" ASSEMBLY "B" ASSEMBLY	1	351086	352052	353047	354121	355072
92*	Bolt	1	351087	352053	.....	.....	.....
94*	Lockwasher	4	411408	411433	411456	411483	411483
96*	Lip Seal	4	419011	419012	419013	419014	419014
98*	Braided Seal	1	351123	352122	353085	354115	355067
100*	Seal Retaining Ring	2	427663	427659	427658	427664	427674
102*	Seal Retaining Ring	1	351121	352121	353054	354089	355066
104*	DRIVE SHAFT ★ { 1 1/2" Dia. 2" Dia. 2 1/2" Dia. 3" Dia. 3 1/2" Dia.	1	351094	352090	353042	354116	.....
106*	Key	1	351095	352091	353043	354117	355076
108*		1	351096	352092	353044	354118	355077
110*		1	351097	352093	353045	354119	355078
112*		1	.....	.....	.....	354120	355079
114*		1	443287	443223	443089	443114	443239

- ★ Includes parts listed immediately below marked "A". Housing Assembly also includes two-piece housing Series C1 & C5 only. Adapter Assembly also includes adapter.
- ▲ These parts make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing Series C1 & C5 only. Adapter Assembly also includes adapter.
- ⬇ For manual reference, part number see tables 4, 5, and 6 on page 5.
- ⬇ Not shown to drawing.
- † One set consists of one each of the shims listed immediately below marked "†."
- ‡ See last paragraph under "ORDERING PARTS."
- Series C1 thru C5 only when reducer was originally supplied with gasket.
- 6 required for C1 Series; 7 required for C2 Series; 8 required for C3, C4, and C5 Series.
- Includes roll pin for C4 and C5 Series.
- Used only on C1 and C2 with 1 1/2" Dia. shafts.
- Recommended spare parts.
- § Double row ball bearing on C415 & C425.

PARTS FOR C615 thru C725 SCREW CONVEYOR DRIVE SPEED REDUCERS



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Refer- ence	Name of Part	No. Req'd	C615 and C625		C715 and C725		Refer- ence	Name of Part	No. Req'd	C615 and C625		C715 and C725	
			Part No.	Part No.	Part No.	Part No.				Part No.	Part No.		
1	HOUSING ASSEMBLY ★	1	391001	391108	58*	Countershaft Bearing - Adapter Side	1	391912	391960				
2	▲ R.H. Housing Half	1	.....	.....	60*	Cone 3	1	391913	391961		
3	▲ L.H. Housing Half	1	.....	.....		Cup 3					
4	▲ Air Vent *	1	245237	245237	62	Countershaft Bearing Cover - Input Side	1	246185	247194				
6	▲ Housing Bolt	8	411466	411498	64*	Countershaft Bearing Shim Pack	2 Sets #	391165	390429				
7	▲ Lockwasher	8	419013	419016		.002" Thick	†	427474	427690				
	▲ Plain Washer	2	419096	419082		.005" Thick	†	427475	427691				
10	▲ Hex Nut	8	407091	407095		.010" Thick	†	427476	427692				
12	▲ Dowel Pin	2	420112	420128		.025" Thick	†	427477	427693				
16	▲ Pipe Plug	5	430033	430035		OUTPUT HUB ASSEMBLY							
18	▲ Magnetic Drain Plug	1	430062	430064	66*	▲ Output Hub	1	390988	390990				
20	▲ Countershaft Bearing Cover — Adapter Side	1	244224	355060	68*	▲ Output Gear	1	246338	247338				
▲ *	Housing Gasket *	1	246219	247219	70*	▲ Output Gear Key	2	245217	245217				
22	Input Shaft Seal Carrier	1	246184	247320	72*	▲ Output Hub Snap Ring	1	421033	421038				
24*	Input Shafts Bearing Shim Pack	2 Sets #	391164	390420	74	Output Hub Seal Carrier - Input Side	1	246187	247315				
	.002" Thick	†	427478	427578	76	Output Hub Seal Carrier - Adapter Side	1	246186	247315				
	.005" Thick	†	427479	427584	78*	Output Hub Seal	2	246302	247302				
	.010" Thick	†	427480	427604	80	Carrier Screw	3	411408	411433				
	.025" Thick	†	427481	427618	82	Lockwasher	3	419011	419012				
26	Input Shaft Cover	1	246221	247221		Output Hub Bearing							
28	Input Shaft Cover Gasket	1	246220	246220	84*	Cone 3	2	391935	391962				
30	Input Shaft Cover Screw	6	411404	411402	86*	Cup 3	2	391936	390666				
32	Lockwasher	6	419009	419009	88*	Output Hub Shim Pack	2 Sets #	391187	390444				
34*	Input Shaft with Pinion	1	246290	247370		.002" Thick	†	427470	427525				
36*	Input Shaft Seal	1	246291	247371		.005" Thick	†	427471	427527				
37	Input Shaft Key	1	242202	242202		.010" Thick	†	427472	427528				
	Input Shaft Bearing - Input Side	1	443113	443127		.025" Thick	†	427473	427558				
38*	Cone 3	1	390445	390375	▲	Retainer Bolt	1	411552	411552				
40*	Cup 3	1	390687	390333	▲	Lockwasher	1	419020	419020				
	Input Shaft Bearing - Adapter Side	1	390446	390437	▲	Shaft Retainer	1	356047	356191				
42*	Cone 3	1	390687	390438	▲	ADAPTER ASSEMBLY ★	1	356035	356187				
44*	Cup 3	1	391171	391196	▲	▲ Bolt	4	411487	411496				
	COUNTERSHAFT	1	391186	391197	▲	▲ Lockwasher	4	419014	419016				
46	ASSEMBLY ★	1	246294	247002	▲	▲ Lip Seal	1	355054	355054				
48*	▲ Countershaft with Pinion	1	246292	247008	▲	▲ Braided Seal	2	427687	427687				
	▲ First Reduction	1	246293	247005	▲	▲ Seal Retaining Ring	1	356054	356054				
	▲ Gear	1	245218	247218									
52*	▲ Gear Key	1			▲	DRIVE SHAFT ★							
	Countershaft Bearing - Input Slide				▲	1 1/2" Dia.	1	356040	356180				
54*	Cone 3	1	391910	391960		2" Dia.	1	356041	356181				
56*	Cup 3	1	391911	391961		2 3/16" Dia.	1	356042	356182				
						3" Dia.	1	356043	356183				
						3 3/16" Dia.	1	356044	356184				
						▲ Key	1	443288	443289				

* Includes parts listed immediately below marked "▲". Series C6 Housing Assembly also includes

two-piece housing. Adapter Assembly also includes adapter.

▲ These parts make up the assemblies under which they are listed.

† One set consists of one each of the shims listed immediately below marked †.

See last paragraph under "ORDERING PARTS".

See table 5 on page 5 for manufacturers part numbers.

▲ Not shown on drawing.

† 24 required for C615 and C625; 28 required for C715 and C725.

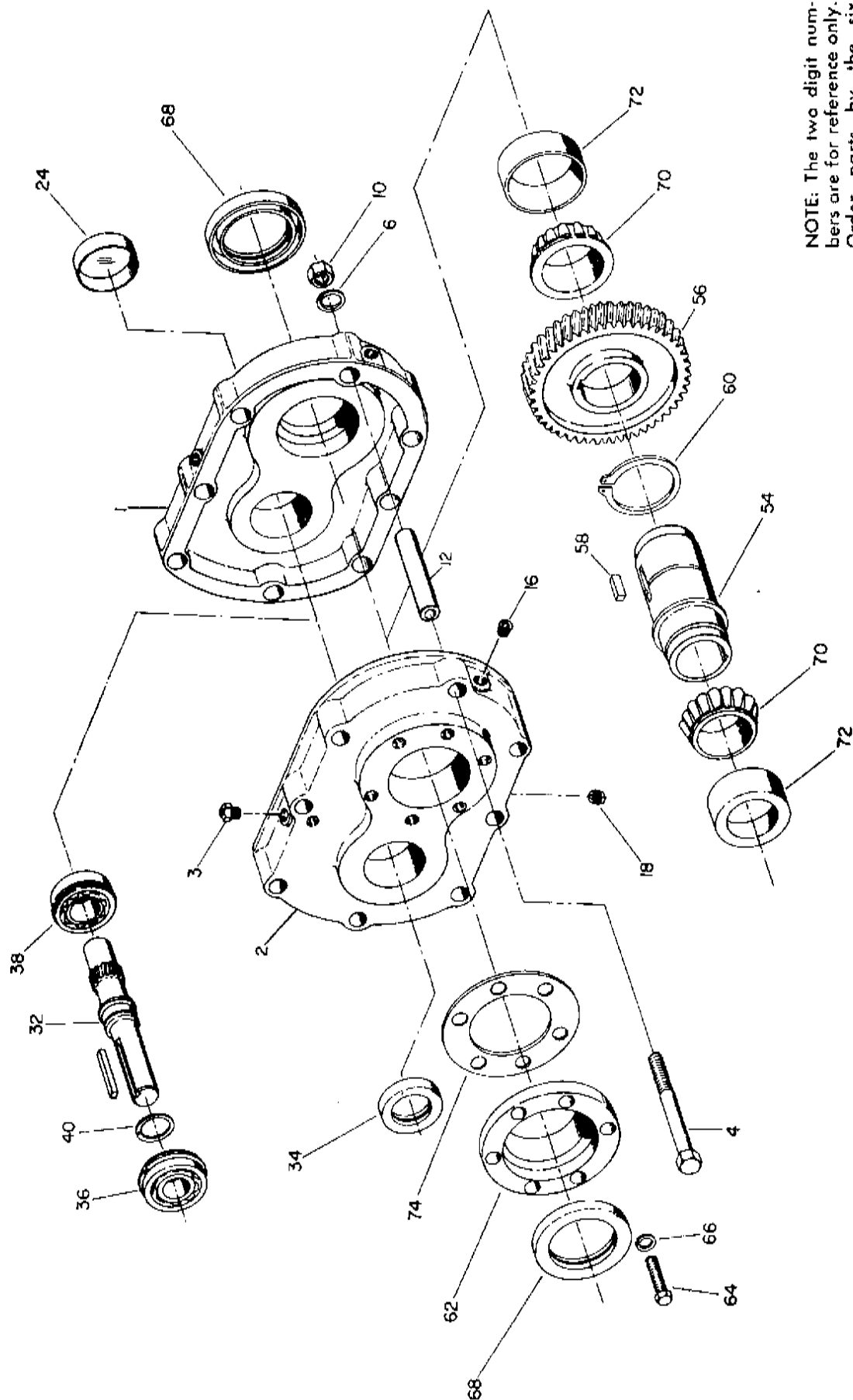
▲ Includes bushing for C715 and C725.

● For Screw Conveyor reducers originally supplied with gasket.

* Recommended spare parts.

▲ 2 req'd. on size C6; 1 req'd. on size C7.

PARTS FOR C11 thru C15 SCREW CONVEYOR DRIVE SPEED REDUCERS



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

PARTS FOR C11 thru C15 SCREW CONVEYOR SPEED REDUCERS

Reference	Name of Part	No. Req'd	C11	C12	C13	C14	C15
			Part No.	Part No.	Part No.	Part No.	Part No.
	HOUSING ASSEMBLY*	1	391208	391212	391214	391216	391217
1	▲ Right Housing Half	1	.....	362085	363085	364085	.....
2	▲ Left Housing Half	1	.....	362086	363086	364086	.....
3	▲ Air Vent	1	241237	241237	241237	241237	245237
4	▲ Housing Bolt	1	411418	411418	411440	411442	411464
6	▲ Lockwasher	1	419011	419011	419012	419012	419013
↓	▲ Washer	2	419092	.....	.....	.....	419096
10	▲ Hex Nut	1	407087	407087	407089	407089	407091
12	▲ Dowel Pin	2	420089	420089	420103	420103	420110
16	▲ Pipe Plug	5	430031	430031	430031	430031	430033
18	▲ Magnetic Drain Plug	1	430060	430060	430060	430060	430062
24	▲ Input Shaft Bearing Cover	1	361062	354112	243224	364062	355069
14*	Housing Gasket *	1	241219	242219	243219	244219	245219
↓	Retainer Bolt	1	411549	411549	411551	411551	411551
↓	Lockwasher	1	419014	419014	419016	419016	419016
↓	Shaft Retainer	1	351116	352116	353053	354088	355065
32*	Input Shaft and Pinion	1	251020	252014	253009	254009	255134
*	Input Shaft Key	1	443013	443052	443078	443111	443113
34*	Input Shaft Seal	1	242203	252063	253003	254063	255003
36*	Input Shaft Bearing - Input Side Δ	1	390282	390293	390290	390298	390303
38*	Input Shaft Bearing - Adapter Side Δ	1	391751	390288	390288	390295	390302
40	Input Shaft Snap Ring	1	421002§	421007§	421010§	421011	421120
	OUTPUT HUB ASSEMBLY *	1	391029	391046	391048	391050	391052
54*	▲ Output Hub	1	351112	352112	353049	354085	355049
56*	▲ Output Hub Gear	1	241007	242007	253008	254008	245213
58*	▲ Output Hub Gear Key ♦	1	241217	272157	443276	391015	391026
60*	▲ Snap Ring	1	421013	421017	421021	.....	.....
62	Output Hub Seal Carrier	1	351114	362051	363021	364060	365021
64	Carrier Screw	6	411405	411407	411407	411407	411407
66	Lockwasher	6	419010	419011	419011	419011	419011
68*	Output Hub Seal	2	351111	352111	353059	354093	355070
70*	Output Hub Bearing - Cone Δ	2	390804	390812	391988	390836	391990
72*	Output Hub Bearing - Cup Δ	2	390809	390816	391989	390841	391991
74*	Output Hub Shim Pack	1 Set ‡	391056	392160	392161	391065	391068
↓	.002" Thick	†	427424	427432	427440	427420	427444
↓	.005" Thick	†	427425	427433	427441	427421	427445
↓	.010" Thick	†	427426	427434	427442	427422	427446
↓	.025" Thick	†	427427	427435	427443	427423	427447
↓	ADAPTER * { "A" ASSEMBLY ■	1	351086	352052	353047	354121	355072
↓	{ "B" ASSEMBLY	1	351087	352053	.....	.....	.....
↓	▲ Bolt	4	411408	411433	411456	411483	411483
↓	▲ Lockwasher	4	419011	419012	419013	419014	419014
↓	▲ Lip Seal	1	351123	352122	353085	354115	355067
↓	▲ Braided Seal	2	427663	427659	427658	427664	427674
↓	▲ Seal Retaining Ring	1	351121	352121	353054	354089	355066
↓	DRIVE SHAFT *	1	351094	352090	353042	354116	.....
	1½" Dia.	1	351095	352091	353043	354117	355076
	2" Dia.	1	351096	352092	353044	354118	355077
	2½" Dia.	1	351097	352093	353045	354119	355078
	3" Dia.	1	.....	.....	.....	354120	355079
	3½" Dia.	1	443287	443223	443089	443114	443239
↓	▲ Key	1	.....	.....	.....	.....	.....

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing on C11 and C15 only. Adapter Assembly also includes adapter.

▲ These parts make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing on C11 and C15 only. Adapter Assembly also includes adapter.

Δ For manufacturers part number see tables 4 and 5 on page 5.

↓ Not shown on drawing.

‡ One set consists of one each of the shims listed immediately below marked "†".

† See last paragraph under "ORDERING PARTS".

■ For reducers originally supplied with gasket only.

‡ 6 req'd for C11; 7 req'd for C12; 8 req'd for C13, C14 and C15.

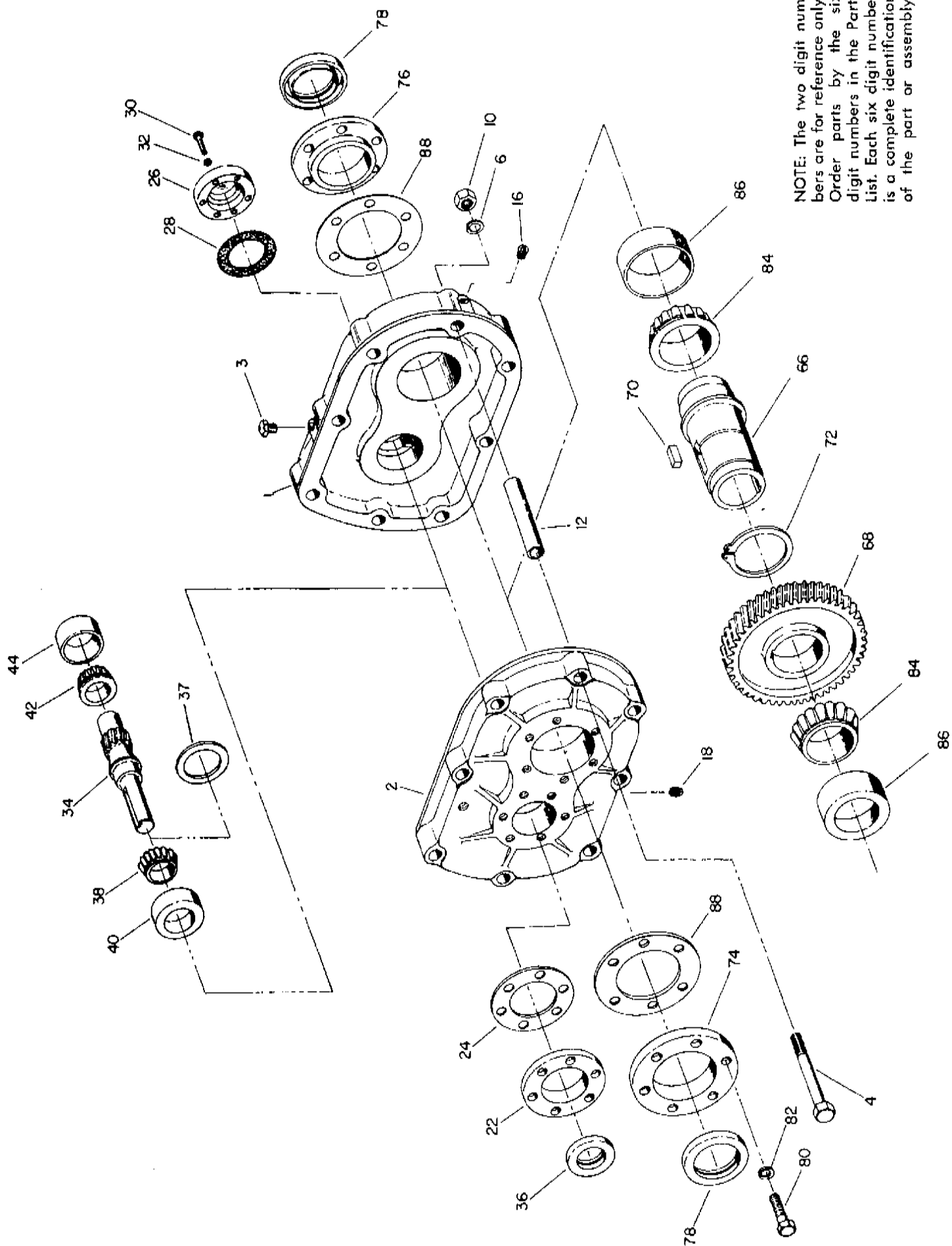
♦ Includes roll pin for C14 and C15.

■ Used only on C11 and C12 with 1½" Dia. shafts.

* Recommended spare parts.

§ For input shafts originally supplied with snap ring.

PARTS FOR C16 thru C17 SCREW CONVEYOR DRIVE SPEED REDUCERS



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Reference	Name of Part	No. Req'd.	C16		Reference	Name of Part	No. Req'd.	C17	
			Part No.	Part No.				Part No.	Part No.
1	HOUSING ASSEMBLY ★	1	391109	391132	66*	OUTPUT HUB ASSEMBLY	1	390988	390990
2	▲ Right Housing Half	1	.....	.....	68*	▲ Output Hub	1	246338	247338
3	▲ Left Housing Half	1	.....	.....	70*	▲ Output Gear	1	246295	247215
4	▲ Air Vent †	1	245237	390061	72*	▲ Output Gear Key	2	245217	245217
↓	▲ Housing Bolt	8	411466	411498	74	▲ Output Hub Snap Ring	1	421033	421038
	▲ Washer	2	419096	419082					
6	▲ Lockwasher	8	419013	419016	76	Output Hub Seal Carrier - Input Side	1	246187	247315
10	▲ Hex Nut	8	407091	407095	78*	Output Hub Seal Carrier - Adapter Side	1	246186	247315
12	▲ Dowel Pin	2	420112	420128	80	Output Hub Seal	2	246302	247302
16	▲ Pipe Plug	5	430033	430035	82	Carrier Screw	3	411408	411433
18	▲ Magnetic Drain Plug	1	430062	430064		Lockwasher	3	419011	419012
↓*	Housing Gasket *	1	246219	247219	84*	Output Hub Bearing	2	391935	391962
22	Input Shaft Seal Carrier	1	246184	257045	86*	Cone ‡	2	391936	390666
24*	Input Shaft Bearing Shim Pack	2 Sets ‡	391164	390420	88*	Cup ‡	2	391187	390444
	.002" Thick	†	427478	427578		Output Hub Shim Pack	2 Sets ‡	427470	427525
	.005" Thick	†	427479	427584		.002" Thick	†	427471	427527
	.010" Thick	†	427480	427604		.005" Thick	†	427472	427528
	.025" Thick	†	427481	427618		.010" Thick	†	427473	427558
26	Input Shaft Cover	1	246221	247221	↓	Retainer Bolt	1	411552	411552
28	Input Shaft Cover Gasket	1	246220	246220	↓	Lockwasher	1	419020	419020
30	Input Shaft Cover Screw	6	411404	411402	↓	Shaft Retainer	1	356047	356191
32	Lockwasher	6	419009	419009	↓	ADAPTER ASSEMBLY ★	1	356035	356187
	Input Shaft Key	1	443113	443127	↓	▲ Bolt	1	411487	411496
34*	Input Shaft with Pinion	1	256028	257044	↓	▲ Lockwasher	4	419014	419016
36*	Input Shaft Key	1	443113	443127	↓	▲ Lip Seal	1	355054	355054
37*	Input Shaft Seal	1	256032	242202	↓	▲ Braided Seal	2	427687	427687
	Input Shaft Bearing - Spacer	1	256030	.....	↓	▲ Seal Retaining Ring	1	356054	356054
	Input Shaft Bearing - Input Side	1	391979	391964					
38*	Cone ‡	1	390333	391972	↓	DRIVE SHAFT ★	1	356040	356180
40*	Cup ‡	1	390450	391981	↓	1 1/2" Dia.	1	356041	356181
	Input Shaft Bearing - Adapter Side	1	391980	391982		2" Dia.	1	356042	356182
42*	Cone ‡	1	390450	391981		2 7/16" Dia.	1	356043	356183
44*	Cup ‡	1	391980	391982	↓	3" Dia.	1	356044	356184
						3 3/16" Dia.	1		

↓ Not shown on drawing.

‡ 18 required for C16; 22 required for C17.

★ Includes bushing for C17.

● For Screw Conveyor Drive reducers originally supplied with gasket only.

* Recommended spare parts.

★ Includes parts listed immediately below marked "★". Housing Assembly also includes two piece housing on size C16 only. Adapter Assembly also includes adapter.

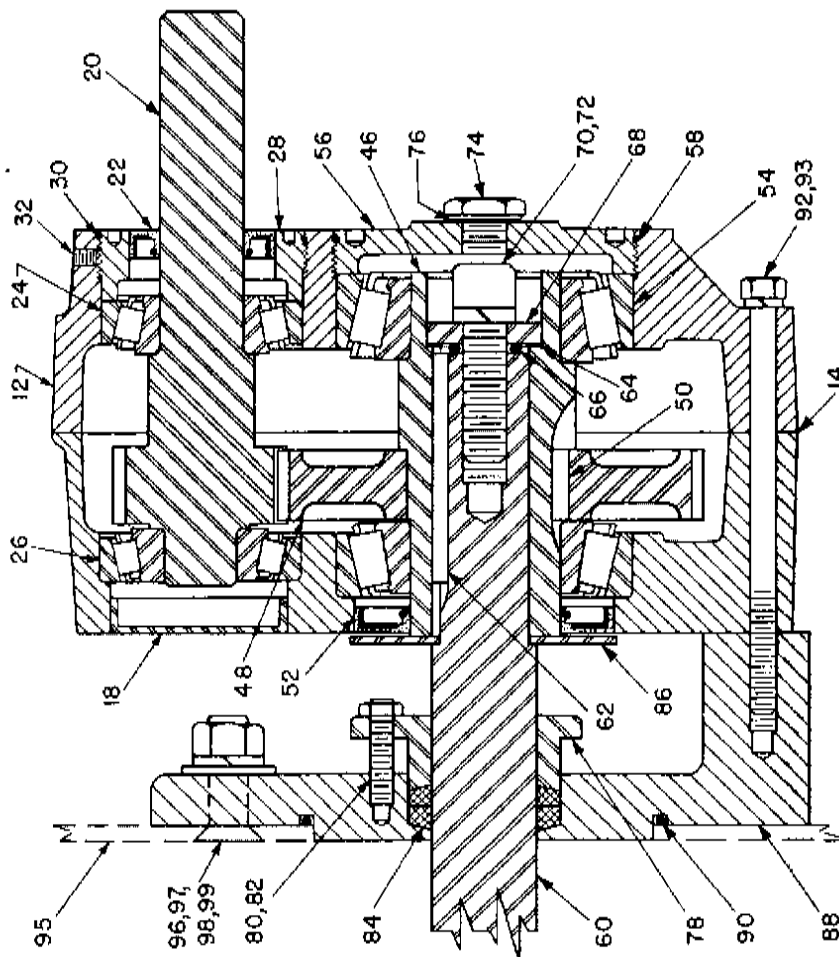
▲ These parts make up the assemblies under which they are listed.

‡ One set consists of one each of the shims listed immediately below marked ‡.

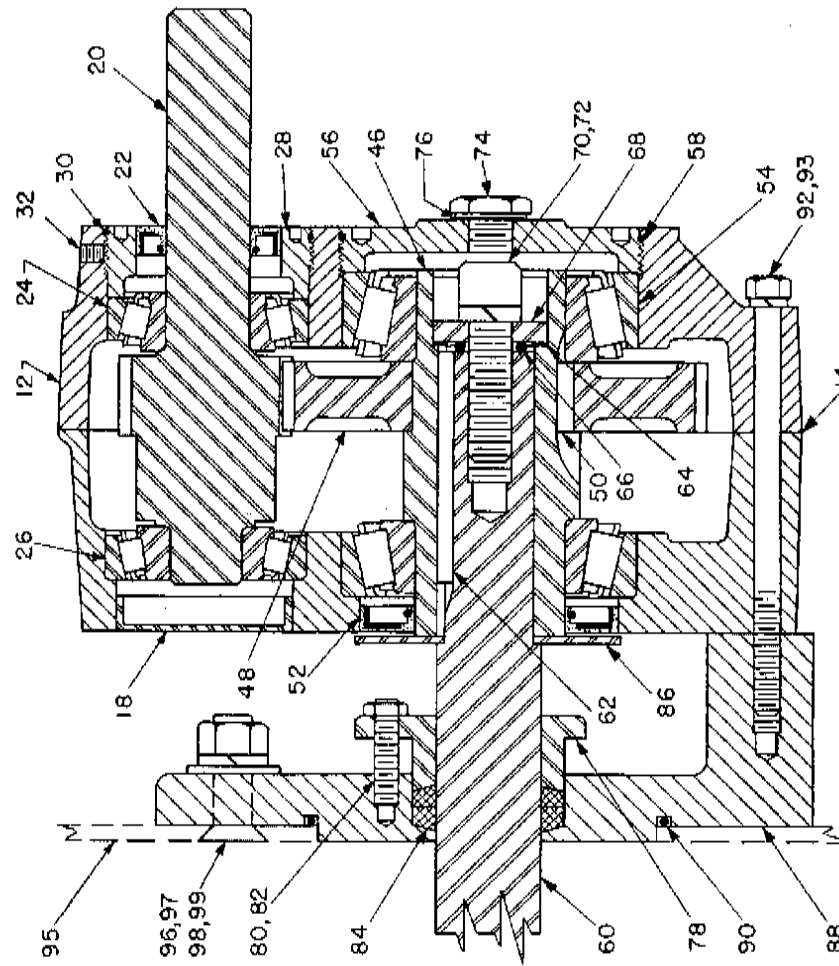
† See last paragraph under "ORDERING PARTS".

↓ See table 5 on page 5 for manufacturers part numbers.

Composite View
for Sizes CS203A and CS203B



Composite View
for Sizes CS303, CS403 and CS503



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Before ordering see following page.

Prices are for one piece only.

Price List L541

Reference	Name of Part	No. Req'd.	CS203A, CS203B		CS303		CS403		CS503	
			Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each
12	HOUSING ASSEMBLY ★	1	390227	\$117.80	390228	\$133.00	390229	\$188.40	390230	\$251.20
▲	▲ Air Vent	1	241237	1.00	241237	1.00	241237	1.00	245237	2.00
▲	▲ Housing Bolt	1	411420	.80	411442	1.00	411444	1.10	411470	1.40
▲	▲ Lockwasher	1	419011	.10	419012	.10	419012	.10	419013	.10
▲	▲ Hex Nut	1	407087	.10	407089	.10	407089	.10	407091	.10
▲	▲ Dowel Pin	2	420089	1.00	420104	1.20	420104	1.20	420112	1.60
14	▲ Housing Gasket	1	242219	1.40	243219	1.60	244219	1.80	245219	2.00
▲	▲ Pipe Plug	4	430031	.80	430031	.80	430031	.80	430033	1.00
▲	▲ Magnetic Plug	1	430060	1.00	430060	1.00	430060	1.00	430062	1.20
▲	▲ Countershaft Bearing Adjusting Nut	1	352057	4.60	353057	5.60	354057	6.80	355057	9.40
▲	▲ Countershaft Adj. Nut "O" Ring	1	418004	1.20	418006	1.40	418008	1.40	418012	1.40
▲	▲ Adj. Nut Lockscrew	1	400424	.20	400424	.20	400424	.20	400424	.20
▲	▲ Countershaft Bearing Cover	1	242224	.70	243224	.80	243224	.80	245224	.90
18	▲ Input Shaft Bearing Cover	1	242224	.80	243224	.80	243224	.80	355060	1.00
20	Input Shaft with Pinion	1	362109	56.00	363109	75.00	364109	108.00	365109	130.00
22	Input Shaft Seal	1	352011	4.40	353011	6.00	354011	7.00	355011	10.00
24	Input Shaft Bearing— {Cone	1	402142	☐	402120	☐	402138	☐	402162	☐
	Input End {Cup	1	403102	☐	403084	☐	403100	☐	403112	☐
26	Input Shaft Bearing— {Cone	1	402140	☐	402118	☐	402124	☐	402095	☐
	Closed End {Cup	1	403102	☐	403082	☐	403088	☐	403070	☐
▲	Input Bearing Spacer	1	352059	3.20	.....	.....	.....	.....	.....	.....
28	Input Bearing Adjusting Nut	1	352058	6.00	353058	6.60	354058	7.80	355058	10.00
30	Input Adj. Nut "O" Ring	1	418006	1.40	418006	1.40	418009	1.40	418015	1.40
32	Adjusting Nut Lockscrew	2	400424	.20	400424	.20	400424	.20	400424	.20
	OUTPUT HUB ASSEMBLY ★	1	390217	83.00	390218	119.60	390219	139.00	390220	223.80
46	▲ Output Hub	1	352008	37.20	353008	53.00	354008	60.00	355008	80.00
48	▲ Gear	1	352107	45.20	353107	64.00	354107	76.00	355107	140.00
50	▲ Key	1	352017	.60	390233	2.60	390234	3.00	390235	3.80
52	Output Seal	1	352010	10.00	242210	8.20	243210	10.00	355010	12.00
54	Output Hub {Cone	2	402099	☐	402150	☐	402156	☐	402164	☐
	Bearing {Cup	2	403064	☐	403106	☐	403060	☐	403114	☐
56	Output Bearing Adjusting Nut	1	352050	6.20	353050	7.80	354050	10.00	355050	14.00
58	Output Bearing Adj. Nut "O" Ring	1	418017	1.60	418019	1.80	418023	2.40	418032	3.00
60	Output Shaft { 1 1/2" Diameter	1	352071	22.00	353096	30.00	354096	38.00	355096	75.00
	{ 2" Diameter	1	352095	22.00	353071	30.00	354097	38.00	355097	50.00
	{ 2 1/4" Diameter	1	352096	22.00	353095	30.00	354071	38.00	355098	50.00
	{ 3" Diameter	1	352097	47.00	353097	30.00	354095	38.00	355071	50.00
	{ 3 1/2" Diameter	1	.....	.....	.....	.....	354098	63.00	355095	50.00
62	Output Shaft Key	1	443021	3.00	443072	3.40	443071	3.00	443104	4.00
64	Output Shaft Washer Gasket	1	352051	.50	353051	.60	354051	.60	355051	.80
66	Output Shaft "O" Ring Gasket	1	418110	.60	418111	.80	418112	.80	418113	1.00
68	Output Shaft Retaining Washer	1	352056	2.00	353056	3.20	354056	6.80	355056	10.40
70	Output Shaft Screw	1	417318	2.00	417321	2.60	417322	3.80	417324	5.60
72	Lockwasher	1	419014	.10	419016	.10	419055	.30	419056	.40
74	Cover Plug	1	352055	1.20	353055	1.20	355055	1.40	355055	1.40
76	Cover Plug Gasket	1	427660	.60	427662	.60	427661	1.20	427661	1.20
78	Packing Retainer	1	352062	3.20	353062	3.60	354062	4.20	355062	5.20
80	Stud Bolt	2	400404	.50	400404	.50	400404	.50	400404	.50
82	Hex Jam Nut	2	407202	.10	407202	.10	407202	.10	407202	.10
84	Packing	2	427665	.80	427666	1.00	427667	2.20	427668	3.20
86	Flinger	1	352074	1.00	353074	1.30	354074	2.00	355074	2.80
▲	Sight Level Oil Gage	1	430120	3.00	430120	3.00	430120	3.00	430121	4.20
88	Adapter {for 6" Screw Diam.	1	352201	50.00	.....	.....	.....	.....	.....	.....
	{for 9", 10" or 12" Screw Diam.	1	352068	42.00	353068	42.00	354068	48.00	355068	68.00
90	Adapter {for 6" Screw Diam.	1	418114	3.00	.....	.....	.....	.....	.....	.....
	Gasket {for 9", 10" or 12" Screw Diam.	1	418115	3.20	418115	3.20	418115	3.20	418115	3.20
92	Adapter {Long	1	411426	.90	411450	1.40	411452	1.60	411478	3.40
	Bolt {Short	2	411424	.90	.....	.....	.....	.....	.....	.....
93	Lockwasher	4	419011	.10	419012	.10	419012	.10	419013	.10
▲	Plain Washer	2	419092	.20	419094	.20	419094	.20	419096	.20
▲	Adapter Dowel Pin	2	420084	1.00	420096	1.20	420096	1.20	420109	1.40
95	Trough End { 6"	1	352182	18.00	.....	.....	.....	.....	.....	.....
	{ 9"	1	352181	22.00	352181	22.00	.....	.....	.....	.....
	{ 10"	1	352184	24.00	352184	24.00	.....	.....	.....	.....
	{ 12"	1	352185	26.00	352185	26.00	354190	26.00	354190	26.00
	{ 14"	1	.....	.....	353191	28.00	354191	28.00	354191	28.00
	{ 16"	1	.....	.....	.....	.....	354192	40.00	354192	40.00
	{ 18"	1	.....	.....	.....	.....	354193	50.00	354193	50.00
	{ 20"	1	.....	.....	.....	.....	354194	60.00	354194	60.00
96	Trough End Screw	3	415036	1.00	415036	1.00	415038	1.20	415038	1.20
97	Lockwasher	3	419014	.10	419014	.10	419016	.10	419016	.10
98	Plain Washer	3	419081	.10	419081	.10	419082	.10	419082	.10
99	Hex Nut	3	407093	.20	407093	.20	407095	.30	407095	.30

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.

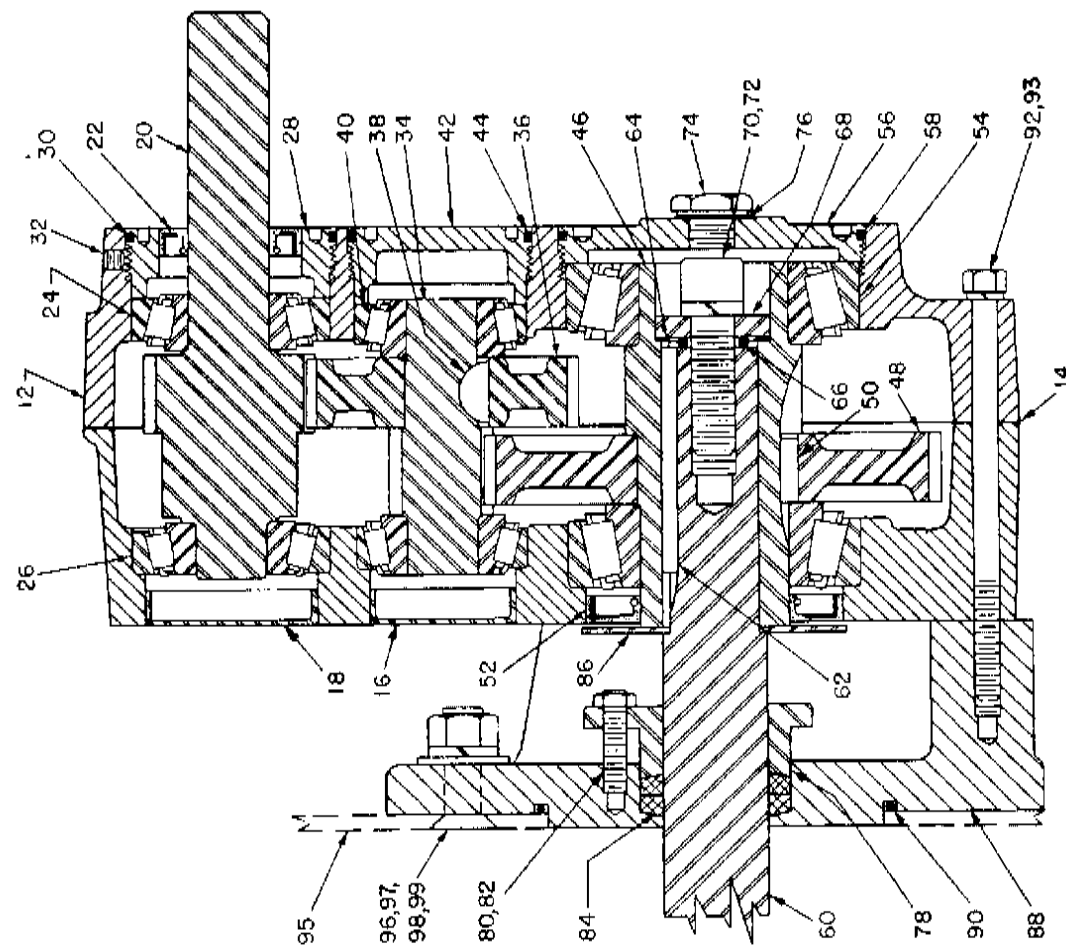
▲ 3 for CS203A and CS203B; 4 for larger sizes.

▲ 2 for CS203A and CS203B; 4 for larger sizes.

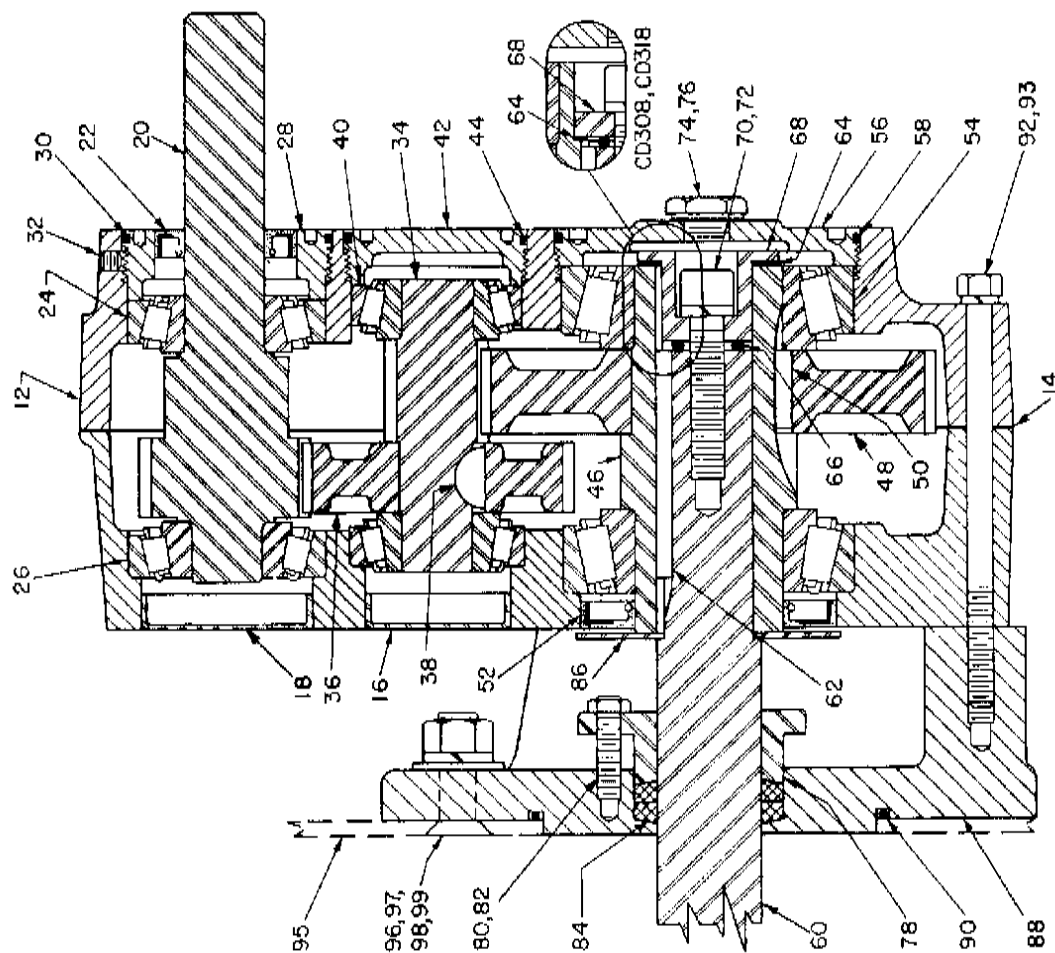
☐ Price on application.

■ 1/2" Hex key required for removal or replacement in CS203A or CS203B; 5/8" or 3/4" required for CS303; 5/8" or 3/4" for CS403; 5/8" or 3/4" for CS503. Key size required for the latter three drives depends upon the model of cap screw.

Composite View
for Sizes CD208A, CD208B,
CD218A and CD218B



Composite View
for Sizes CD108A, CD108B, CD118A, CD118B,
CD308, CD318, CD408, CD418, CD508 and CD518



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Before ordering see following page.

Prices are for one piece only.

Price List L610

Reference	Name of Part	No. Req'd.	100 Series		200 Series		300 Series		400 Series		500 Series	
			CD108A, CD118A	CD108B, CD118B	CD208A, CD218A	CD208B, CD218B	CD308 and CD318	CD408 and CD418	CD508 and CD518			
			Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each
12	HOUSING ASSEMBLY ★	1	390259	\$72.00	390260	\$114.00	390261	\$128.00	390262	\$182.00	390263	\$242.00
▲	▲ Air Vent	1	241237	1.00	241237	1.00	241237	1.00	241237	1.00	245237	2.00
▲	▲ Housing Bolt	1	411422	.80	411420	.80	411442	1.00	411444	1.10	411470	1.40
▲	▲ Lockwasher	1	419011	.10	419011	.10	419012	.10	419012	.10	419013	.10
▲	▲ Hex Nut	1	407087	.10	407087	.10	407089	.10	407089	.10	407091	.10
▲	▲ Dowel Pin	2	420091	1.00	420089	1.00	420014	1.20	420104	1.20	420112	1.60
14	▲ Housing Gasket	1	241219	1.20	242219	1.40	243219	1.60	244219	1.80	245219	2.00
▲	▲ Pipe Plug	4	430031	.80	430031	.80	430031	.80	430031	.80	430033	1.00
▲	▲ Magnetic Plug	1	430060	1.00	430060	1.00	430060	1.00	430060	1.00	430062	1.20
16	▲ Countershaft Bearing Cover	1	351022	.60	242224	.70	243224	.80	243224	.80	245224	.90
18	▲ Input Shaft Bearing Cover	1	351022	.60	243224	.80	243224	.80	243224	.80	355060	1.00
20	Input Shaft {for 8 to 1 Ratio I with Pinion {for 18 to 1 Ratio I	1	351109	33.00	352109	40.20	353109	54.00	354109	78.20	355109	96.00
		1	351104	32.00	352104	39.20	353104	53.00	354104	77.20	355104	95.00
22	Input Shaft Seal	1	351011	3.80	352011	4.40	353011	6.00	354011	7.00	355011	10.00
24	Input Shaft Bearing {Cone Input End {Cup	1	390355	2	390362	2	390369	2	390376	2	390380	2
		1	390356	2	390363	2	390370	2	390377	2	390381	2
26	Input Shaft Bearing {Cone Closed End {Cup	1	390357	2	390364	2	390371	2	390378	2	390382	2
		1	390358	2	390365	2	390372	2	390379	2	390383	2
▲	Input Bearing Spacer	1			352059	3.20						
28	Input Bearing Adjusting Nut	1	351060	5.40	352060	7.00	353060	7.60	354060	8.80	355059	11.00
30	Input Adj. Nut "O" Ring	1	418005	1.20	418009	1.40	418010	1.40	418013	1.40	418019	1.80
32	Adjusting Nut Lockscrew	3	400424	.20	400424	.20	400424	.20	400424	.20	400424	.20
34	COUNTERSHAFT {for 8 to 1 Ratio I ASSEMBLY ★ {for 18 to 1 Ratio I	1	390206	50.80	390207	64.60	390209	83.00	390209	104.40	390210	153.60
	▲ Countershaft and Pinion	1	390211	51.80	390212	65.60	390213	84.00	390214	105.40	390215	154.60
36	▲ First Reduc- {for 8 to 1 Ratio I tion Gear {for 18 to 1 Ratio I	1	351106	21.60	352106	32.00	353106	40.00	354106	48.00	355106	75.00
		1	351108	29.00	352108	32.20	353108	42.60	354108	56.00	355108	78.00
38	▲ Key	1	351105	30.00	352105	33.20	353105	43.60	354105	57.00	355105	79.00
		1	242218	.20	244218	.40	353018	.40	245218	.40	355018	.60
40	Countershaft {Cone Bearing {Cup	2	390359	2	390366	2	390373	2	390378	2	390384	2
		2	390358	4.20	352063	5.00	390374	2	390379	2	390385	2
42	Countershaft Bearing Adjusting Nut	1	351061	1.20	418007	1.40	353063	6.00	354063	7.20	355063	10.00
44	Countershaft Adj. Nut "O" Ring	1	418003	1.20	418007	1.40	418009	1.40	418011	1.40	418017	1.60
46	OUTPUT HUB ASSEMBLY ★	1	390216	62.40	390217	83.00	390218	119.60	390219	139.00	390220	223.80
48	▲ Output Hub	1	351008	32.00	352008	37.20	353008	53.00	354008	60.00	355008	80.00
48	▲ Output Hub Gear	1	351107	30.00	352107	45.20	353107	64.00	354107	76.00	355107	140.00
50	▲ Key	1	351017	.40	352017	.60	390233	2.60	390234	3.00	390235	3.80
52	Output Hub Seal	1	351010	7.00	352010	10.00	242210	8.20	243210	10.00	355010	12.00
54	Output Hub {Cone Bearing {Cup	2	390360	2	390367	2	390375	2	390344	2	390386	2
		2	390361	2	390368	2	390333	2	390345	2	390387	2
56	Output Bearing Adjusting Nut	1	351053	6.20	352061	7.40	353061	9.00	354061	11.20	355061	15.20
58	Output Adj. Nut "O" Ring	1	418016	1.60	418020	1.80	418022	2.00	418027	2.60	418038	3.60
60	Output Shaft {1 1/2" Diameter 2" Diameter 2 1/2" Diameter 3" Diameter 3 1/2" Diameter	1	352071	22.00	352071	22.00	353096	30.00	354096	38.00	355096	75.00
		1	352095	22.00	352095	22.00	353071	30.00	354097	38.00	355097	50.00
		1	352096	22.00	352096	22.00	353095	30.00	354071	38.00	355098	50.00
		1	352097	47.00	352097	47.00	353097	30.00	354095	38.00	355071	50.00
		1						354098	63.00	355095	50.00	
62	Output Shaft Key	1	443021	3.00	443021	3.00	443072	3.40	443071	3.00	443104	4.00
64	Output Shaft Washer Gasket	1	351051	.50	352051	.50	353051	.60	354051	.60	355051	.80
66	Output Shaft "O" Ring Gasket	1	418110	.60	418110	.60	418111	.80	418112	.80	418113	1.00
68	Output Shaft Retaining Washer	1	351056	2.00	352056	2.00	353056	3.20	354056	6.80	355056	10.40
70	Output Shaft Screw	1	417318	2.00	417318	2.00	417321	2.60	417322	3.80	417324	5.60
72	Lockwasher	1	419014	.10	419014	.10	419016	.10	419055	.30	419056	.40
74	Cover Plug	1	352055	1.20	352055	1.20	353055	1.20	355055	1.40	355055	1.40
76	Cover Plug Gasket	1	427660	.60	427660	.60	427662	.60	427661	1.20	427661	1.20
78	Packing Retainer	1	352062	3.20	352062	3.20	353062	3.60	354062	4.20	355062	5.20
80	Stud Bolt	2	400404	.50	400404	.50	400404	.50	400404	.50	400404	.50
82	Hex Jam Nut	2	407202	.10	407202	.10	407202	.10	407202	.10	407202	.10
84	Packing	2	427665	.80	427665	.80	427666	1.00	427667	2.20	427668	3.20
86	Flinger	1	352074	1.00	352074	1.00	353074	1.30	354074	2.00	355074	2.80
▲	Sight Level Oil Gage	1	430120	3.00	430120	3.00	430120	3.00	430120	3.00	430121	4.20
88	Adapter {for 6" Screw Diam. {for 9", 10" or 12" Screw Diam.	1	351083	42.00	352201	50.00						
		1	351088	36.00	352068	42.00	353068	42.00	354068	48.00	355068	68.00
90	Adapter {for 6" Screw Diam. Gasket {for 9", 10" or 12" Screw Diam.	1	418114	3.00	418114	3.00						
		1	418115	3.20	418115	3.20	418115	3.20	418115	3.20	418115	3.20
92	Adapter {Long Bolt {Short	2	411426	.90	411426	.90	411450	1.40	411452	1.60	411478	3.40
93	Lockwasher	4	419011	.10	419011	.10	419012	.10	419012	.10	419013	.10
▲	Plain Washer	2	419092	.20	419092	.20	419094	.20	419094	.20	419096	.20
▲	Adapter Dowel Pin	2	420084	1.00	420084	1.00	420096	1.20	420096	1.20	420109	1.40
95	Trough End {6" 9" 10" 12" 14" 16" 18" 20"	1	352182	18.00	352182	18.00	352181	22.00				
		1	352181	22.00	352181	22.00	352184	24.00				
		1	352184	24.00	352184	24.00	352185	26.00	354190	26.00	354190	26.00
		1	352185	26.00	352185	26.00	353191	28.00	354191	28.00	354191	28.00
		1						354192	40.00	354192	40.00	
		1						354193	50.00	354193	50.00	
		1						354194	60.00	354194	60.00	
96	Trough End Screw	3	415036	1.00	415036	1.00	415036	1.00	415038	1.20	415038	1.20
97	Lockwasher	3	419014	.10	419014	.10	419014	.10	419016	.10	419016	.10
98	Plain Washer	3	419081	.10	419081	.10	419081	.10	419082	.10	419082	.10
99	Hex Nut	3	407093	.20	407093	.20	407093	.20	407095	.30	407095	.30

*Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.

▲ 2 for CD108A, CD108B, CD118A and CD118B; 3 for CD208A, CD208B, CD218A and CD218B; 4 for larger sizes.

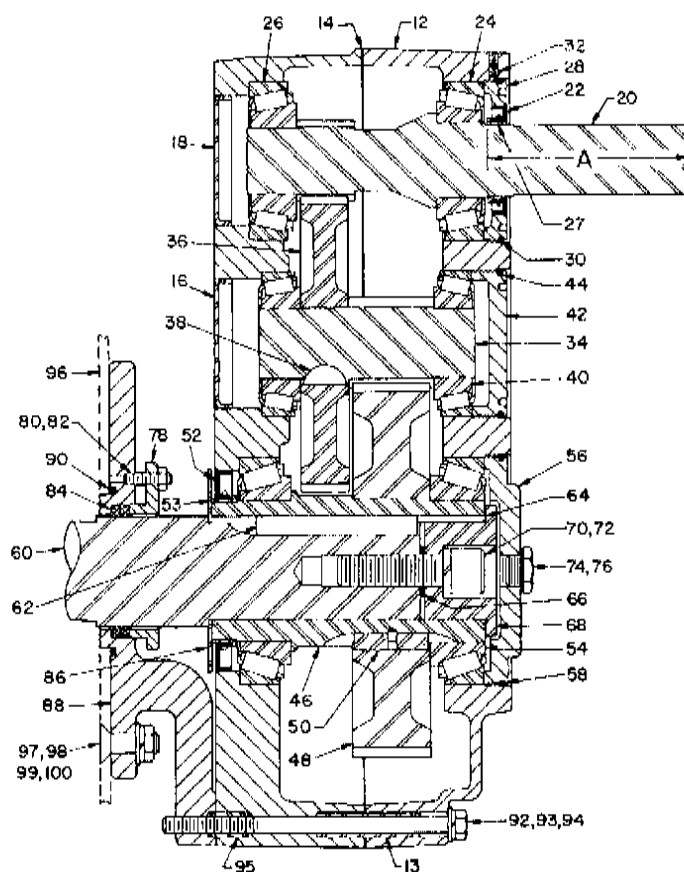
▲ Approximate ratio of CD108A, CD108B, CD208A, CD208B, CD308, CD408 and CD508 drives.

▲ Approximate ratio of CD118A, CD118B, CD218A, CD218B, CD318, CD418 and CD518 drives.

▲ Price on application.

▲ 1/2" hex key required for removal or replacement in 100 series or 200 series drives; 3/4" required for 300 series; 1/2" for 400 series; 3/4" for 500 series.

▲ 2 required for 200 series drives, 4 required for other sizes.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for CD608 and CD618 Screw Conveyor Drives

Price List L745

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390627	\$388.00	52	Output Hub Seal	1	356010	\$ 18.00
↓	▲ Air Vent	1	245237	2.00	53	Output Seal Wear Ring	1	356132	16.80
↓	▲ Housing Bolt	4	411468	1.20	54	Output Hub {Cup Bearing {Cone	2	390782	⊠
↓	▲ Lockwasher	4	419013	.10	56	Output Bearing Adjusting Nut	1	356061	23.80
↓	▲ Hex Nut	4	407091	.10	58	Output Adj. Nut "O" Ring	1	419044	4.00
↓	▲ Dowel Pin	2	420112	1.60	60	Output Shaft { 2 1/4" Diameter ■ 3" Diameter ■ 3 3/4" Diameter ■	1	356098	100.00
14	▲ Housing Gasket	1	246219	3.00			1	356071	100.00
↓	▲ Pipe Plug	4	430033	1.00			1	356095	100.00
↓	▲ Magnetic Plug	1	430062	1.20	62	Output Shaft Key	1	443118	4.20
16	▲ Countershaft Bearing Cover	1	246224	1.20	64	Output Shaft Washer Gasket	1	356051	1.20
18	▲ Input Shaft Bearing Cover	1	246224	1.20	66	Output Shaft "O" Ring Gasket	1	418113	1.00
20	Input Shaft {for 8 to 1 Ratio ↓ with Pinion {for 18 to 1 Ratio ↓	1	356109	154.00	68	Output Shaft Retaining Washer	1	356056	10.40
22	Input Shaft Seal	1	356011	15.00	70	Output Shaft Screw	1	417324	5.80
24	Input Shaft Bearing {Cup Input End {Cone	1	390470	⊠	72	Lockwasher	1	419056	.40
26	Input Shaft Bearing {Cup Closed End {Cone	1	390468	⊠	74	Cover Plug	1	355055	1.40
		1	390470	⊠	76	Cover Plug Gasket	1	427661	1.20
		1	390469	⊠	78	Packing Retainer	1	356062	8.20
27	Input Seal Wear Ring	1	356130	7.30	80	Stud Bolt	2	400404	.50
28	Input Bearing Adjusting Nut	1	356059	16.00	82	Hex Jam Nut	2	407202	.10
30	Input Adj. Nut "O" Ring	1	418226	2.60	84	Packing	2	427669	5.00
32	Adjusting Nut Lockscrew	3	400424	.23	86	Flinger	1	356074	4.20
	COUNTERSHAFT {for 8 to 1 Ratio ↓ ASSEMBLY {for 18 to 1 Ratio ↓	1	390628	245.60	↓	Sight Level Oil Gage	1	430121	4.20
		1	390629	247.10	88	Adapter	1	356068	110.00
34	▲ Countershaft and Pinion	1	356106	120.00	90	Adapter Gasket	1	418115	3.20
36	▲ First Reduc- {for 8 to 1 Ratio ↓ tion Gear {for 18 to 1 Ratio ↓	1	356108	125.00	92	Adapter Bolt	4	411476	3.50
		1	356105	126.50	93	Lockwasher	4	411468	.10
38	▲ Key	1	247218	.60	94	Plain Washer	2	419096	.20
40	Countershaft {Cup Bearing {Cone	2	390333	⊠	95	Adapter Dowel Pin	2	420109	1.40
42	Countershaft Bearing Adj. Nut	2	390471	⊠			1	354190	26.00
44	Countershaft Adj. Nut "O" Ring	1	356063	15.00			1	354191	28.00
	OUTPUT HUB ASSEMBLY *	1	418023	2.40			1	354192	40.00
46	▲ Output Hub	1	390630	356.00			1	354193	50.00
48	▲ Output Hub Gear	1	356008	128.00			1	354194	60.00
50	▲ Key	1	356107	224.00	97	Trough End Screw	3	415038	1.20
		1	356017	4.00	98	Lockwasher	3	419016	.10
					99	Plain Washer	3	419082	.10
					100	Hex Nut	3	407095	.30

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

⊠ Not shown on drawing.

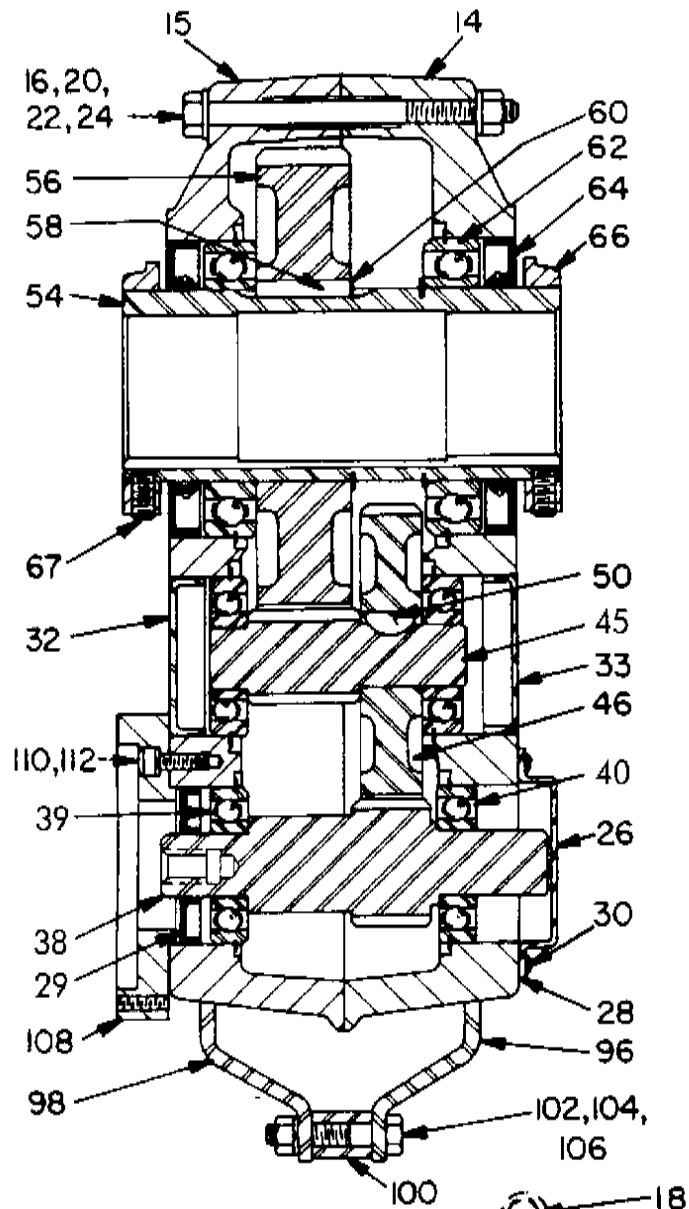
↓ Approximate ratio of CD608.

↓ Approximate ratio of CD618.

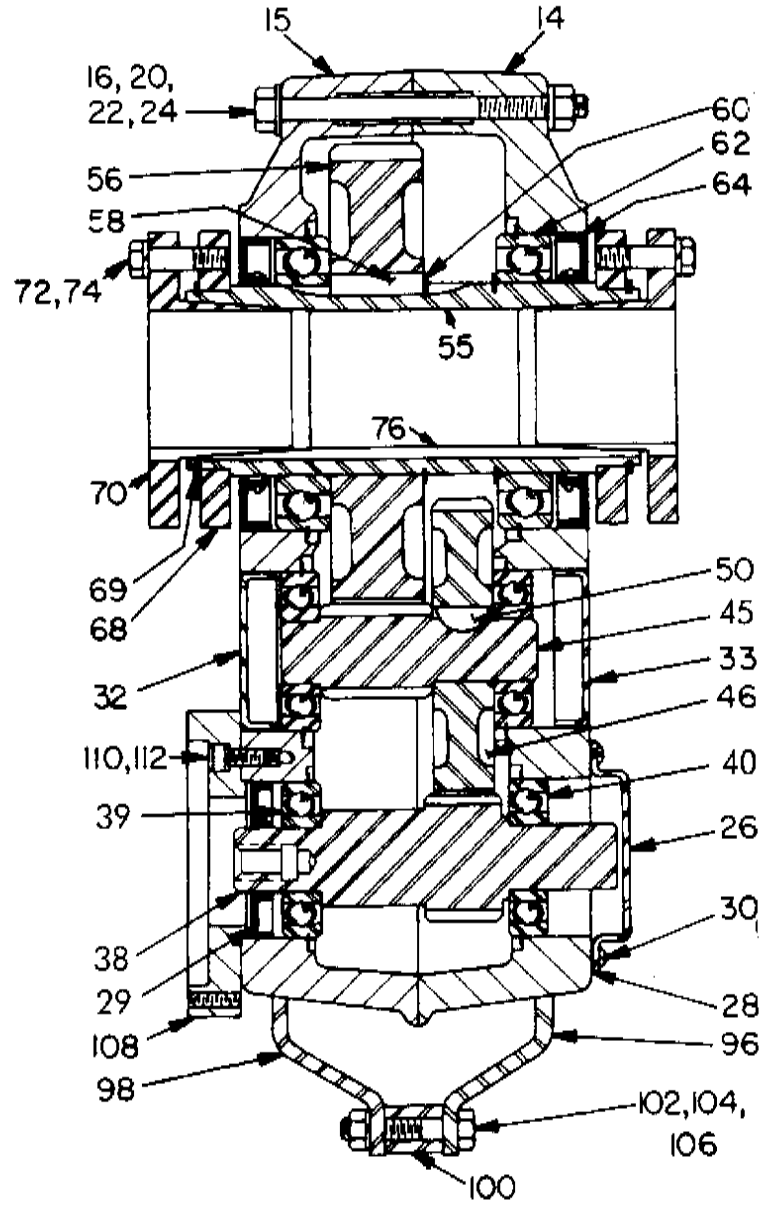
⊠ Price on application.

■ 3/4" hex key required for removal or replacement.

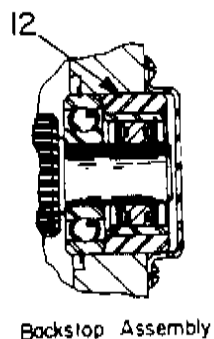
PARTS FOR HXT1 thru HXT5A STRAIGHT BORE & TAPER BUSHED HYDROIL SPEED REDUCERS



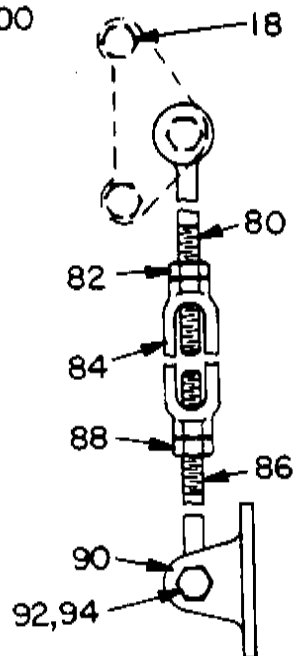
Straight Bore



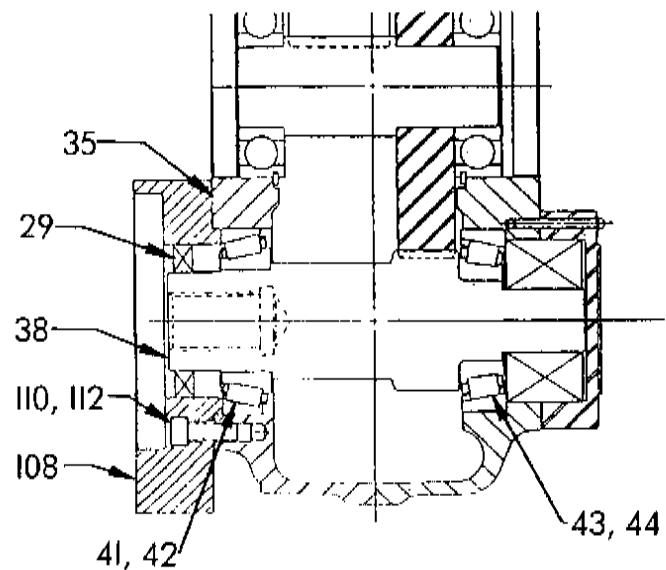
Taper - Bushed



Backstop Assembly



Torque-Arm Assembly



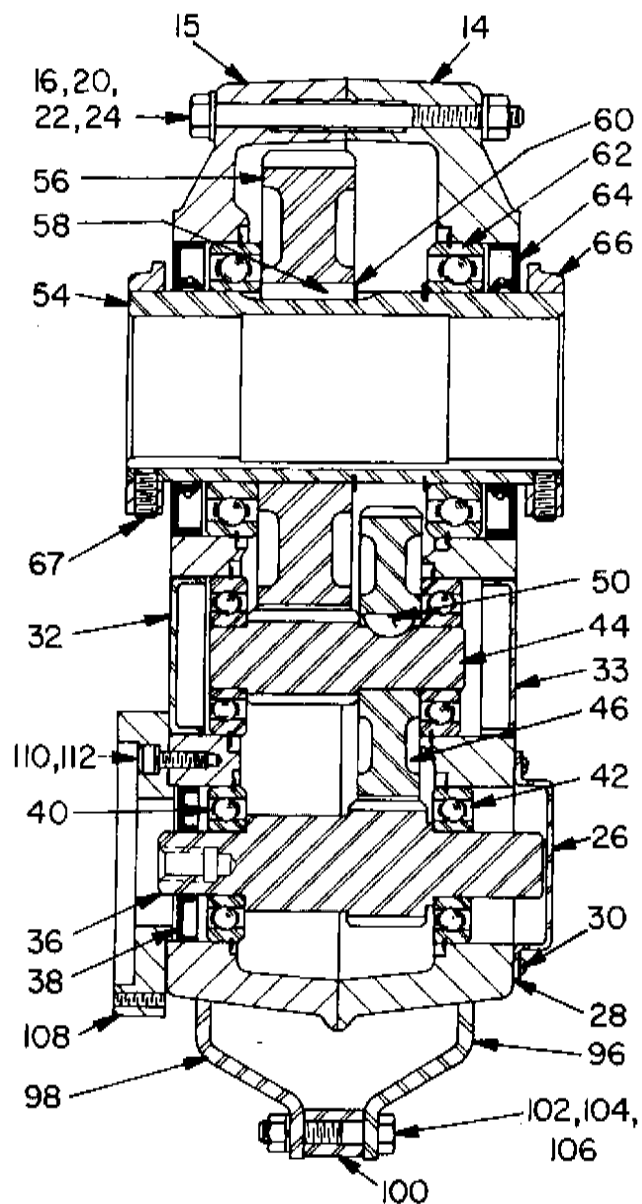
Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a cor 140 identification of the part or assembly.

242101 252101

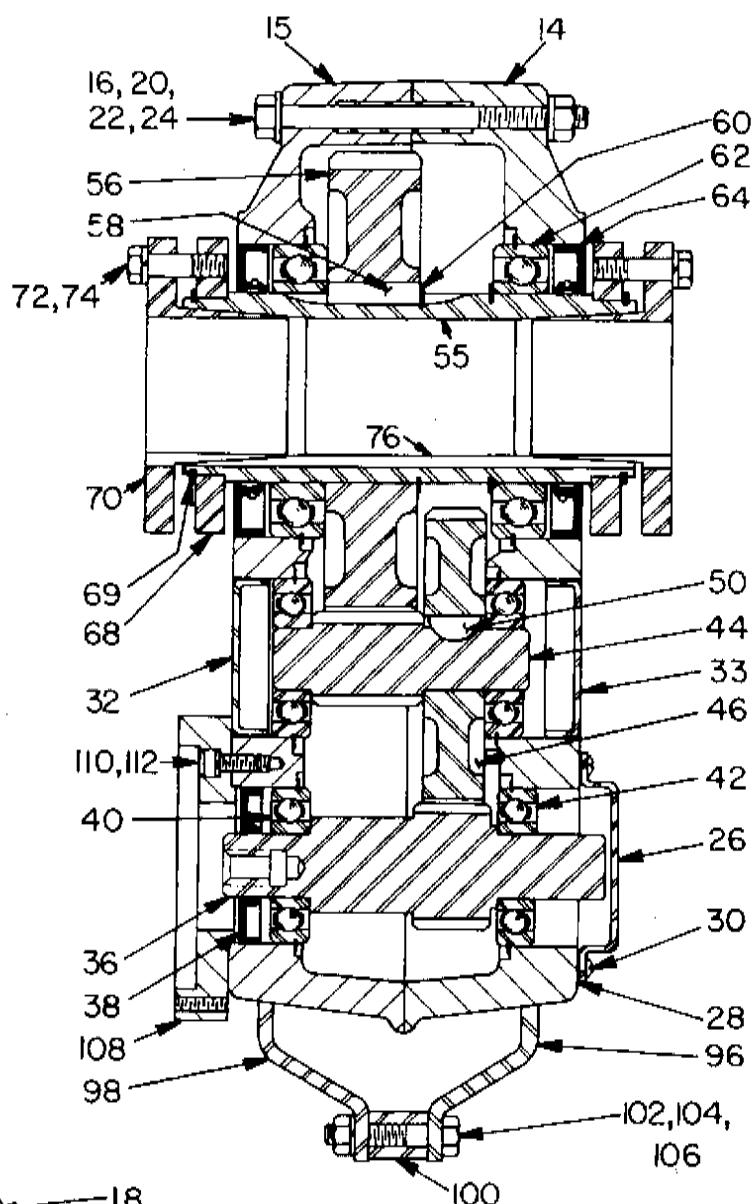
Refer- ence	Names of Part	No. Req'd	HXT1 Part No.	HXT2 Part No.	HXT3 Part No.	HXT4 Part No.	HXT5A Part No.
12	Backstop Assembly	1	241192	242192	243192	244182	245154
14	HOUSING	1	241192	242192	243192	244182	245154
15		1	241192	242192	243192	244182	245154
16	Air Vent	1	241237	241237	241237	241237	245237
18	Housing Bolt	1	411418	411418	411440	411442	411484
	Adapter—						
	Housing Bolt	2	411420	411420	411442	411444	411486
20	Lockwasher	1	419011	419011	419012	419012	419013
22	Hex Nut	4	407087	407087	407089	407089	407091
24	Dowel Pin	2	420092	420091	420095	420095	420110
	Pipe Plug	2	430031	430031	430031	430031	430033
	Magnetic Plug	1	430060	430060	430060	430060	430062
	Washer	2	419092	419094	419094	419094	419096
25	Backstop Cover	1	242221	243221	243221	244102	245156
30	Backstop Cover	1	415022	415022	415022	415022	416532
	Screw	4	415022	415022	415022	415022	416532
	Lockwasher	4	415022	415022	415022	415022	416532
32	C-Shaft Brg	1	242224	243224	243224	243224	355060
33	C-Shaft Brg	1	242224	243224	243224	243224	355060
	Cover (Backstop)	1	242224	243224	243224	243224	355060
	C-Shaft Brg	1	—	—	—	244222	—
	Cover Gasket	1	—	—	—	244222	—
	C-Shaft Brg	1	—	—	—	244222	—
	Cover Screw	4	—	—	—	415022	—
34	Input Shaft Seal Carrier	1	—	—	—	—	245538
35	Input Shaft Brg. Shim Pack	1	—	—	—	—	245538
	.002" Thick	1	—	—	—	—	427550
	.005" Thick	1	—	—	—	—	427551
	.010" Thick	1	—	—	—	—	427552
	.025" Thick	1	—	—	—	—	427553
36	Carrier Bolts	1	—	—	—	—	411407
37	Lockwasher	1	—	—	—	—	419011
38	Input Shaft	1	241455	242188	243061	244227	245532
	with Pinion	1	241449	242189	243060	244228	245533
39	Input Shaft Brg. (Input)	1	424017	424000	424000	424002	—
40	Input Shaft Brg. (Backstop)	1	424017	424000	424000	424002	—
41	Input Shaft Brg.	1	—	—	—	—	402144
42	Input Side	1	—	—	—	—	403104
43	Input Shaft Brg.	1	—	—	—	—	402266
44	Backstop Side	1	—	—	—	—	403073
	Cone	1	—	—	—	—	—
	Cup	1	—	—	—	—	—
	Cup	1	—	—	—	—	—
	Cup	1	—	—	—	—	—
45	COUNTER- SHAFT ASSEMBLY *	1	392090	392092	392094	392096	392098
	15:1 Ratio	1	392091	392093	392095	392097	392099
	25:1 Ratio	1	241216	242185	243185	244185	245185
46	▲First	1	241170	242006	243214	244214	245214
	Reduction	1	241171	242005	243212	244212	245212
	15:1 Ratio	1	241309	242218	243215	244215	245215
50	▲Gear Key	1	—	—	—	—	—
52	Countershaft Brg.	1	424002	424000	424002	424073	424010
53	Countershaft Brg.	1	424002	424000	424000	424009	424010
	(Input) &	1	—	—	—	—	—
	Countershaft Brg.	1	—	—	—	—	—
	(Backstop)	1	—	—	—	—	—
	Output Hub	1	390151	392110	392112	392114	392116
	Straight Bore	1	390878	392111	392113	392115	392117
54	▲Output Hub	1	241208	242208	243338	244208	245338
55	▲Output Hub	1	241265	242134	243307	244091	245113
	(Taper Bush.)	1	241007	242181	243222	244188	245188
56	▲Output Gear	1	241217	243309	243216	244217	245216
58	▲Output Gear Key	1	—	—	—	—	—
60	▲Output Hub	2	421013	421017	421021	421025	421030
	Snap Ring	1	443037	443068	443069	443102	443115
	Output Hub Key	1	—	—	—	—	—
	(Max. Bore)	1	—	—	—	—	—
62	Output Hub Bearing	2	424020	424022	424024	424026	424028
65	Output Hub Collar	2	441209	242209	243209	244209	245209
67	Collar Screw	4	400062	400084	400096	400150	400154
68	Bushing Back-up Plate	2	241266	242197	243308	244099	245114
69	Retaining Ring	2	421111	421112	421109	421108	421107
	1" Bore	1	241278	—	—	—	—
	1 1/16" Bore	1	241280	—	—	—	—
	1 1/8" Bore	1	241282	242146	—	—	—
	1 3/16" Bore	1	241286	242148	—	—	—
	1 1/4" Bore	1	241288	242150	—	—	—
	1 3/8" Bore	1	241290	242152	—	—	—
	1 1/2" Bore	1	241294	242154	—	—	—
	1 5/8" Bore	1	241292	242156	243260	—	—
	1 3/4" Bore	1	—	242158	243262	—	—
	2" Bore	1	—	242162	243264	244083	—
	2 1/8" Bore	1	—	242164	243266	244085	—
	2 1/4" Bore	1	—	242166	243268	244087	—
	2 3/8" Bore	1	—	—	243270	244089	245084
	2 1/2" Bore	1	—	242168	243272	244093	245086
	2 5/8" Bore	1	—	—	243274	244095	245088
	3" Bore	1	—	—	—	244109	—
	3 1/8" Bore	1	—	—	243276	244111	245090
	3 1/4" Bore	1	—	—	—	244113	245092
	3 3/8" Bore	1	—	—	—	244115	245094
	3 1/2" Bore	1	—	—	—	—	245096
	3 3/4" Bore	1	—	—	—	—	245100
	3 5/8" Bore	1	—	—	—	—	245102
	4" Bore	1	—	—	—	—	245104

Refer- ence	Names of Part	No. Req'd	HXT1 Part No.	HXT2 Part No.	HXT3 Part No.	HXT4 Part No.	HXT5A Part No.
72	▲Bushing Screw	6	411405	411390	411407	411408	411435
74	▲Lockwasher	6	419010	419010	419011	419011	419012
75	1" Bore	1	443274	—	—	—	—
	1 1/16" Bore	1	443274	—	—	—	—
	1 1/8" Bore	1	443271	443281	—	—	—
	1 3/16" Bore	1	241308	443281	—	—	—
	1 1/4" Bore	1	241307	443281	—	—	—
	1 3/8" Bore	1	241306	443280	443284	—	—
	1 1/2" Bore	1	241310	443280	443284	—	—
	1 5/8" Bore	1	241305	443282	443285	443254	—
	1 3/4" Bore	1	—	443282	443285	443254	—
	1 7/8" Bore	1	—	242172	443285	443254	—
	2" Bore	1	—	242171	443285	443254	—
	2 1/8" Bore	1	—	242170	443285	443254	—
	2 1/4" Bore	1	—	—	443287	443255	443251
	2 3/8" Bore	1	—	443283	443289	443255	443251
	2 1/2" Bore	1	—	443288	443289	443255	443251
	2 5/8" Bore	1	—	—	—	443258	—
	2 3/4" Bore	1	—	—	443270	443259	443251
	2 7/8" Bore	1	—	—	—	443260	443251
	2 15/16" Bore	1	—	—	—	443261	443243
	2 1" Bore	1	—	—	—	—	443244
2 1 1/16" Bore	1	—	—	—	—	443245	
2 1 1/8" Bore	1	—	—	—	—	443246	
2 1 1/4" Bore	1	—	—	—	—	443247	
2 1 1/2" Bore	1	—	—	—	—	443248	
2 1 3/4" Bore	1	—	—	—	—	443249	
2 1 5/8" Bore	1	—	—	—	—	443250	
2 1 1/2" Bore	1	—	—	—	—	443251	
2 1 3/4" Bore	1	—	—	—	—	443252	
2 2" Bore	1	—	—	—	—	443253	
2 2 1/8" Bore	1	—	—	—	—	443254	
2 2 1/4" Bore	1	—	—	—	—	443255	
2 2 3/8" Bore	1	—	—	—	—	443256	
2 2 1/2" Bore	1	—	—	—	—	443257	
2 2 3/4" Bore	1	—	—	—	—	443258	
2 2 5/8" Bore	1	—	—	—	—	443259	
2 3" Bore	1	—	—	—	—	443260	
2 3 1/8" Bore	1	—	—	—	—	443261	
2 3 1/4" Bore	1	—	—	—	—	443262	
2 3 3/8" Bore	1	—	—	—	—	443263	
2 3 1/2" Bore	1	—	—	—	—	443264	
2 3 3/4" Bore	1	—	—	—	—	443265	
2 3 5/8" Bore	1	—	—	—	—	443266	
2 4" Bore	1	—	—	—	—	443267	
2 4 1/8" Bore	1	—	—	—	—	443268	
2 4 1/4" Bore	1	—	—	—	—	443269	
2 4 3/8" Bore	1	—	—	—	—	443270	
2 4 1/2" Bore	1	—	—	—	—	443271	
2 4 3/4" Bore	1	—	—	—	—	443272	
2 4 5/8" Bore	1	—	—	—	—	443273	
2 5" Bore	1	—	—	—	—	443274	
2 5 1/8" Bore	1	—	—	—	—	443275	
2 5 1/4" Bore	1	—	—	—	—	443276	
2 5 3/8" Bore	1	—	—	—	—	443277	
2 5 1/2" Bore	1	—	—	—	—	443278	
2 5 3/4" Bore	1	—	—	—	—	443279	
2 5 5/8" Bore	1	—	—	—	—	443280	
2 6" Bore	1	—	—	—	—	443281	
2 6 1/8" Bore	1	—	—	—	—	443282	
2 6 1/4" Bore	1	—	—	—	—	443283	
2 6 3/8" Bore	1	—	—	—	—	443284	
2 6 1/2" Bore	1	—	—	—	—	443285	
2 6 3/4" Bore	1	—	—	—	—	443286	
2 6 5/8" Bore	1	—	—	—	—	443287	
2 7" Bore	1	—	—	—	—	443288	
2 7 1/8" Bore	1	—	—	—	—	443289	
2 7 1/4" Bore	1	—	—	—	—	443290	
2 7 3/8" Bore	1	—	—	—	—	443291	
2 7 1/2" Bore	1	—	—	—	—	443292	
2 7 3/4" Bore	1	—	—	—	—	443293	
2 7 5/8" Bore	1	—	—	—	—	443294	
2 8" Bore	1	—	—	—	—	443295	
2 8 1/8" Bore	1	—	—	—	—	443296	
2 8 1/4" Bore	1	—	—	—	—	443297	
2 8 3/8" Bore	1	—	—	—	—	443298	
2 8 1/2" Bore	1	—	—	—	—	443299	
2 8 3/4" Bore	1	—	—	—	—	443300	
2 8 5/8" Bore	1	—	—	—	—	443301	
2 9" Bore	1	—	—	—	—	443302	
2 9 1/8" Bore	1	—	—	—	—	443303	
2 9 1/4" Bore	1	—	—	—	—	443304	
2 9 3/8" Bore	1	—	—	—	—	443305	
2 9 1/2" Bore	1	—	—	—	—	443306	
2 9 3/4" Bore	1	—	—	—	—	443307	
2 9 5/8" Bore	1	—	—	—	—	443308	
2 10" Bore	1	—	—	—	—	443309	
2 10 1/8" Bore	1	—	—	—	—	443310	
2 10 1/4" Bore	1	—	—	—	—	443311	
2 10 3/8" Bore	1	—	—	—	—	443312	
2 10 1/2" Bore	1	—	—	—	—	443313	
2 10 3/4" Bore	1	—	—	—	—	443314	
2 10 5/8" Bore	1	—	—	—	—	443315	
2 11" Bore	1	—	—	—	—	443316	
2 11 1/8" Bore	1	—	—	—	—	443317	
2 11 1/4" Bore	1	—	—	—	—	443318	
2 11 3/8" Bore	1	—	—	—	—	443319	
2 11 1/2" Bore	1	—	—	—	—	443320	
2 11 3/4" Bore	1	—	—	—	—	443321	
2 11 5/8" Bore	1	—	—	—	—	443322	
2 12" Bore	1	—	—	—	—	443323	
2 12 1/8" Bore	1	—	—	—	—	443324	
2 12 1/4" Bore	1	—	—	—	—	443325	
2 12 3/8" Bore	1	—	—	—	—	443326	
2 12 1/2" Bore	1	—	—	—	—	443327	
2 12 3/4" Bore	1	—	—	—	—	443328	
2 12 5/8" Bore	1	—	—	—	—	443329	
2 13" Bore	1	—	—	—	—	443330	
2 13 1/8" Bore	1	—	—	—	—	443331	
2 13 1/4" Bore	1	—	—	—	—	443332	
2 13 3/8" Bore	1	—	—	—	—	443333	
2 13 1/2" Bore	1	—	—	—	—	443334	
2 13 3/4" Bore	1	—	—	—	—	443335	
2 13 5/8" Bore	1	—	—	—	—	443336	
2 14" Bore	1	—	—	—	—	443337	
2 14 1/8" Bore	1	—	—	—	—	443338	
2 14 1/4" Bore	1	—	—	—	—	443339	
2 14 3/8" Bore	1	—	—	—	—	443340	
2 14 1/2" Bore	1	—	—	—	—	443341	
2 14 3/4" Bore	1	—	—	—	—	443342	
2 14 5/8" Bore	1	—	—	—	—	443343	
2 15" Bore	1	—	—	—	—	443344	
2 15 1/8" Bore	1	—	—	—	—	443345	
2 15 1/4" Bore	1	—	—	—	—	443346	
2 15 3/8" Bore	1	—	—	—	—	443347	
2 15 1/2" Bore	1	—	—	—	—	443348	
2 15 3/4" Bore	1	—	—	—	—	443349	
2 15 5/8" Bore	1	—	—	—	—	443350	
2 16" Bore	1	—	—	—	—	443351	
2 16 1/8" Bore	1	—	—	—	—	443352	
2 16 1/4" Bore	1	—	—	—	—	443353	
2 16 3/8" Bore	1	—	—	—	—	443354	
2 16 1/2" Bore	1	—	—	—	—	443355	
2 16 3/4" Bore	1	—	—	—	—	443356	
2 16 5/8" Bore	1	—	—	—	—	443357	
2 17" Bore	1	—	—	—	—	443358	
2 17 1/8" Bore	1	—	—	—	—	443359	
2 17 1/4" Bore	1	—	—	—	—	443360	
2 17 3/8" Bore	1	—	—	—	—	443361	
2 17 1/2" Bore	1	—	—	—	—	443362	
2 17 3/4" Bore	1	—	—	—	—	443363	
2 17 5/8" Bore	1	—	—	—	—	443364	
2 18" Bore	1	—	—	—	—	443365	
2 18 1/8" Bore	1	—	—	—	—	443366	
2 18 1/4" Bore	1	—	—	—	—	443367	
2 18 3/8" Bore	1	—	—	—	—	443368	
2 18 1/2" Bore	1	—	—	—	—	443369	
2 18 3/4" Bore	1	—	—	—	—	443370	
2 18 5/8" Bore	1	—	—	—	—	443371	
2 19" Bore	1	—	—	—	—	443372	
2 19 1/8" Bore	1	—	—	—	—	443373	
2 19 1/4" Bore	1	—	—	—	—	443374	
2 19 3/8" Bore	1	—	—	—	—	443375	
2 19 1/2" Bore	1	—	—	—	—	443376	
2 19 3/4" Bore	1	—	—	—	—	443377	
2 19 5/8" Bore	1	—	—	—	—	443378	
2 20" Bore	1	—	—	—	—	443379	
2 20 1/8" Bore	1	—	—	—	—	443380	
2 20 1/4" Bore	1	—	—	—	—	443381	
2 20 3/8" Bore	1	—	—	—	—	443382	
2 20 1/2" Bore	1	—	—	—	—	443383	
2 20 3/4" Bore	1	—	—	—	—	443384	
2 20 5/8" Bore	1	—	—	—	—	443385	
2 21" Bore	1	—	—	—	—	443386	
2 21 1/8" Bore	1	—	—	—	—	443387	
2 21 1/4" Bore	1	—	—	—	—	443388	
2 21 3/8" Bore	1	—	—	—	—	443389	
2 21 1/2" Bore	1	—	—	—	—	443390	
2 21 3/4" Bore	1	—	—	—	—	443391	
2 21 5/8" Bore	1	—	—	—	—	443392	
2 22" Bore	1	—	—	—	—	443393	
2 22 1/8" Bore	1	—	—	—	—	443394	
2 22 1/4" Bore	1	—	—	—	—	443395	
2 22 3/8" Bore	1	—	—	—	—	443396	
2 22 1/2" Bore	1	—	—	—	—	443397	
2 22 3/4" Bore	1	—	—	—	—	443398	
2 22 5/8" Bore	1	—	—	—	—	443399	
2 23" Bore	1	—	—	—	—	443400	
2 23 1/8" Bore	1	—	—	—	—	443401	
2 23 1/4" Bore	1	—	—	—	—	443402	
2 23 3/8" Bore	1	—	—	—	—	443403	
2 23 1/2" Bore	1	—	—	—	—	443404	
2 23 3/4" Bore	1	—	—	—	—	443405	
2 23 5/8" Bore	1	—	—	—	—	443406	
2 24" Bore	1	—	—	—	—	443407	
2 24 1/8" Bore	1	—	—	—	—	443408	
2 24 1/4" Bore	1	—	—	—	—	443409	
2 24 3/8" Bore	1	—	—	—	—	443410	
2 24 1/2" Bore	1	—	—	—	—	443411	
2 24 3/4" Bore	1	—	—	—	—	443412	
2 24 5/8" Bore	1	—	—	—	—	443413	
2 25" Bore	1	—	—	—	—	443414	
2 25 1/8" Bore	1	—	—	—	—	443415	
2 25 1/4" Bore	1	—	—	—	—	443416	
2 25 3/8" Bore	1	—	—	—	—	443417	
2 25 1/2" Bore	1	—	—	—	—	443418	
2 25 3/4" Bore	1	—	—	—	—	443419	
2 25 5/8" Bore	1	—	—	—	—	443420	
2 26" Bore	1	—	—	—	—	443421	
2 26 1/8" Bore	1	—	—	—	—	443422	
2 26 1/4" Bore	1	—	—	—	—	443423	
2 26 3/8" Bore	1	—	—	—	—	443424	

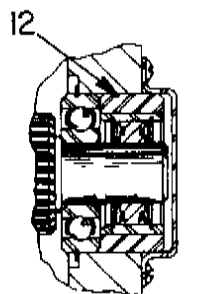
PARTS FOR HXT1 thru HXT5 STRAIGHT BORE & TAPER BUSHED HYDROIL SPEED REDUCERS



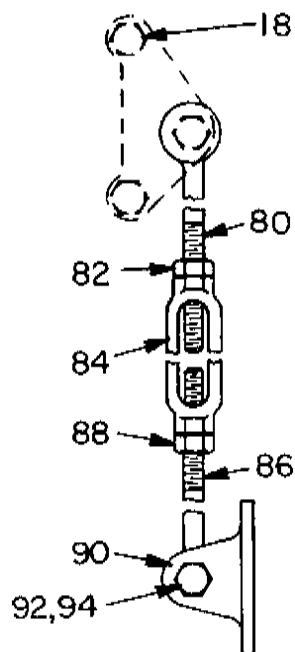
Straight Bore



Taper - Bushed



Backstop Assembly

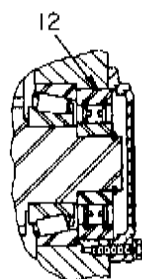
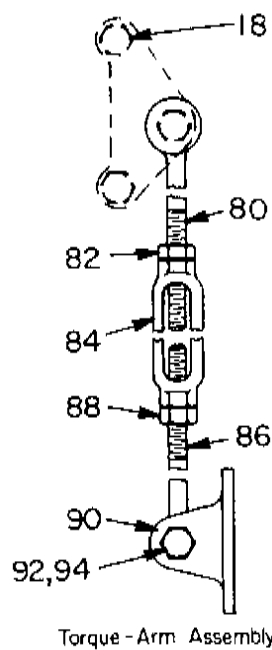
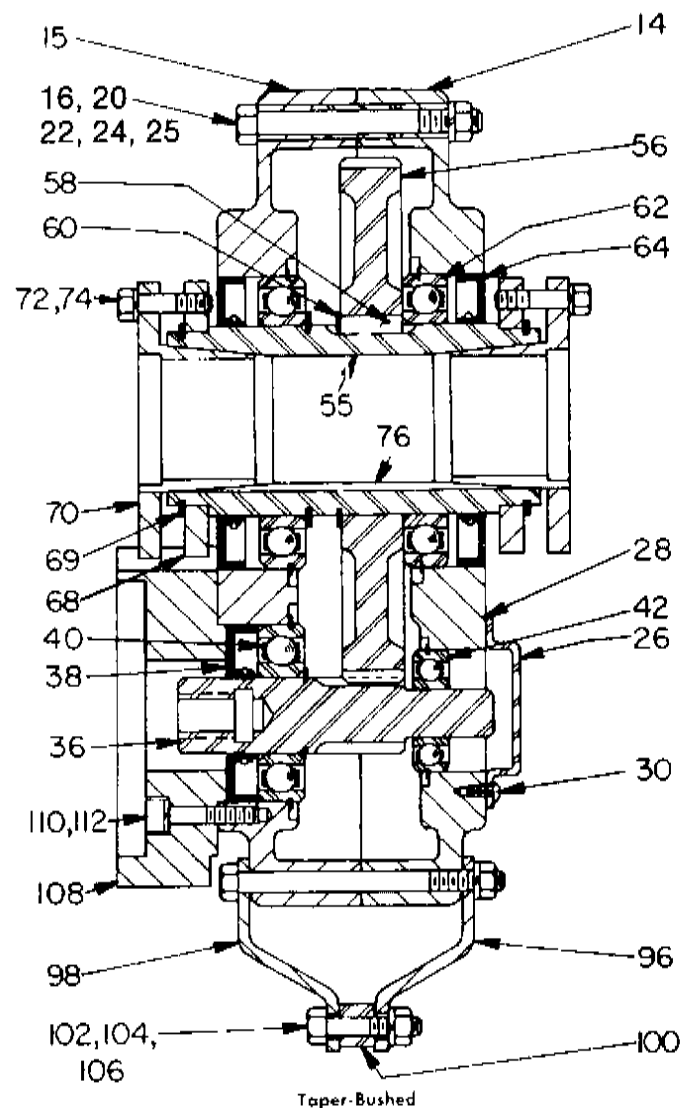
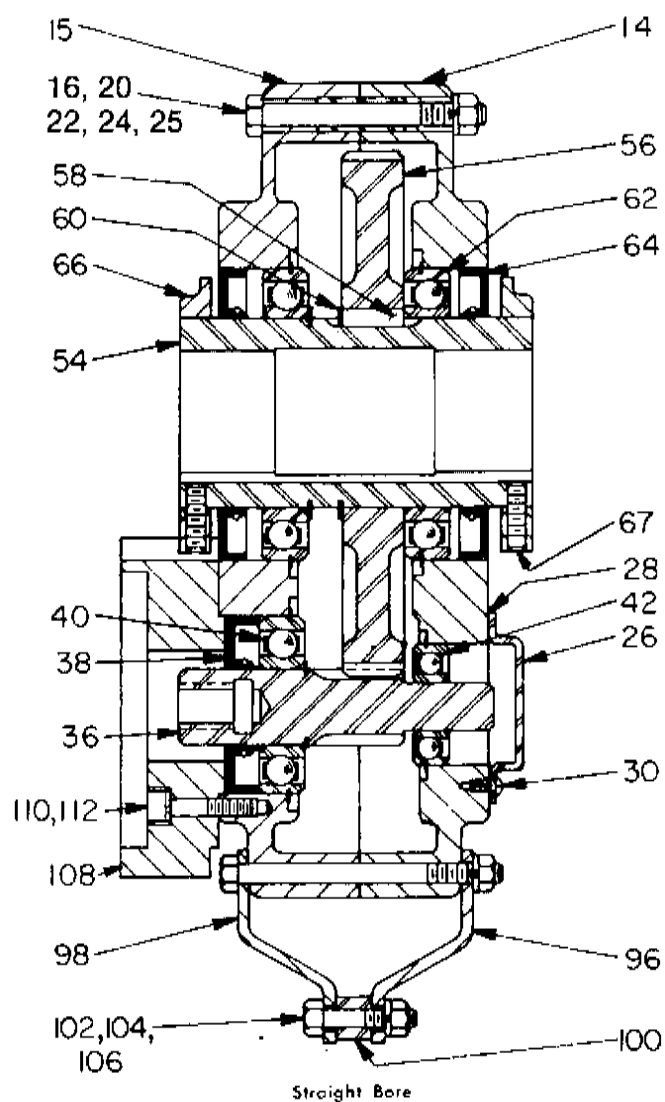


Torque-Arm Assembly

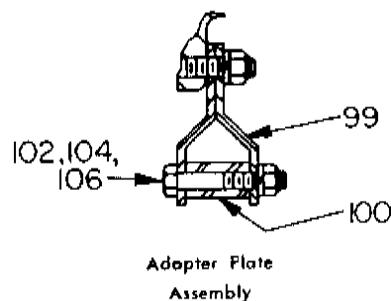
Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Reference	Name of Part	No. Req'd.	HXT1 Part No.	HXT2 Part No.	HXT3 Part No.	HXT4 Part No.	HXT5 Part No.
12	Backstop Assembly	1	241101	22101	24310	244148	245154
14	HOUSING	1	241192	242192	243192	244182	245172
15	Air Vent	1	241237	241237	241237	241237	245237
16	Housing Bolt	1	411418	411481	411440	411442	411464
18	Adaptor — Housing Bolt	2	411420	411420	411442	411444	411466
20	Lockwasher	2	419011	419011	419012	419012	419013
22	Hex Nut	2	407087	407087	407089	407089	407091
24	Dowel Pin	2	420092	420091	420055	420055	420110
26	Pipe Plug	2	430031	430031	430031	430031	430033
28	Magnetic Plug Washer	2	430060	430060	430060	430060	430062
30	Backstop Cover Gasket	1	242221	243221	243221	243221	435221
32	Backstop Cover Gasket	1	242220	243220	243220	243220	245220
33	Backstop Cover Screw	4	415022	415022	415022	415022	416532
34	Lockwasher	4	419007	419007	419007	419007	419007
36	C' Shaft Brg. Cover (Input)	1	242224	242212	243194	244223	355060
38	C' Shaft Brg. Cover (Backstop)	1	242224	243224	243224	243224	355080
40	C' Shaft Brg. Cover Gasket	1	415022	415022	415022	415022	416532
42	C' Shaft Brg. Cover Screw	4	419007	419007	419007	419007	419007
44	Housing Gasket	1	241219	242219	243219	244219	245219
46	Input Shaft 15:1 Ratio with Pinion 25:1 Ratio	1	241455	242188	243061	244227	245060
48	Input Shaft Seal	1	241449	242189	243060	244228	245068
50	Input Shaft Brg. (Input)	1	241457	242457	243203	244203	245063
52	Input Shaft Brg. (Backstop)	1	390283	390283	390284	390285	390298
54	COUNTER-SHAFT ASSEMBLY * 15:1 Ratio	1	390200	390202	390204	390206	390208
56	Countershaft with Pinion	1	390201	390203	390205	390207	390209
58	First Reduction 15:1 Ratio Gear 25:1 Ratio	1	241216	242185	243185	244185	245185
60	Gear Key	1	241170	242008	243214	244214	245214
62	Countershaft Brg. (Input) & Countershaft Brg. (Backstop)	1	241171	242005	243212	244212	245212
64	Countershaft Brg. (Input) & Countershaft Brg. (Backstop)	1	241309	242218	243215	244215	245215
66	Countershaft Brg. (Input) & Countershaft Brg. (Backstop)	1	391757	390288	390295	390286	390302
68	Countershaft Brg. (Input) & Countershaft Brg. (Backstop)	1	391757	390288	390288	390287	390302
70	OUTPUT HUB ASSEMBLY *	1	390151	392110	392112	392114	392116
72	Straight Bore	1	390878	392111	392113	392115	392117
74	Taper Bushed	1	241208	242208	243338	244208	245338
76	Output Hub (Str. Bore)	1	241265	242134	243307	244091	245113
78	Output Gear	1	241007	242181	243222	244188	245186
80	Output Gear Key	1	241217	443399	243216	244217	245216
82	Output Hub Snap Ring	2	421013	421017	421021	421025	421030
84	Output Hub Key (Max. Bore)	1	443037	443068	443069	443102	443115
86	Output Hub Bearing	2	390279	390284	390287	390296	390300
88	Output Hub Seal	2	241202	242202	243202	244202	245202
90	Output Hub Collar	2	241209	242209	243209	244209	245209
92	Callar Screw	4	400062	400094	400098	400150	400154
94	Bushing Back up Plate	2	241266	242137	243308	244099	245114
96	Retaining Ring	2	421111	421112	421109	421108	421107
98	1" Bore	1	241278	242146	243246	244083	245083
100	1 1/8" Bore	1	241280	242148	243248	244085	245085
102	1 1/4" Bore	1	241282	242150	243250	244087	245087
104	1 1/2" Bore	1	241284	242152	243252	244089	245089
106	1 3/4" Bore	1	241286	242154	243254	244091	245091
108	2" Bore	1	241288	242156	243256	244093	245093
110	2 1/4" Bore	1	241290	242158	243258	244095	245095
112	2 1/2" Bore	1	241292	242160	243260	244097	245097
114	2 3/4" Bore	1	241294	242162	243262	244099	245099
116	3" Bore	1	241296	242164	243264	244101	245101
118	3 1/2" Bore	1	241298	242166	243266	244103	245103
120	4" Bore	1	241300	242168	243268	244105	245105
122	4 1/2" Bore	1	241302	242170	243270	244107	245107
124	5" Bore	1	241304	242172	243272	244109	245109
126	5 1/2" Bore	1	241306	242174	243274	244111	245111
128	6" Bore	1	241308	242176	243276	244113	245113
130	6 1/2" Bore	1	241310	242178	243278	244115	245115
132	7" Bore	1	241312	242180	243280	244117	245117
134	7 1/2" Bore	1	241314	242182	243282	244119	245119
136	8" Bore	1	241316	242184	243284	244121	245121
138	8 1/2" Bore	1	241318	242186	243286	244123	245123
140	9" Bore	1	241320	242188	243288	244125	245125
142	9 1/2" Bore	1	241322	242190	243290	244127	245127
144	10" Bore	1	241324	242192	243292	244129	245129
146	10 1/2" Bore	1	241326	242194	243294	244131	245131
148	11" Bore	1	241328	242196	243296	244133	245133
150	11 1/2" Bore	1	241330	242198	243298	244135	245135
152	12" Bore	1	241332	242200	243300	244137	245137
154	12 1/2" Bore	1	241334	242202	243302	244139	245139
156	13" Bore	1	241336	242204	243304	244141	245141
158	13 1/2" Bore	1	241338	242206	243306	244143	245143
160	14" Bore	1	241340	242208	243308	244145	245145
162	14 1/2" Bore	1	241342	242210	243310	244147	245147
164	15" Bore	1	241344	242212	243312	244149	245149
166	15 1/2" Bore	1	241346	242214	243314	244151	245151
168	16" Bore	1	241348	242216	243316	244153	245153
170	16 1/2" Bore	1	241350	242218	243318	244155	245155
172	17" Bore	1	241352	242220	243320	244157	245157
174	17 1/2" Bore	1	241354	242222	243322	244159	245159
176	18" Bore	1	241356	242224	243324	244161	245161
178	18 1/2" Bore	1	241358	242226	243326	244163	245163
180	19" Bore	1	241360	242228	243328	244165	245165
182	19 1/2" Bore	1	241362	242230	243330	244167	245167
184	20" Bore	1	241364	242232	243332	244169	245169
186	20 1/2" Bore	1	241366	242234	243334	244171	245171
188	21" Bore	1	241368	242236	243336	244173	245173
190	21 1/2" Bore	1	241370	242238	243338	244175	245175
192	22" Bore	1	241372	242240	243340	244177	245177
194	22 1/2" Bore	1	241374	242242	243342	244179	245179
196	23" Bore	1	241376	242244	243344	244181	245181
198	23 1/2" Bore	1	241378	242246	243346	244183	245183
200	24" Bore	1	241380	242248	243348	244185	245185
202	24 1/2" Bore	1	241382	242250	243350	244187	245187
204	25" Bore	1	241384	242252	243352	244189	245189
206	25 1/2" Bore	1	241386	242254	243354	244191	245191
208	26" Bore	1	241388	242256	243356	244193	245193
210	26 1/2" Bore	1	241390	242258	243358	244195	245195
212	27" Bore	1	241392	242260	243360	244197	245197
214	27 1/2" Bore	1	241394	242262	243362	244199	245199
216	28" Bore	1	241396	242264	243364	244201	245201
218	28 1/2" Bore	1	241398	242266	243366	244203	245203
220	29" Bore	1	241400	242268	243368	244205	245205
222	29 1/2" Bore	1	241402	242270	243370	244207	245207
224	30" Bore	1	241404	242272	243372	244209	245209
226	30 1/2" Bore	1	241406	242274	243374	244211	245211
228	31" Bore	1	241408	242276	243376	244213	245213
230	31 1/2" Bore	1	241410	242278	243378	244215	245215
232	32" Bore	1	241412	242280	243380	244217	245217
234	32 1/2" Bore	1	241414	242282	243382	244219	245219
236	33" Bore	1	241416	242284	243384	244221	245221
238	33 1/2" Bore	1	241418	242286	243386	244223	245223
240	34" Bore	1	241420	242288	243388	244225	245225
242	34 1/2" Bore	1	241422	242290	243390	244227	245227
244	35" Bore	1	241424	242292	243392	244229	245229
246	35 1/2" Bore	1	241426	242294	243394	244231	245231
248	36" Bore	1	241428	242296	243396	244233	245233
250	36 1/2" Bore	1	241430	242298	243398	244235	245235
252	37" Bore	1	241432	242300	243400	244237	245237
254	37 1/2" Bore	1	241434	242302	243402	244239	245239
256	38" Bore	1	241436	242304	243404	244241	245241
258	38 1/2" Bore	1	241438	242306	243406	244243	245243
260	39" Bore	1	241440	242308	243408	244245	245245
262	39 1/2" Bore	1	241442	242310	243410	244247	245247
264	40" Bore	1	241444	242312	243412	244249	245249
266	40 1/2" Bore	1	241446	242314	243414	244251	245251
268	41" Bore	1	241448	242316	243416	244253	245253
270	41 1/2" Bore	1	241450	242318	243418	244255	245255
272	42" Bore	1	241452	242320	243420	244257	245257
274	42 1/2" Bore	1	241454	242322	243422	244259	245259
276	43" Bore	1	241456	242324	243424	244261	245261
278	43 1/2" Bore	1	241458	242326	243426	244263	245263
280	44" Bore	1	241460	242328	243428	244265	245265
282	44 1/2" Bore	1	241462	242330	243430	244267	245267
284	45" Bore	1	241464	242332	243432	244269	245269
286	45 1/2" Bore	1	241466	242334	243434	244271	245271
288	46" Bore	1	241468	242336	243436	244273	245273
290	46 1/2" Bore	1	241470	242338	243438	244275	245275
292	47"						

PARTS FOR HXT105 thru HXT505 STRAIGHT BORE & TAPER BUSHED HYDROL SPEED REDUCERS



Note: Reference Instruction
Manual 499926 for Backstop
Assembly Information



Note: The two digit num-
bers are for reference only.
Order parts by the six
digit numbers in the Parts
List. Each six digit number
is a complete identification
of the part or assembly.

Reference	Name of Part	No. Req'd	HXT105 Part No.	HXT205 Part No.	HXT305 Part No.	HXT405 Part No.	HXT505 Part No.
12	Backstop Assembly	1	242101	252101	262101	244148	246101
14	HOUSING	1	241188	242196	243188	244172	245167
15	Air Vent	1	241237	241237	241237	241237	245237
16	Housing Bolt	†	411418	411418	411440	411442	411466
18	Adaptor — Housing Bolt Washer	2	411420	411420	411442	411444	411468
20	Lockwasher	‡	419092	419204	419094	419094	419096
22	Hex Nut	‡	419011	419011	419012	419012	419013
24	Dowel Pin	2	407087	407087	407089	407089	407091
26	Pipe Plug	2	420092	420091	420055	420055	420055
28	Magnetic Plug	1	430031	430031	430031	430031	430033
30	Washer	2	430060	430060	430060	430060	430062
32	Backstop Cover	1	419092	419204	419094	419094	419096
34	Backstop Cover Gasket	1	242221	243221	253021	254021	255019
36	Backstop Cover Screw	1	242220	243220	243220	254020	255020
38	Lockwasher	4	415022	415022	415022	415022	416548
39		4	419092	419204	419094	419094	419096
36*	Input Shaft with pinion	1	251086	242215	243184	244123	245141
38*	Input Shaft Seal	1	251089	252063	253063	254063	255063
54*	OUTPUT HUB ASSEMBLY*	1	390151	392110	392112	392114	392116
55*	Straight Bore	1	390878	392111	392113	392115	392117
56*	Taper Bushed	1	241208	242208	243338	244208	245338
58*	ΔOutput Hub (Str. Bore)	1	241265	242134	243307	244091	245113
60*	ΔOutput Hub (Taper Bush)	1	241007	242181	243222	244188	245186
62*	ΔOutput Gear	1	241217	443399	243216	244217	245216
64*	ΔOutput Gear Key	2	421013	421017	421021	421025	421030
66*	Snap Ring	1	443037	443068	443069	443102	443115
68*	Output Hub Key □ (Max. bore)	2	241210	242210	243210	244210	245210
70*	Output Hub Collar □	2	241209	242209	243209	244209	245209
72*	Collar Screw □	4	400062	400094	400098	400150	400154
74*	Bushing Back-up Plate ■	2	241265	242137	243308	244099	245114
76*	Retaining Ring ■	2	421111	421112	421109	421108	421107
78*	1" Bore	1	241278	242152	243282	244079	245088
80*	1-1/16" Bore	1	241280	242154	243284	244087	245089
82*	1-1/8" Bore	1	241282	242146	243286	244089	245091
84*	1-3/16" Bore	1	241285	242148	243289	244091	245093
86*	1-1/4" Bore	1	241288	242150	243292	244093	245095
88*	1-5/16" Bore	1	241290	242152	243296	244095	245097
90*	1-3/8" Bore	1	241292	242154	243300	244097	245099
92*	1-7/16" Bore	1	241294	242156	243302	244100	245102
94*	1-1/2" Bore	1	241296	242158	243304	244102	245104
96*	1-11/16" Bore	1	241298	242160	243306	244104	245106
98*	1-3/4" Bore	1	241300	242162	243308	244106	245108
100*	1-7/8" Bore	1	241302	242164	243310	244108	245110
102*	1-15/16" Bore	1	241304	242166	243312	244110	245112
104*	2" Bore	1	241306	242168	243314	244112	245114
106*	2-1/8" Bore	1	241308	242170	243316	244114	245116
108*	2-3/16" Bore	1	241310	242172	243318	244116	245118
110*	2-1/4" Bore	1	241312	242174	243320	244118	245120
112*	2-7/16" Bore	1	241314	242176	243322	244120	245122
114*	2-1/2" Bore	1	241316	242178	243324	244122	245124
116*	2-11/16" Bore	1	241318	242180	243326	244124	245126
118*	2-15/16" Bore	1	241320	242182	243328	244126	245128

Reference	Name of Part	No. Req'd	HXT105 Part No.	HXT205 Part No.	HXT305 Part No.	HXT405 Part No.	HXT505 Part No.
72	ΔBushing Screw	6	411405	411390	411407	411408	411435
74	ΔLockwasher	6	419010	419010	419011	419011	419012
76	1" Bore	1	443274	443274	443274	443274	443274
78	1-1/16" Bore	1	443274	443274	443274	443274	443274
80	1-1/8" Bore	1	443271	443281	443281	443281	443281
82	1-3/16" Bore	1	241308	443281	443281	443281	443281
84	1-1/4" Bore	1	241307	443281	443281	443281	443281
86	1-5/16" Bore	1	241306	443280	443284	443284	443284
88	1-3/8" Bore	1	241310	443280	443284	443284	443284
90	1-7/16" Bore	1	241305	443282	443265	443254	443254
92	1-1/2" Bore	1	443282	443265	443254	443254	443254
94	1-5/8" Bore	1	242172	443265	443254	443254	443254
96	1-11/16" Bore	1	242171	443268	443254	443254	443254
98	1-3/4" Bore	1	242170	443268	443254	443254	443254
100	1-7/8" Bore	1	443267	443255	443251	443251	443251
102	1-15/16" Bore	1	443269	443255	443251	443251	443251
104	2" Bore	1	443268	443255	443251	443251	443251
106	2-1/8" Bore	1	443270	443259	443251	443251	443251
108	2-3/16" Bore	1	443260	443251	443251	443251	443251
110	2-1/4" Bore	1	443261	443243	443244	443244	443244
112	2-7/16" Bore	1	443261	443243	443244	443244	443244
114	2-1/2" Bore	1	443261	443243	443244	443244	443244
116	2-11/16" Bore	1	443261	443243	443244	443244	443244
118	2-15/16" Bore	1	443261	443243	443244	443244	443244
120	ΔKey, Bushing to Output Hub	1/8	443272	443284	443262	443257	443202
122	ΔKey, Bushing to Output Hub	1/8	443273	443284	443262	443257	443202
124	TORQUE ARM ASSEMBLY*	1	241097	243097	243097	245097	245097
126	ΔRod End	1	241245	243245	243245	245245	245245
128	ΔHex Nut	1	407093	407095	407095	407097	407097
130	ΔTurnbuckle	1	241246	243246	243246	245246	245246
132	ΔExtension	1	241247	243247	243247	245247	245247
134	ΔL.H. Hex Nut	1	407242	407244	407244	407246	407246
136	ΔFulcrum	1	241249	243249	243249	245249	245249
138	ΔHex Nut	1	411456	411484	411484	411484	411484
140	ΔHex Nut	1	407091	407093	407093	407093	407093
142	ADAPTER ASSEMBLY*	1	259151	259152	259153	259154	259154
144	ΔR.H. Adapter Plate	1	241242	242136	243242	244242	244242
146	ΔL.H. Adapter Plate	1	241241	242135	243241	244241	244241
148	ΔAdapter Plate Assy.	1	242243	243243	243243	245243	245243
150	ΔAdapter Bushing	1	411412	411437	411437	411460	411460
152	ΔAdapter Bolt	1	419011	419012	419012	419013	419013
154	ΔLockwasher	1	407087	407089	407089	407091	407091
156	ΔHex Nut	1	407087	407089	407089	407091	407091
158	Motor Adapter	1	251087	252078	253018	254087	255145
160	Adapter Screw	6	417090	417090	417111	417120	417120
162	Lockwasher	6	419046	419046	419047	419047	419047
164	BEARING KIT*	1	389916	389911	389912	389913	389915
166	ΔInput Shaft Brg.	1	424137	424078	424080	424013	424083
168	ΔInput Shaft Brg. (Backstop)	1	424012	424000	424000	424088	424010
170	ΔOutput Hub Brg.	2	424020	424022	424024	424026	424028

* Includes parts listed immediately below marked "Δ". HXT105 and HXT505 also include two-piece housing. Bushing assembly includes 2 bushings.

Δ Parts marked "Δ" make up the assemblies under which they are listed.

δ Not shown on drawing

† 4 req'd. on HXT105; 5 req'd. on HXT205; 6 req'd. on HXT305, HXT405 & HXT505.

‡ 6 req'd. on HXT105; 7 req'd. on HXT205; 8 req'd. on HXT305, HXT405 & HXT505.

□ Straight Bore only.

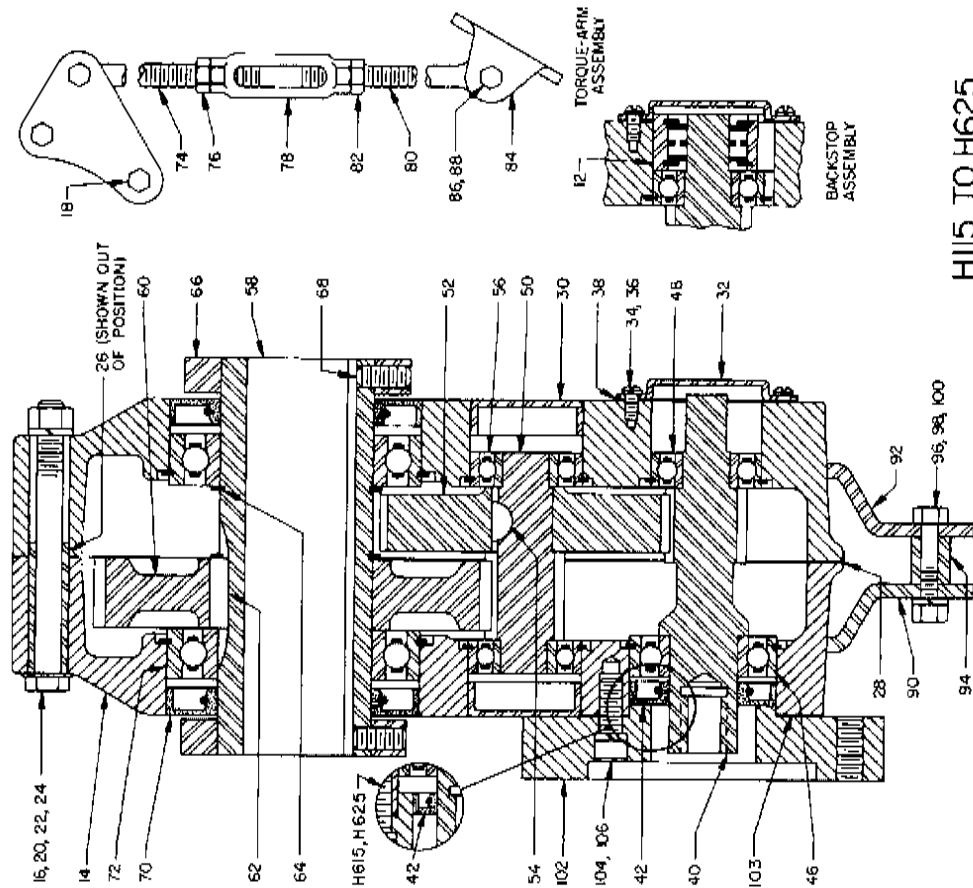
■ Taper Bushed only.

β On size — HXT105 for 3/4" thru 1" bores; HXT205 for 15/16" thru 1-1/2" bores and HXT305 for 1-5/16" thru 1-3/4" bores; HXT405 for 1-3/8" thru 1-7/8" bores; HXT505 for 1-7/16" thru 2-1/4" bores.

λ On size — HXT105 for 1-1/16" and 1-1/8" bores; HXT405 for 1-15/16" and 2" bores.

* Recommended spare parts.

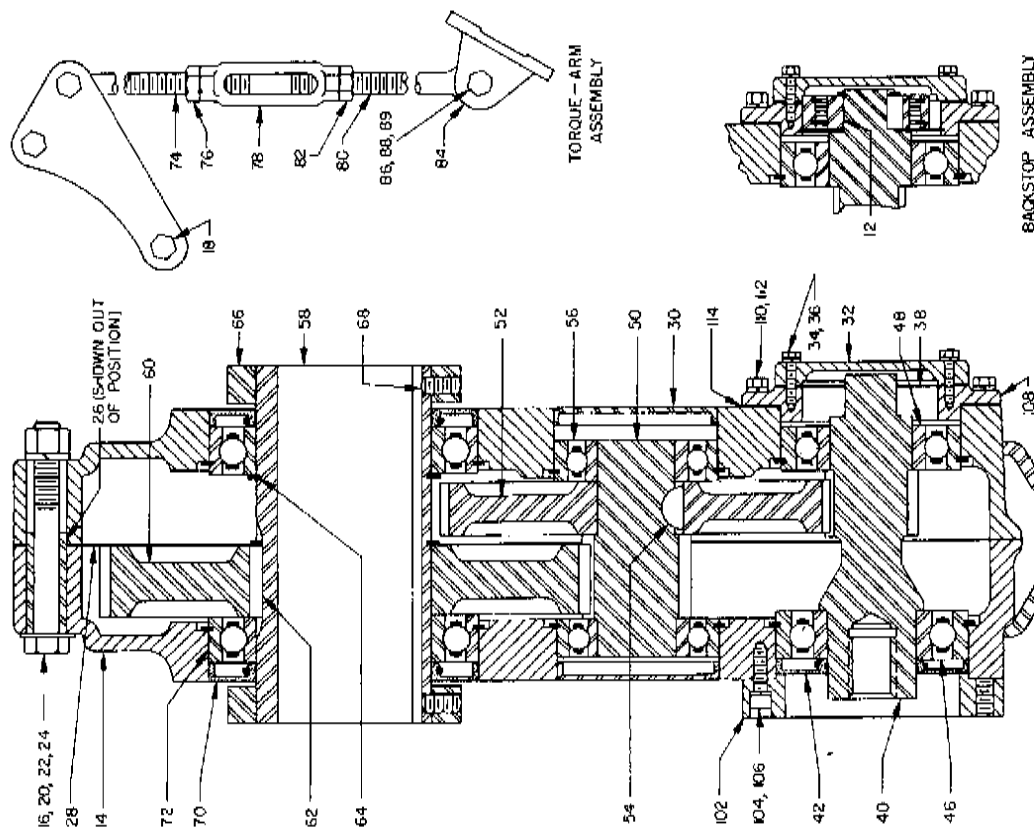
- ★ Includes parts listed immediately below marked "A". Housing Assembly also includes two-piece housing.
- ▲ The parts marked "A" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.
- ◆ Not shown on drawing.
- † 4 required for H115 and H125; 5 required for H215 and H225; 6 required for larger sizes.
- ‡ 6 required for H115 and H125; 7 required for H215 and H225; 8 required for larger sizes.
- † 6 required for H615, H625, H715 and H725; 4 required for smaller sizes.



H115 TO H625

NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

- † 4 required for H515 and H525; 6 required for H615, H625, H715 and H725.
- ‡ Approximate ratio of H115, H215, H315, H415, H515, H615 and H715.
- † Approximate ratio of H125, H225, H325, H425, H525, H625 and H725.
- ◆ Price on application.
- ◆ includes bushing for H715 and H725.
- ◆ H415 requires one part 244455 (\$32.00 list); H425 requires one part 244454 (\$28.00 list).
- ◆ H615 requires one part 246455 (\$35.00 list); H625 requires one part 246454 (\$32.00 list).



H715 & H725

Before ordering see page 4.

Prices are for one piece only.

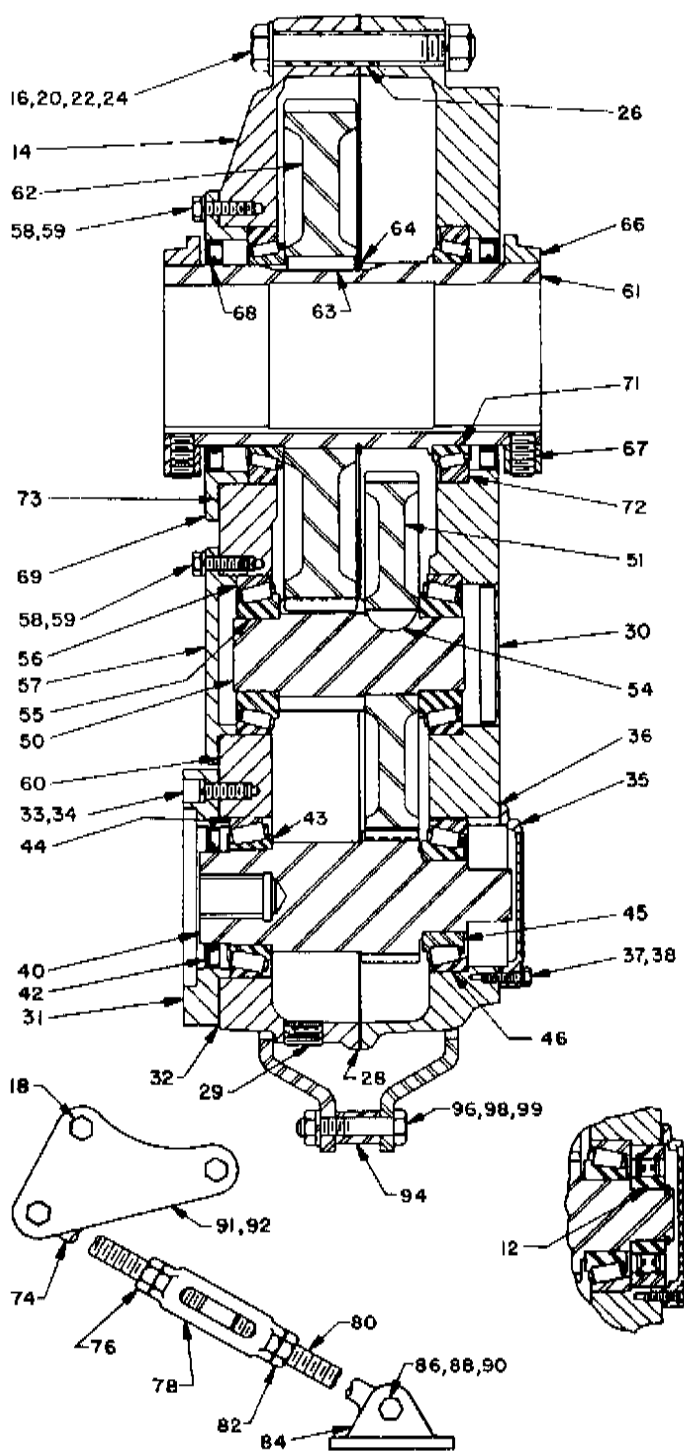
Price List L608

Reference	Name of Part	No. Req'd.	H115 & H125 Reducers	H215 & H225 Reducers	H315 & H325 Reducers	H415 & H425 Reducers	H515 & H525 Reducers	H615 & H625 Reducers	H715 & H725 Reducers
			Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
12	Backstop Assembly	1	24101	24201	24301	24402	24501	24602	24702
14	HOUSING ASSEMBLY *	1	390421	390422	390423	390424	390425	390426	390427
16	Air Vent *	1	241207	241208	241209	241210	241211	241212	241213
18	Lockwasher Bolt *	2	411416	411417	411418	411419	411420	411421	411422
20	Lockwasher—Housing Bolt *	2	411420	411421	411422	411423	411424	411425	411426
22	Hex Nut	3	419011	419012	419013	419014	419015	419016	419017
24	Pin Washer	2	407387	407388	407389	407390	407391	407392	407393
26	Dowel Pin	2	419092	419093	419094	419095	419096	419097	419098
28	Housing Gasket	2	420099	420100	420101	420102	420103	420104	420105
30	Flare Plug	2	241019	241020	241021	241022	241023	241024	241025
32	Monopole Plug	1	430010	430011	430012	430013	430014	430015	430016
34	Countershaft Bearing Cover	1	430017	430018	430019	430020	430021	430022	430023
36	Backstop Cover Screw	1	241224	241225	241226	241227	241228	241229	241230
38	Lockwasher	1	415022	415023	415024	415025	415026	415027	415028
40	Backstop Cover Gasket	1	241231	241232	241233	241234	241235	241236	241237
42	Input Shaft—For 15 to 1 Ratio *	1	241453	241454	241455	241456	241457	241458	241459
44	Input Shaft—For 25 to 1 Ratio *	1	241460	241461	241462	241463	241464	241465	241466
46	Input Shaft—For 15 to 1 Ratio *	1	241467	241468	241469	241470	241471	241472	241473
48	Input Shaft—For 25 to 1 Ratio *	1	241474	241475	241476	241477	241478	241479	241480
50	Countershaft with Pinion	1	390278	390279	390280	390281	390282	390283	390284
52	First Reducer—For 15 to 1 Ratio *	1	390285	390286	390287	390288	390289	390290	390291
54	Key	1	241218	241219	241220	241221	241222	241223	241224
56	Countershaft Bearing	2	390278	390279	390280	390281	390282	390283	390284
58	OUTPUT HUB ASSEMBLY *	1	390285	390286	390287	390288	390289	390290	390291
60	Output Hub	1	241208	241209	241210	241211	241212	241213	241214
62	Output Gear	1	241217	241218	241219	241220	241221	241222	241223
64	Key	1	241217	241218	241219	241220	241221	241222	241223
66	Output Hub Snap Ring	2	421013	421014	421015	421016	421017	421018	421019
68	Output Hub Collar with Screws	2	241239	241240	241241	241242	241243	241244	241245
70	Output Hub Collar Screw	4	400362	400363	400364	400365	400366	400367	400368
72	Output Hub Seal	2	241202	241203	241204	241205	241206	241207	241208
74	Output Hub Bearing	2	390279	390280	390281	390282	390283	390284	390285
76	TORQUE ARM ASSEMBLY *	1	241037	241038	241039	241040	241041	241042	241043
78	Red End	1	241245	241246	241247	241248	241249	241250	241251
80	Flex Nut	1	407093	407094	407095	407096	407097	407098	407099
82	Turnbuckle	1	241245	241246	241247	241248	241249	241250	241251
84	Extension	1	241247	241248	241249	241250	241251	241252	241253
86	L.H. Hex Nut	1	407242	407243	407244	407245	407246	407247	407248
88	Fulcrum	1	241249	241250	241251	241252	241253	241254	241255
90	Flex Nut	1	407091	407092	407093	407094	407095	407096	407097
92	Lockwasher	1	407091	407092	407093	407094	407095	407096	407097
94	L.H. Adapter Plate	1	241241	241242	241243	241244	241245	241246	241247
96	R.H. Adapter Plate	1	241241	241242	241243	241244	241245	241246	241247
98	Adapter Bushing	1	241243	241244	241245	241246	241247	241248	241249
100	Adapter Bolt	1	411432	411433	411434	411435	411436	411437	411438
102	Lockwasher	1	419011	419012	419013	419014	419015	419016	419017
104	Hex Nut	1	407087	407088	407089	407090	407091	407092	407093
106	Motor Adapter Gasket	1	241434	241435	241436	241437	241438	241439	241440
108	Motor Adapter Gasket	1	417081	417082	417083	417084	417085	417086	417087
110	Carrier Cap Screw	6	419045	419046	419047	419048	419049	419050	419051
112	Lockwasher	1	419045	419046	419047	419048	419049	419050	419051
114	Carrier Gasket	1	419045	419046	419047	419048	419049	419050	419051
116	Backstop Carrier	1	247222	247223	247224	247225	247226	247227	247228
118	Carrier Cap Screw	6	411438	411439	411440	411441	411442	411443	411444
120	Lockwasher	1	419011	419012	419013	419014	419015	419016	419017
122	Carrier Gasket	1	247223	247224	247225	247226	247227	247228	247229

Parts for Nos. H615A and H625A Hydroil Reducers
List Price L746

Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	Backstop Assembly	1	246092	\$182.00
14	HOUSING ASSEMBLY ★	1	390476	300.00
14	▲ Air Vent with Bushing	1	245237	2.00
16	▲ Housing Bolt	6	411466	1.20
18	▲ Adapter—Housing Bolt	2	411468	1.20
20	▲ Lockwasher	8	419013	.10
22	▲ Plain Washer	2	419096	.20
24	▲ Hex Nut	8	407091	.10
26	▲ Dowel Pin	2	420112	1.60
28	▲ Housing Gasket	1	246219	3.00
28	▲ Pipe Plug	2	430033	1.00
29	▲ Magnetic Plug	1	430062	1.20
30	▲ Countershaft Bearing Cover — Backstop Side	1	244224	.80
31	Motor Adapter {for 15:1 Ratio ■ {for 25:1 Ratio I	1	246464	35.00
32	Input Shaft Bearing Shim Pack	1 Set †	390474	3.60
	.002" Thick	†	427675	.40
	.005" Thick	†	427676	.60
	.010" Thick	†	427677	1.00
	.025" Thick	†	427678	1.60
33	Adapter Screw	6	411408	.20
34	Lockwasher	6	419011	.10
35	Backstop Cover	1	246221	6.00
36	Backstop Cover Gasket	1	246220	1.20
37	Cover Screw	6	411404	.20
38	Lockwasher	6	419009	.05
40	Input Shaft {for 15 to 1 Ratio ■ with Pinion {for 25 to 1 Ratio I	1	246463	136.00
42	Input Shaft Seal	1	246462	134.00
43	Input Shaft Bearing Cone—Input End	1	242202	8.20
44	Input Shaft Bearing Cup —Input End	1	390445	⊠
45	Input Shaft Brg. Cone—Backstop End	1	390687	⊠
46	Input Shaft Brg. Cup —Backstop End	1	390446	⊠
		1	390687	⊠
	COUNTERSHAFT {for 15 to 1 Ratio ■ ASSEMBLY ★ {for 25 to 1 Ratio I	1	390477	178.20
50	▲ Countershaft with Pinion	1	390479	181.20
51	▲ First Reduction {for 15 to 1 Ratio ■ Gear {for 25 to 1 Ratio I	1	246306	80.00
		1	246008	97.80
54	▲ Key	1	246005	100.80
		1	245218	.40
55	Countershaft Bearing Cone	2	390447	⊠
56	Countershaft Bearing Cup	2	390377	⊠
57	Countershaft Brg. Cover—Input Side	1	246378	10.00
58	Cover Screw	6	411408	.20
59	Lockwasher	6	419011	.10
60	Countershaft Bearing Shim Pack	1 Set †	390480	3.80
	.002" Thick	†	427679	.50
	.005" Thick	†	427680	.70
	.010" Thick	†	427681	1.10
	.025" Thick	†	427682	1.50
61	OUTPUT HUB ASSEMBLY ★	1	390478	259.80
62	▲ Output Hub	1	246308	80.00
63	▲ Output Gear	1	246007	176.80
64	▲ Key	1	245217	1.20
	▲ Snap Ring	1	421033	1.80
66	Output Hub Collar with Screws	2	246309	14.40
67	Collar Screw	4	400154	.50
68	Output Hub Seal	2	246302	18.20
69	Output Hub Seal Carrier	1	246310	20.00
71	Output Hub Bearing Cone	2	390448	⊠
72	Output Hub Bearing Cup	2	390449	⊠
73	Output Hub Bearing Shim Pack	1 Set †	390491	5.00
	.002" Thick	†	427683	.80
	.005" Thick	†	427684	1.00
	.010" Thick	†	427685	1.40
	.025" Thick	†	427686	1.80
74	TORQUE ARM ASSEMBLY ★	1	245097	32.00
76	▲ Rod End	1	245245	8.60
76	▲ Hex Nut	1	407097	.40
78	▲ Turnbuckle	1	245246	9.40
80	▲ Extension	1	245247	9.00
82	▲ L. H. Hex Nut	1	407246	.60
84	▲ Fulcrum	1	246249	4.20
86	▲ Fulcrum Bolt	1	411484	.60
90	▲ Hex Nut	1	407093	.20
91	L. H. Adapter Plate	1	246241	6.20
92	R. H. Adapter Plate	1	246242	6.20
94	Adapter Bushing	1	245243	2.00
96	Adapter Bolt	1	411460	.70
98	Lockwasher	1	419013	.10
99	Hex Nut	1	407091	.10

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.



★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two pieces housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

▲ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

† See last paragraph under "ORDERING PARTS" on reverse side.

⊠ Price on application.

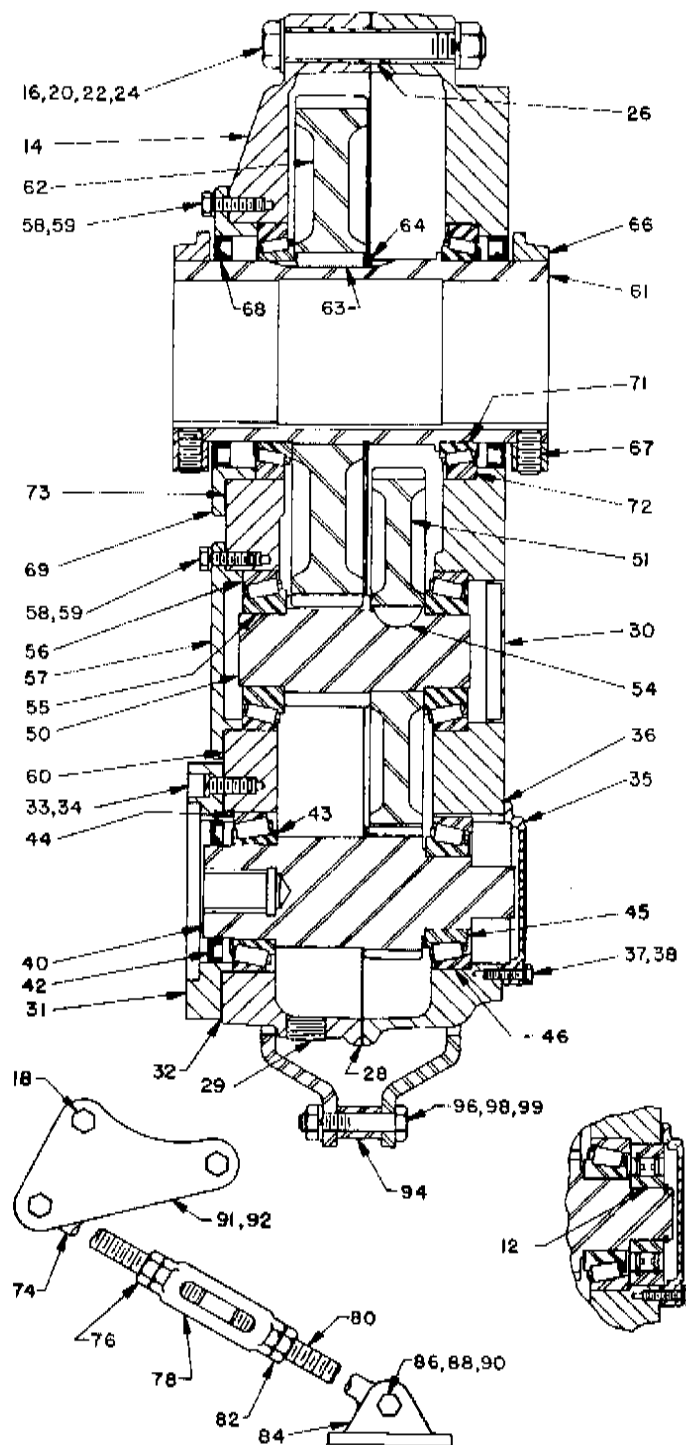
■ Approximate ratio of HD615A reducer.

I Approximate ratio of HD625A reducer.

Parts for Nos. H715A and H725A Hydroil Reducers
List Price L674

Reference	Name of Part	No. Req'd	Part No.	Price Each
12	Backstop Assembly	1	247092	\$224.00
14	HOUSING ASSEMBLY ★	1	390436	420.00
14	▲ Air Vent with Bushing	1	390061	2.80
16	▲ Housing Bolt	6	411498	2.00
18	▲ Adapter — Housing Bolt	2	411499	3.40
20	▲ Lockwasher	8	419016	.10
22	▲ Plain Washer	2	419082	.10
24	▲ Hex Nut	8	407095	.30
26	▲ Dowel Pin	2	420128	1.80
28	▲ Housing Gasket	1	247219	5.00
28	▲ Pipe Plug	2	430035	1.60
29	▲ Magnetic Plug	1	430064	2.00
30	▲ Countershaft Bearing Cover — Backstop Side	1	246224	1.20
31	Motor Adapter	1	247464	36.00
32	Input Shaft Bearing Shim Pack	1 Set †	390420	4.00
	.002" Thick (Red)	†	427578	.50
	.005" Thick (Blue)	†	427584	.70
	.010" Thick (Brown)	†	427604	1.10
	.025" Thick (White)	†	427618	1.70
33	Adapter Screw	6	417141	.50
34	Lockwasher	6	419048	.20
35	Backstop Cover	1	247221	6.40
36	Backstop Cover Gasket	1	246220	1.20
37	Cover Screw	6	411402	.20
38	Lockwasher	6	419009	.05
40	Input Shaft (for 15 to 1 Ratio ■)	1	247463	165.00
	with Pinion (for 25 to 1 Ratio ‡)	1	247462	162.00
42	Input Shaft Seal	1	242210	8.20
43	Input Shaft Bearing Cone — Input End	1	390375	⊗
44	Input Shaft Bearing Cup — Input End	1	390333	⊗
45	Input Shaft Brg. Cone — Backstop End	1	390437	⊗
46	Input Shaft Brg. Cup — Backstop End	1	390438	⊗
	COUNTERSHAFT (for 15 to 1 Ratio ■)	1	390428	247.00
	ASSEMBLY ★ (for 25 to 1 Ratio ‡)	1	390430	250.00
50	▲ Countershaft with Pinion	1	247372	106.00
51	▲ First Reduction Gear (for 15 to 1 Ratio ■)	1	247008	140.40
	(for 25 to 1 Ratio ‡)	1	247005	143.40
54	▲ Key	1	247218	.60
55	Countershaft Bearing Cone	2	390450	⊗
56	Countershaft Bearing Cup	2	390687	⊗
57	Countershaft Brg. Cover — Input Side	1	247374	14.00
58	Cover and Carrier Screw	14	411433	.30
59	Lockwasher	14	419012	.10
60	Countershaft Bearing Shim Pack	1 Set †	390429	4.20
	.002" Thick (Red)	†	427690	.60
	.005" Thick (Blue)	†	427691	.80
	.010" Thick (Brown)	†	427692	1.20
	.025" Thick (White)	†	427693	1.60
	OUTPUT HUB ASSEMBLY ★	1	390388	342.00
61	▲ Output Hub	1	247308	106.00
62	▲ Output Gear	1	247007	232.80
63	▲ Key	1	245217	1.20
64	▲ Snap Ring	1	421038	2.00
66	Output Hub Collar with Screws	2	247309	17.00
67	Collar Screw	4	400190	.60
68	Output Hub Seal	2	247310	20.00
69	Output Hub Seal Carrier	1	247314	28.00
71	Output Hub Bearing Cone	2	390439	⊗
72	Output Hub Bearing Cup	2	390440	⊗
73	Output Hub Bearing Shim Pack	1 Set †	390444	5.60
	.002" Thick (Red)	†	427525	.90
	.005" Thick (Blue)	†	427527	1.10
	.010" Thick (Brown)	†	427528	1.60
	.025" Thick (White)	†	427558	2.00
	TORQUE ARM ASSEMBLY ★	1	247098	42.40
74	▲ Rod End	1	247239	11.20
76	▲ Hex Nut	1	407099	.60
78	▲ Turnbuckle	1	247246	10.00
80	▲ Extension	1	247240	10.00
82	▲ L. H. Hex Nut	1	407248	.80
84	▲ Fulcrum	1	247248	8.00
86	▲ Fulcrum Bolt	1	411489	1.50
88	▲ Lockwasher	1	419014	.10
90	▲ Hex Nut	1	407093	.20
91	L. H. Adapter Plate	1	247241	7.00
92	R. H. Adapter Plate	1	247242	7.00
94	Adapter Bushing	1	247244	3.00
96	Adapter Bolt	1	411485	.90
98	Lockwasher	1	419014	.10
99	Hex Nut	1	407093	.20

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.



★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two piece housing.

⬇ Not shown on drawing.

† One set consists of one each of the shims listed immediately below marked with a dagger.

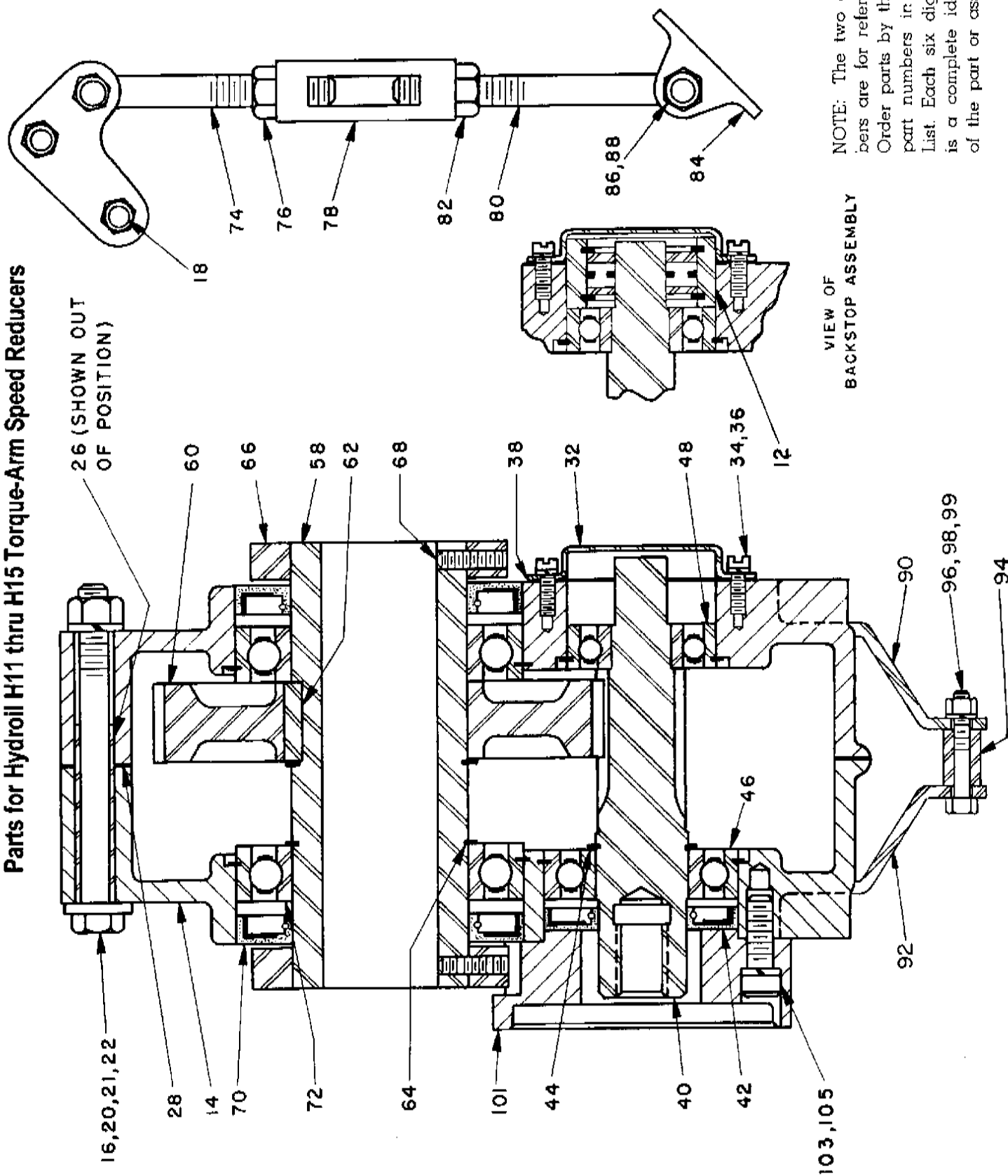
‡ See last paragraph under "ORDERING PARTS" on reverse side.

⊗ Price on application.

■ Approximate ratio of H715A reducer.

‡ Approximate ratio of H725A reducer.

Parts for Hydroil H11 thru H15 Torque-Arm Speed Reducers



VIEW OF
BACKSTOP ASSEMBLY

NOTE: The two digit numbers are for reference only. Order parts by the six digit part numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for Dodge Hydroil Single Reduction Torque-Arm Speed Reducers

Before ordering see page 4.

Prices are for one piece only.

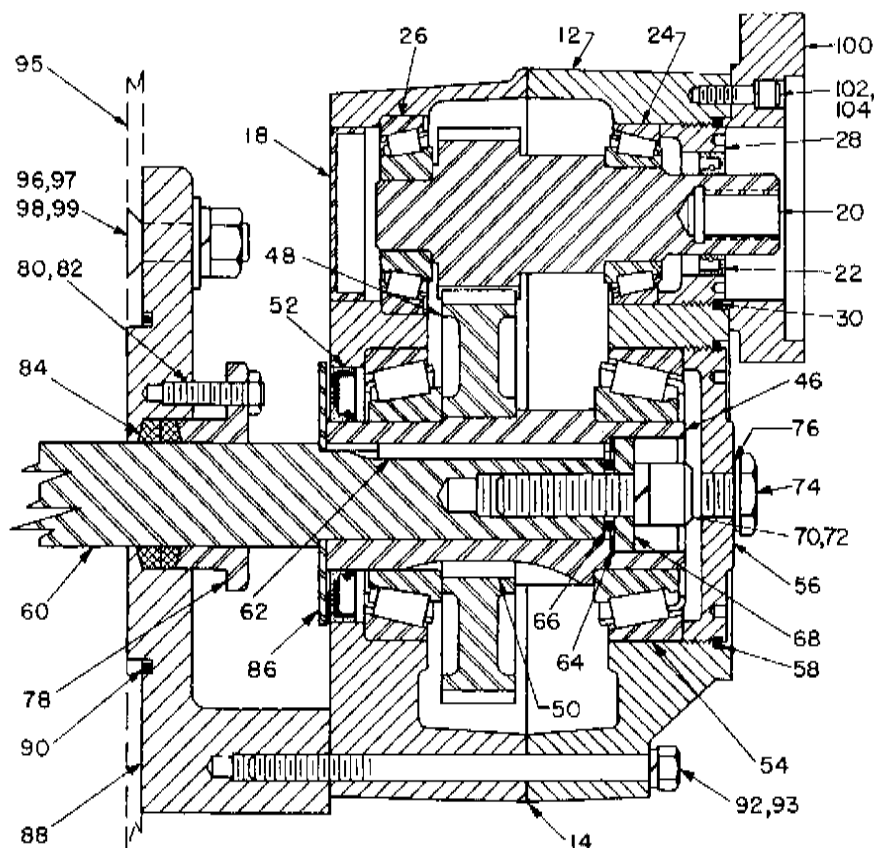
Price List L609

Refer- ence	Name of Part	No. H11 Reducer		No. H12 Reducer		No. H13 Reducer		No. P14 Reducer		No. H15 Reducer	
		No. Req'd	Part No.	No. Req'd	Part No.	No. Req'd	Part No.	No. Req'd	Part No.	No. Req'd	Part No.
12	Backstop Assembly	1	24201	1	2521C1	1	252101	1	254101	1	255101
14	HOUSING ASSEMBLY ★	1	390431	1	390432	1	390433	1	390434	1	390435
15	▲ Air Vent	1	241237	1	241237	1	241237	1	241237	1	241237
16	▲ Housing Bolt	1	411418	1	411418	1	411440	1	411442	1	411466
18	▲ Torque Arm—Housing Bolt	1	411422	1	411422	1	411442	1	411444	1	411468
20	▲ Adapter—Housing Bolt	2	411422	2	411422	2	411442	2	411444	2	411468
21	▲ Lockwasher	1	419011	1	419011	1	419012	1	419012	1	419013
22	▲ Plain Washer	2	419032	2	419032	2	419034	2	419034	2	419036
23	▲ Hex Nut	1	407087	1	407087	1	407089	1	407089	1	407091
24	▲ Torque Arm Bushing	1	251035	1	251035	1	251035	1	251035	1	251035
25	▲ Dowel Pin	2	420089	2	420089	2	420089	2	420089	2	420089
26	▲ Housing Gasket	1	241219	1	241219	1	241219	1	241219	1	241219
27	▲ Pipe Plug	2	430031	2	430031	2	430031	2	430031	2	430031
28	▲ Magnetic Plug	1	430060	1	430060	1	430060	1	430060	1	430062
32	▲ Backstop Cover	1	242221	1	242221	1	242221	1	242221	1	242221
34	▲ Backstop Cover: Screw	4	415022	4	415022	4	415022	4	415022	4	415022
36	▲ Lockwasher	4	415022	4	415022	4	415022	4	415022	4	415022
38	▲ Backstop Cover Gasket	1	242220	1	242220	1	242220	1	242220	1	242220
40	Input Shaft with Pinion	1	251059	1	251059	1	251059	1	251059	1	251059
42	Input Shaft Seal	1	242457	1	242457	1	242457	1	242457	1	242457
44	Input Shaft Snap Ring	1	421002	1	421002	1	421002	1	421002	1	421002
46	Input Shaft Bearing—Input End	1	390282	1	390282	1	390282	1	390282	1	390282
48	Input Shaft Bearing—Backstop End	1	390277	1	390277	1	390277	1	390277	1	390277
58	OUTPUT HUB ASSEMBLY ★	1	390151	1	390151	1	390151	1	390151	1	390151
60	▲ Output Hub	1	241238	1	241238	1	241238	1	241238	1	241238
62	▲ Gear	1	241237	1	241237	1	241237	1	241237	1	241237
64	▲ Key	1	241217	1	241217	1	241217	1	241217	1	241217
66	▲ Snap Ring	2	421013	2	421013	2	421013	2	421013	2	421013
68	Output Hub Collar with Screws	2	241239	2	241239	2	241239	2	241239	2	241239
70	Collar Screw	4	402062	4	402062	4	402062	4	402062	4	402062
72	Output Hub Seal	2	241202	2	241202	2	241202	2	241202	2	241202
74	Output Hub Bearing	2	390279	2	390279	2	390279	2	390279	2	390279
76	TORQUE ARM ASSEMBLY ★	1	241037	1	241037	1	241037	1	241037	1	241037
78	▲ Rod End	1	241245	1	241245	1	241245	1	241245	1	241245
80	▲ Hex Nut	1	407093	1	407093	1	407093	1	407093	1	407093
82	▲ Turnbuckle	1	241246	1	241246	1	241246	1	241246	1	241246
84	▲ Extension	1	241247	1	241247	1	241247	1	241247	1	241247
86	▲ L.H. Hex Nut	1	407242	1	407242	1	407242	1	407242	1	407242
88	▲ Fulcrum Bolt	1	241249	1	241249	1	241249	1	241249	1	241249
90	▲ Hex Nut	1	411456	1	411456	1	411456	1	411456	1	411456
92	Adapter Plate — R.H.	1	241242	1	241242	1	241242	1	241242	1	241242
94	Adapter Plate — L.H.	1	241241	1	241241	1	241241	1	241241	1	241241
96	Adapter Bushing	1	242243	1	242243	1	242243	1	242243	1	242243
98	Adapter Bolt	1	411412	1	411412	1	411412	1	411412	1	411412
100	Lockwasher	1	419011	1	419011	1	419011	1	419011	1	419011
102	Hex Nut	1	437087	1	437087	1	437087	1	437087	1	437087
104	Motor Adapter	1	242454	1	242454	1	242454	1	242454	1	242454
106	Adapter Screw	6	417081	6	417081	6	417081	6	417081	6	417081
108	Lockwasher	1	419046	1	419046	1	419046	1	419046	1	419046

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.
▲ The parts marked "▲" make up the assemblies under which they are listed.
Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.
▲ Five required on Nos. H11 and H12; six on Nos. H13, H14 and H15.
▲ Six required on No. H11; seven on No. H12; eight on Nos. H13, H14 and H15.
▲ Price on application.

50620



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for HS203 Screw Conveyor Drive

Price List L726

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390458	\$124.00	62	Output Shaft Key	1	443021	\$ 3.00
▲	Air Vent	1	241237	1.00	64	Output Shaft Washer Gasket	1	352051	.50
▲	Housing Bolt	3	411420	.80	66	Output Shaft "O" Ring Gasket	1	418110	.60
▲	Lockwasher	3	419011	.10	68	Output Shaft Retaining Washer	1	352056	2.00
▲	Hex Nut	3	407087	.10	70	Output Shaft Screw	1	417318	2.00
▲	Dowel Pin	2	420089	1.00	72	Lockwasher	1	419014	.10
14	Housing Gasket	1	242219	1.40	74	Cover Plug	1	352055	1.20
▲	Pipe Plug	4	430031	.80	76	Cover Plug Gasket	1	427660	.60
▲	Magnetic Plug	1	430060	1.00	78	Packing Retainer	1	352062	3.20
▲	Countershaft Bearing Adj. Nut	1	352063	5.00	80	Stud Bolt	2	400404	.50
▲	Countershaft Adj. Nut "O" Ring	1	418007	1.40	82	Hex Jam Nut	2	407202	.10
▲	Adjusting Nut Lockscrew	1	400424	.20	84	Packing	2	427665	.80
▲	Countershaft Bearing Cover	1	242224	.70	86	Flinger	1	352074	1.00
18	Input Shaft Bearing Cover	1	243224	.80	▲	Sight Level Oil Gage	1	430120	3.00
20	Input Shaft with Pinion	1	362260	100.00	88	Adapter {for 6" Screw Diam.	1	352201	50.00
22	Input Shaft Seal	1	352270	4.80	90	Adapter {for 8" Screw Diam.	1	352068	42.00
24	Input Shaft Bearing— { Cone	1	390457	②	▲	Gasket {for 8" Screw Diam.	1	418114	3.00
▲	Input End { Cup	1	390363	②	▲	Gasket {for 9", 10" or 12" Screw Diam.	1	418115	3.20
26	Input Shaft Bearing— { Cone	1	390364	②	92	Adapter {Long	2	411426	.90
▲	Closed End { Cup	1	390363	②	▲	Bolt {Short	2	411424	.90
▲	Input Bearing Spacer	1	352059	3.20	93	Lockwasher	4	419011	.10
28	Input Bearing Adjusting Nut	1	352265	7.20	▲	Plain Washer	2	419092	.20
30	Input Adjusting Nut "O" Ring	1	418009	1.40	▲	Adapter Dowel Pin	2	420084	1.00
▲	Adjusting Nut Lockscrew	2	400424	.20	95	Trough End { 6"	1	352182	18.00
	OUTPUT HUB ASSEMBLY *	1	390217	83.00	▲	9"	1	352181	22.00
46	Output Hub	1	352008	37.20	▲	10"	1	352184	24.00
48	Gear	1	352107	45.20	▲	12"	1	352185	26.00
50	Key	1	352017	.60	96	Trough End Screw	3	415036	1.00
52	Output Seal	1	352010	10.00	97	Lockwasher	3	419014	.10
54	Output Hub { Cone	2	390367	②	98	Plain Washer	3	419081	.10
▲	Bearing { Cup	2	390368	②	99	Hex Nut	3	407093	.20
56	Output Bearing Adjusting Nut	1	352061	7.40	100	Motor Adapter	1	352255	40.00
58	Output Bearing Adj. Nut "O" Ring	1	418020	1.80	102	Adapter Screw	6	417081	.20
▲	1 1/2" Diameter	1	352071	22.00	104	Lockwasher	6	419046	.10
60	Output Shaft { 2" Diameter	1	352095	22.00					
▲	2 1/2" Diameter	1	352096	22.00					
▲	3" Diameter	1	352097	47.00					

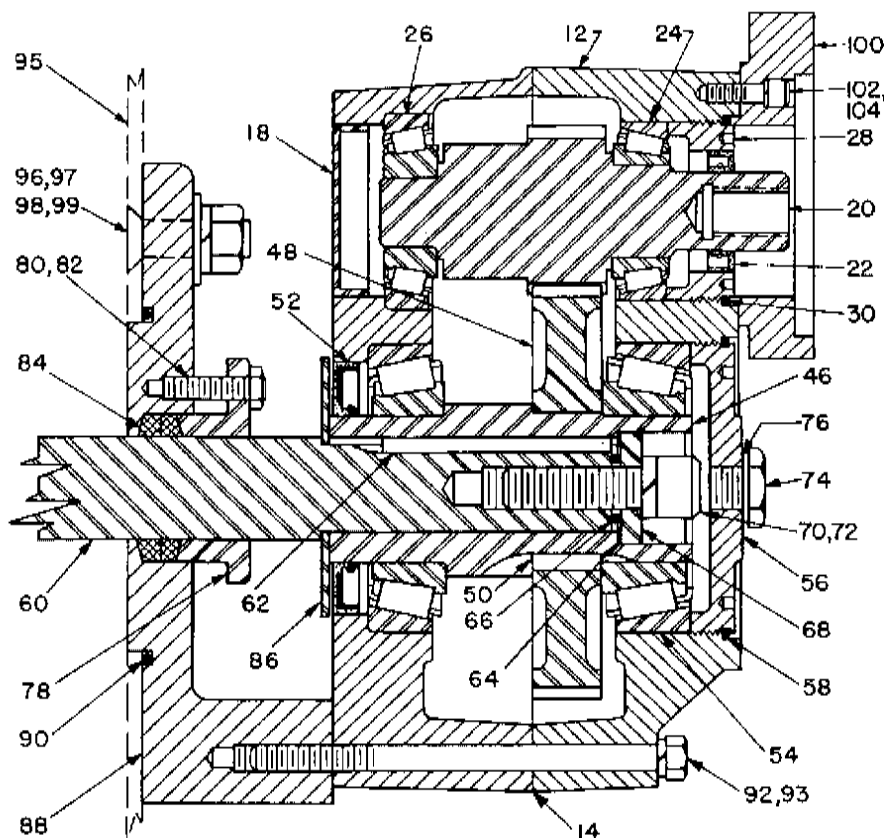
* Includes parts listed immediately below "*". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.

② Price on application.

1/2" Hex key required for removal or replacement.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

Parts for HS303 Screw Conveyor Drive

Price List L727

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390459	\$140.00	62	Output Shaft Key	1	443072	\$ 3.40
▲	▲ Air Vent	1	241237	1.00	64	Output Shaft Washer Gasket	1	353051	.60
▲	▲ Housing Bolt	4	411442	1.00	66	Output Shaft "O" Ring Gasket	1	418111	.80
▲	▲ Lockwasher	4	419012	.10	68	Output Shaft Retaining Washer	1	353056	3.20
▲	▲ Hex Nut	4	407089	.10	70	Output Shaft Screw	1	417321	2.60
▲	▲ Dowel Pin	2	420104	1.20	72	Lockwasher	1	419016	.10
14	▲ Housing Gasket	1	233219	1.60	74	Cover Plug	1	353055	1.20
▲	▲ Pipe Plug	4	430031	.80	76	Cover Plug Gasket	1	427662	.80
▲	▲ Magnetic Plug	1	430060	1.00	78	Packing Retainer	1	353062	3.60
▲	▲ Countershaft Bearing Adj. Nut	1	353063	6.00	80	Stud Bolt	2	400404	.50
▲	▲ Countershaft Adj. Nut "O" Ring	1	418009	1.40	82	Hex Jam Nut	2	407202	.10
▲	▲ Adjusting Nut Lockscrew	1	400424	.20	84	Packing	2	427666	1.00
▲	▲ Countershaft Bearing Cover	1	243224	.80	86	Flinger	1	353074	1.30
18	▲ Input Shaft Bearing Cover	1	243224	.80	▲	Sight Level Oil Gage	1	430120	3.00
20	Input Shaft with Pinion	1	363260	140.00	88	Adapter for 9", 10" or 12" Screw Diam.	1	353068	42.00
22	Input Shaft Seal	1	353011	6.00	90	Adapter Gasket for 9", 10" or 12" Screw Diam.	1	418115	3.20
24	Input Shaft Bearing— { Cone	1	390369	⊠	92	Adapter Bolt	4	411450	1.40
▲	Input End { Cup	1	390370	⊠	93	Lockwasher	4	419012	.10
26	Input Shaft Bearing { Cone	1	390371	⊠	▲	Plain Washer	2	419094	.20
▲	Closed End { Cup	1	390372	⊠	▲	Adapter Dowel Pin	2	420096	1.20
28	Input Bearing Adjusting Nut	1	353265	7.80	95	Trough End { 9"	1	352181	22.00
30	Input Adjusting Nut "O" Ring	1	418010	1.40	▲	10"	1	352184	24.00
▲	Adjusting Nut Lockscrew	2	400424	.20	▲	12"	1	352185	26.00
48	OUTPUT HUB ASSEMBLY *	1	390218	119.60	▲	14"	1	353191	28.00
▲	▲ Output Hub	1	353008	53.00	96	Trough End Screw	3	415036	1.00
48	▲ Gear	1	353107	64.00	97	Lockwasher	3	419014	.10
50	▲ Key	1	390233	2.60	98	Plain Washer	3	419081	.10
52	Output Seal	1	242210	8.20	99	Hex Nut	3	407093	.20
54	Output Hub { Cone	2	390375	⊠	100	Motor Adapter	1	353255	48.00
▲	Bearing { Cup	2	390333	⊠	102	Adapter Screw	6	417108	.40
56	Output Bearing Adjusting Nut	1	353061	9.00	104	Lockwasher	6	419047	.20
58	Output Bearing Adj. Nut "O" Ring	1	418022	2.00					
60	Output Shaft { 1½" Diameter	1	353096	30.00					
▲	2" Diameter	1	353071	30.00					
▲	2½" Diameter	1	353085	30.00					
▲	3" Diameter	1	353097	30.00					

* Includes parts listed immediately below "▲". Housing Assembly also includes two-piece housing.

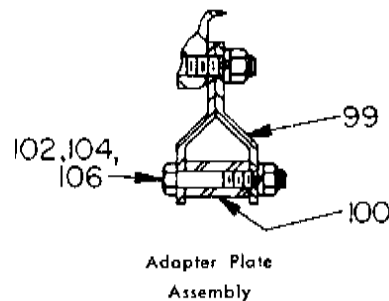
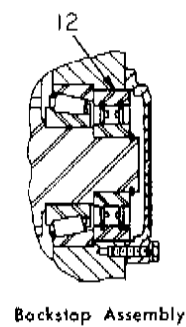
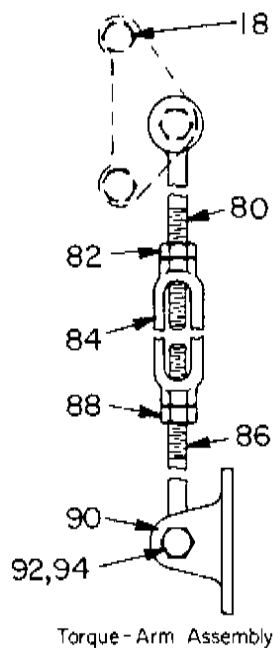
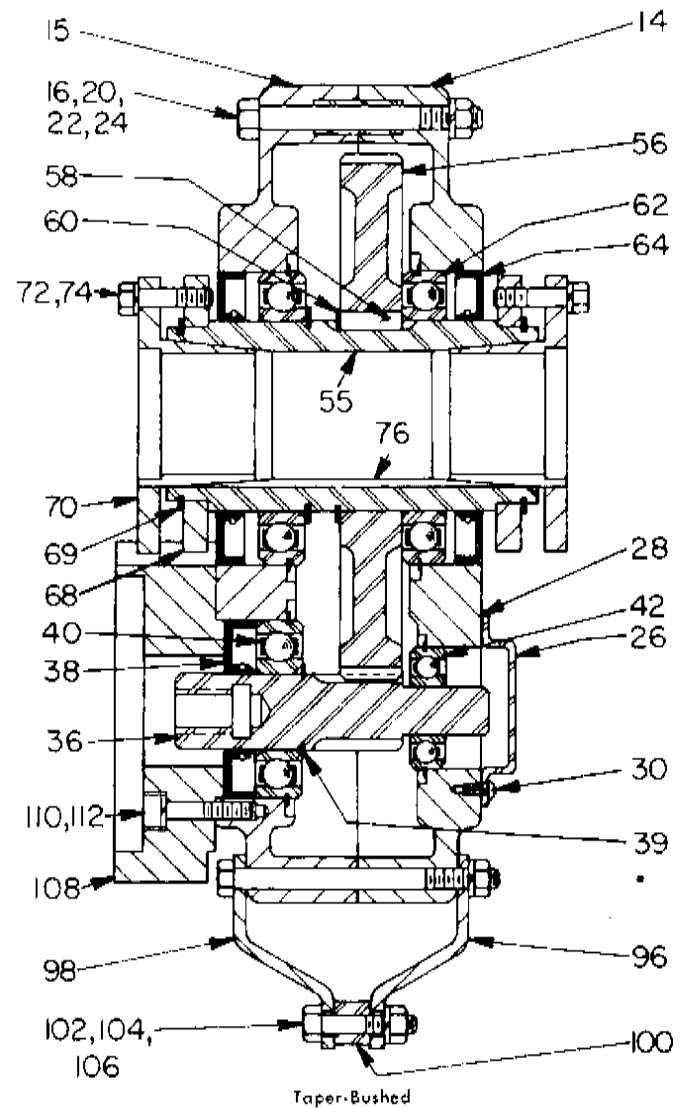
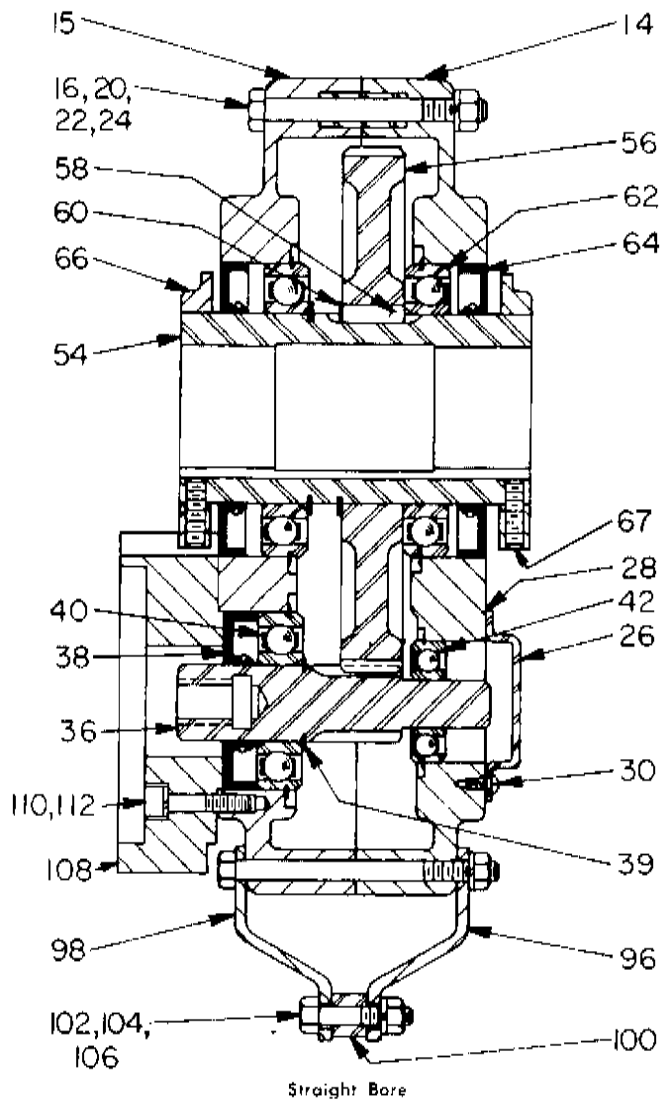
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.

⊠ Price on application.

■ ½" Hex key required for removal or replacement.

PARTS FOR HT11 thru HT15 STRAIGHT BORE & TAPER BUSHED HYDROLI SPEED REDUCERS



Note: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.

Reference	Name of Part	No. Req'd.	HT11 Part No.	HT12 Part No.	HT13 Part No.	HT14 Part No.	HT15 Part No.
12	Backstop Assembly	1	242101	252101	252101	254101	246101
	HOUSING ASSEMBLY *	1	390893	390432	390894	390895	390896
14	▲ Right Housing Half	1	.....	252085	253085	254075	.....
15	▲ Left Housing Half	1	.....	252089	253089	254079	.....
▲	Air Vent	1	241237	241237	241237	241237	245237
16	▲ Housing Bolt	†	411418	411418	411440	411442	411466
18	▲ Adapter — Housing Bolt	2	411420	411420	411442	411444	411468
↓	▲ Washer	2	419092	.....	.....	.....	419096
20	▲ Lockwasher	‡	419011	419011	419012	419012	419013
22	▲ Hex Nut	‡	407087	407087	407089	407089	407091
24	▲ Dowel Pin	2	420089	420089	420103	420103	420112
▲	Pipe Plug	2	430031	430031	430031	430031	430033
↓	▲ Magnetic Plug	1	430060	430060	430060	430060	430062
26	▲ Backstop Cover	1	242221	243221	253021	254021	255019
28	▲ Backstop Cover Gasket	1	242220	243220	243220	254020	255020
30	▲ Backstop Cover Screw	4	415022	415022	415022	415022	416548
↓	▲ Lockwasher	4	.....	.....	.....	.....	419009
▲	Housing Gasket ■	1	241219	242219	243219	244219	245219
36*	Input Shaft with Pinion	1	251086	252077	253019	254086	255147
38*	Input Shaft Seal	1	251089	252063	253063	254063	255063
39*	Input Shaft Snap Ring	1	421002	421007	421010	421011	421120
40*	Input Shaft Brg. (Input)	1	390674	390293	390290	390298	390303
42*	Input Shaft Brg. (Backstop)	1	391751	390288	390288	390295	390302
	OUTPUT HUB ASSEMBLY *						
	Straight Bore	1	390151	390152	390980	390154	390985
54*	Taper Bushed Output Hub (Str. Bore)	1	390878	390679	390897	390899	390925
55*	▲ Output Hub (Taper Bush.)	1	241208	242208	243338	244208	245338
56*	▲ Output Gear	1	241265	242134	243307	244091	245113
58*	▲ Output Gear Key	1	241207	242007	253008	254008	245213
60*	▲ Output Hub Snap Ring	2	241217	272157	443276	244217	245216
↓	Output Hub Key † (Max. Bore)	1	443037	443068	443069	443102	443115
62*	Output Hub Bearing	2	390279	390284	390289	390296	390300
64*	Output Hub Seal	2	241202	242202	243202	244202	245202
66	Output Hub Collar ♦	2	241209	242209	243209	244209	245209
67	Collar Screw	4	400062	400094	400098	400150	400154
68	Bushing Back-up Plate ■	2	241266	242137	243308	244099	245114
69	Retaining Ring ■	2	421111	421112	421109	421108	421107
	BUSHING ASSEMBLY *						
	3/4" Bore	1	241272	.....	.....	.....	.....
	3/8" Bore	1	241274	.....	.....	.....	.....
	1 1/8" Bore	1	241276	242140	.....	.....	.....
	1" Bore	1	241278	242142	.....	.....	.....
	1 1/4" Bore	1	241280	242144	.....	.....	.....
	1 1/2" Bore	1	241282	242146	.....	.....	.....
	1 3/4" Bore	1	241286	242148	243278	.....	.....
	1 7/8" Bore	1	241288	242150	243280	.....	.....
	2" Bore	1	241290	242152	243282	.....	.....
	2 1/8" Bore	1	.....	242154	243284	244077	.....
	2 1/4" Bore	1	241292	242156	243286	244079	245074
	2 3/8" Bore	1	.....	242158	243288	244081	245078
	2 1/2" Bore	1	.....	242162	243294	244083	.....
	2 3/4" Bore	1	.....	242164	243298	244085	245080
	2 7/8" Bore	1	.....	242166	243296	244087	245082
	3" Bore	1	.....	.....	243270	244089	245084
	1 1/2" Bore	1	.....	242168	243272	244093	245086
	2" Bore	1	.....	.....	243274	244095	245088
	2 1/4" Bore	1	.....	.....	.....	244109	.....
	2 3/8" Bore	1	.....	.....	243276	244111	245090
	2 1/2" Bore	1	.....	.....	.....	244113	245092
	2 3/4" Bore	1	.....	.....	.....	244115	245094
	2 7/8" Bore	1	.....	.....	.....	.....	245099
	3" Bore	1	.....	.....	.....	.....	245110
	2 1/4" Bore	1	.....	.....	.....	.....	245112

Reference	Name of Part	No. Req'd.	HT11 Part No.	HT12 Part No.	HT13 Part No.	HT14 Part No.	HT15 Part No.
72	▲ Bushing Screw	6	411405	411390	411407	411408	411435
74	▲ Lockwasher	6	419010	419010	419011	419011	419012
	3/4" Bore	1	443275	.....	.....	.....	.....
	3/8" Bore	1	443275	.....	.....	.....	.....
	1 1/8" Bore	1	443274	443281	.....	.....	.....
	1" Bore	1	443274	443281	.....	.....	.....
	1 1/4" Bore	1	443274	443281	.....	.....	.....
	1 1/2" Bore	1	443271	443281	.....	.....	.....
	1 3/4" Bore	1	241308	443287	443263	.....	.....
	2" Bore	1	241307	443287	443263	.....	.....
	2 1/8" Bore	1	241306	443280	443264	.....	.....
	2 1/4" Bore	1	241310	443280	443264	443253	.....
	2 3/8" Bore	1	241305	443282	443265	443254	443204
	2 1/2" Bore	1	.....	443282	443265	443254	443204
76	▲ Key, Bushing to Shaft	1	.....	242172	443265	443254	443204
	1 1/4" Bore	1	.....	242171	443266	443254	443204
	1 1/2" Bore	1	.....	443266	443254	443254	443204
	1 3/4" Bore	1	.....	.....	443267	443255	443251
	2" Bore	1	.....	443283	443269	443255	443251
	2 1/8" Bore	1	.....	.....	443268	443255	443251
	2 1/4" Bore	1	.....	.....	.....	443258	.....
	2 3/8" Bore	1	.....	.....	443270	443259	443251
	2 1/2" Bore	1	.....	.....	.....	443260	443251
	2 3/4" Bore	1	.....	.....	.....	443261	443243
	2 7/8" Bore	1	.....	.....	.....	.....	443244
	3" Bore	1	.....	.....	.....	.....	443245
	2 1/4" Bore	1	.....	.....	.....	.....	443250
↓	▲ Key, Bushing to Output Hub	1	443272	443284	443262	443257	443202
↓	▲ Key, Bushing to Output Hub	1	443273	.....	.....	443256	.....
	TORQUE ARM ASSEMBLY *	1	241097	243097	243097	245097	245097
80	▲ Rod End	1	241245	243245	243245	245245	245245
82	▲ Hex Nut	1	407093	407095	407095	407097	407097
84	▲ Turnbuckle	1	241246	243246	243246	245246	245246
86	▲ Extension	1	241247	243247	243247	245247	245247
88	▲ L.H. Hex Nut	1	407242	407244	407244	407246	407246
90	▲ Fulcrum	1	241249	243249	243249	246249	246249
92	▲ Fulcrum Screw	1	411456	411484	411484	411484	411484
94	▲ Hex Nut	1	407091	407093	407093	407093	407093
	ADAPTER ASSEMBLY *	1	.....	.....	.....	.....	.....
96	▲ R.H. Adapter Plate	1	241242	242136	243242	244244	.....
98	▲ L.H. Adapter Plate	1	241241	242135	243241	244243	.....
99	▲ Adapter Plate Assy.	1	.....	.....	.....	.....	255096
100	▲ Adapter Bushing	1	242243	243243	243243	245243	245243
102	▲ Adapter Bolt	1	411412	411437	411437	411460	411460
104	▲ Lockwasher	1	419011	419012	419012	419013	419013
106	▲ Hex Nut	1	407087	407089	407089	407091	407091
108	Motor Adapter	1	251087	252078	253018	254087	255145
110	Adapter Screw	6	417090	417090	417111	417120	417120
112	Lockwasher	6	419046	419046	419047	419047	419047

* Includes parts listed immediately below marked "▲". HT11 and HT15 also include two-piece housing. Bushing assembly includes 2 bushings.

▲ Parts marked "▲" make up the assemblies under which they are listed.

↓ Not shown on drawing.

† 4 req'd. on HT11; 5 req'd. on HT12; 6 req'd. on HT13, HT14 & HT15.

‡ 6 req'd. on HT11; 7 req'd. on HT12; 8 req'd. on HT13, HT14 & HT15.

◆ For reducers originally supplied with gaskets only.

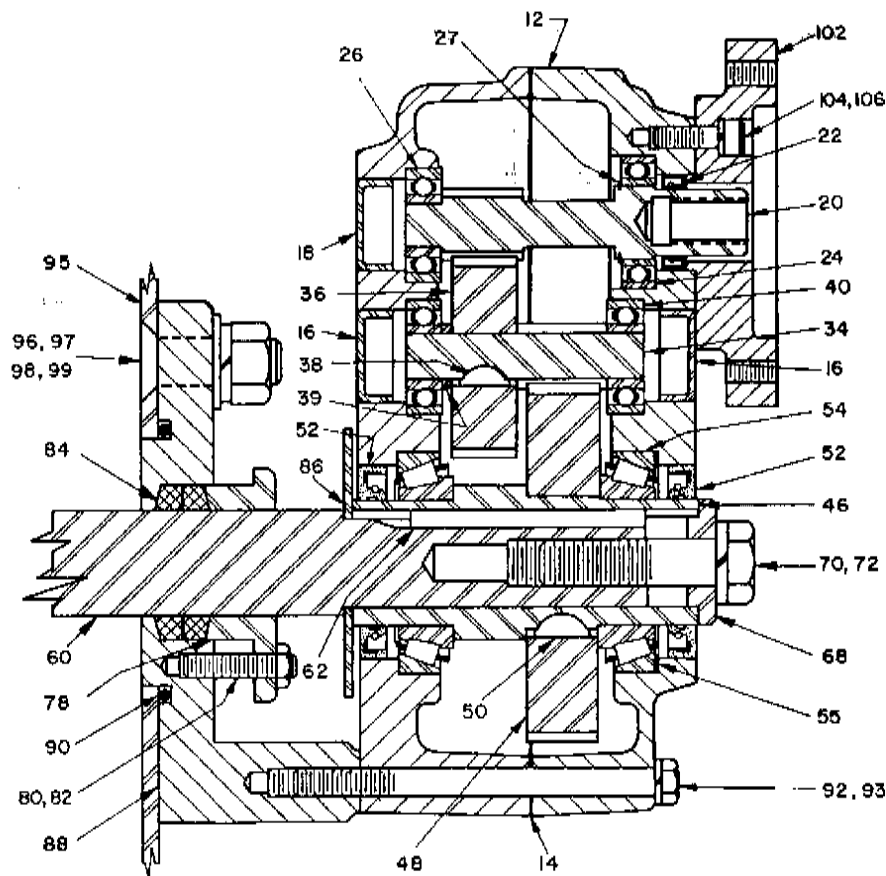
♦ Straight Bore only.

■ Taper Bushed only.

‡ On size — HT11 for 3/4" thru 1" bores; HT12 for 1/8" thru 1 1/2" bores; HT13 for 1 1/8" thru 1 3/4" bores; HT14 for 1 3/8" thru 1 7/8" bores; HT15 for 1 1/4" thru 2 1/4" bores.

‡ On size — HT11 for 1 1/8" and 1 3/8" bores; HT14 for 1 3/8" and 2" bores.

* Recommended spare parts.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

HD008 and HD018 Screw Conveyor Drives

Price List L719

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390460	\$ 50.00	60	Output Shaft { 1 1/2" Diameter 2" Diameter 2 1/2" Diameter 3" Diameter	1 1 1 1	352071 352095 352096 352097	\$ 22.00 22.00 22.00 47.00
▲	▲ Air Vent	1	241237	1.00	62	Output Shaft Key	1	443021	3.00
▲	▲ Housing Bolt	2	411418	.70	68	Output Shaft Retaining Washer	1	350056	1.40
▲	▲ Lockwasher	2	419011	.10	70	Output Shaft Screw	1	411550	2.20
▲	▲ Hex Nut	2	407087	.10	72	Lockwasher	1	419014	.10
▲	▲ Dowel Pin	2	420089	1.00	78	Packing Retainer	1	352062	3.20
14	▲ Housing Gasket	1	240219	1.00	80	Stud Bolt	2	400404	.50
▲	▲ Pipe Plug	4	430031	.80	82	Hex Jam Nut	2	407202	.10
▲	▲ Magnetic Plug	1	430060	1.00	84	Packing	2	427665	.80
16	▲ Countershaft Bearing Cover	2	240221	.40	86	Flinger	1	352074	1.00
18	▲ Input Shaft Bearing Cover	1	240221	.40	▲	Sight Level Oil Gage	1	430120	3.00
20	Input Shaft {for 8 to 1 Ratio I with Pinion {for 18 to 1 Ratio I	1 1	350253 350254	49.00 47.40	88	Adapter {for 6" Screw Diam. for 9", 10" or 12" Screw Diam.	1 1	350083 350088	28.60 24.60
22	Input Shaft Seal	1	350270	3.20	90	Adapter {for 6" Screw Diam. Gasket {for 9", 10" or 12" Screw Diam.	1 1	418114 418115	3.00 3.20
24	Input Shaft Bearing, Input End	1	390274	2.00	92	Adapter Bolt	4	411422	.80
26	Input Shaft Bearing, Closed End	1	390275	2.00	▲	Plain Washer	2	419092	.20
27	Input Shaft Snap Ring	1	421087	.80	93	Lockwasher	4	419011	.10
34	COUNTERSHAFT {for 8 to 1 Ratio I ASSEMBLY * {for 18 to 1 Ratio I	1 1	390271 390272	34.80 35.40	▲	Adapter Dowel Pin	2	420084	1.00
36	▲ Countershaft and Pinion	1	350006	14.80	95	Trough End { 6" 9" 10" 12"	1 1 1 1	352182 352181 352184 352185	18.00 22.00 24.00 26.00
38	▲ First Reduc- {for 8 to 1 Ratio I tion Gear {for 18 to 1 Ratio I	1 1	350108 350005	19.80 20.40	96	Trough End Screw	3	415036	1.00
39	▲ Key	1	443300	.20	97	Lockwasher	3	419014	.10
39	Countershaft Bearing Spacer	1	240222	.80	98	Plain Washer	3	419081	.10
40	Countershaft Bearing	2	390275	2.00	99	Hex Nut	3	407093	.20
46	OUTPUT HUB ASSEMBLY *	1	390273	42.60	102	Motor Adapter	1	350255	30.00
48	▲ Output Hub	1	350008	21.80	104	Adapter Screw	6	417081	.20
50	▲ Second Reduction Gear	1	350007	20.40	106	Lockwasher	6	419046	.10
52	▲ Key	1	443302	.40					
52	Output Hub Seal	2	240210	6.00					
54	Output Hub {Cone Bearing {Cup	2 2	390318 390319	2.00 2.00					
55	Output Bearing { .005" Thick Shim { .015" Thick	1 1	427510 427540	.25 .50					

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

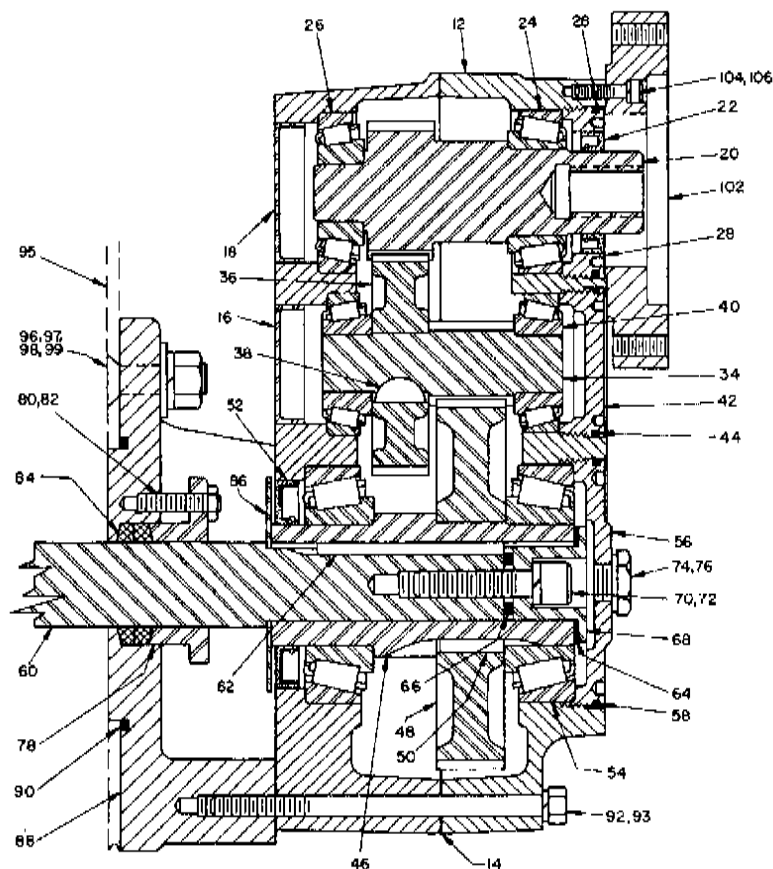
▲ Not shown on drawing.

□ Price on application.

I Approximate ratio of HD008A and HD008B drives.

X Approximate ratio of HD018A and HD018B drives.

◆ As required.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

HD108 and HD118 Hydroil Screw Conveyor Drives

Price List L720

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390461	\$ 76.00	60	Output Shaft { 1 1/2" Diameter	1	352071	\$ 22.00
▲	▲ Air Vent	1	241237	1.00		2" Diameter	1	352095	22.00
▲	▲ Housing Bolt	2	411422	.80		2 3/8" Diameter	1	352096	22.00
▲	▲ Lockwasher	2	419011	.10		3" Diameter	1	352097	47.00
▲	▲ Hex Nut	2	407087	.10	62	Output Shaft Key	1	443021	3.00
▲	▲ Dowel Pin	2	420091	1.00	64	Output Shaft Washer Gasket	1	351051	.50
14	▲ Housing Gasket	1	241219	1.20	66	Output Shaft "O" Ring Gasket	1	418110	.60
▲	▲ Pipe Plug	4	430031	.80	68	Output Shaft Retaining Washer	1	351056	2.00
▲	▲ Magnetic Plug	1	430080	1.00	70	Output Shaft Screw	1	417318	2.00
16	▲ Countershaft Bearing Cover	1	351022	.60	72	Lockwasher	1	418014	.10
18	▲ Input Shaft Bearing Cover	1	351022	.60	74	Cover Plug	1	352055	1.20
20	Input Shaft {for 8 to 1 Ratio	1	351253	33.00	76	Cover Plug Gasket	1	427660	.60
	with Pinion {for 18 to 1 Ratio	1	351254	32.00	78	Packing Retainer	1	352062	3.20
22	Input Shaft Seal	1	351011	3.80	80	Stud Bolt	2	400404	.50
24	Input Shaft Bearing {Cone	1	390355	Ⓚ	82	Hex Jam Nut	2	407202	.10
	Input End {Cup	1	390356	Ⓚ	84	Packing	2	427665	.80
26	Input Shaft Bearing {Cone	1	390357	Ⓚ	86	Flinger	1	352074	1.00
	Closed End {Cup	1	390358	Ⓚ	▲	Sight Level Oil Gage	1	430120	3.00
28	Input Bearing Adjusting Nut	1	351285	6.00	88	Adapter {for 6" Screw Diam.	1	351083	42.00
30	Input Adj. Nut "O" Ring	1	418005	1.20		{for 9", 10" or 12" Screw Diam.	1	351068	36.00
▲	Adjusting Nut Lockscrew	3	400424	.20	90	Adapter {for 6" Screw Diam.	1	418114	3.00
	COUNTERSHAFT {for 8 to 1 Ratio	1	390206	50.80		Gasket {for 9", 10" or 12" Screw Diam.	1	418115	3.20
	ASSEMBLY * {for 18 to 1 Ratio	1	390211	51.80	92	Adapter Bolt	4	411426	.90
34	▲ Countershaft and Pinion	1	351106	21.60	93	Lockwasher	4	419011	.10
36	▲ First Reduc- {for 8 to 1 Ratio	1	351108	29.00	▲	Plain Washer	2	419092	.20
	tion Gear {for 18 to 1 Ratio	1	351105	30.00	▲	Adapter Dowel Pin	2	420084	1.00
38	▲ Key	1	242218	.20	95	Trough End { 6"	1	352182	18.00
40	Countershaft {Cone	2	390359	Ⓚ		9"	1	352181	22.00
	Bearing {Cup	2	390358	Ⓚ		10"	1	352184	24.00
42	Countershaft Bearing Adjusting Nut	1	351061	4.20		12"	1	352185	26.00
44	Countershaft Adj. Nut "O" Ring	1	418003	1.20	96	Trough End Screw	3	415036	1.00
	OUTPUT HUB ASSEMBLY *	1	390216	62.40	97	Lockwasher	3	419014	.10
46	▲ Output Hub	1	351008	32.00	98	Plain Washer	3	419081	.10
48	▲ Output Hub Gear	1	351107	30.00	99	Hex Nut	3	407093	.20
50	▲ Key	1	351017	.40	102	Motor Adapter	1	351255	36.00
52	Output Hub Seal	1	351010	7.00	104	Adapter Screw	6	417081	.20
54	Output Hub {Cone	2	390360	Ⓚ	106	Lockwasher	6	419046	.10
	Bearing {Cup	2	390361	Ⓚ					
56	Output Bearing Adjusting Nut	1	351053	6.20					
58	Output Adj. Nut "O" Ring	1	418016	1.60					

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

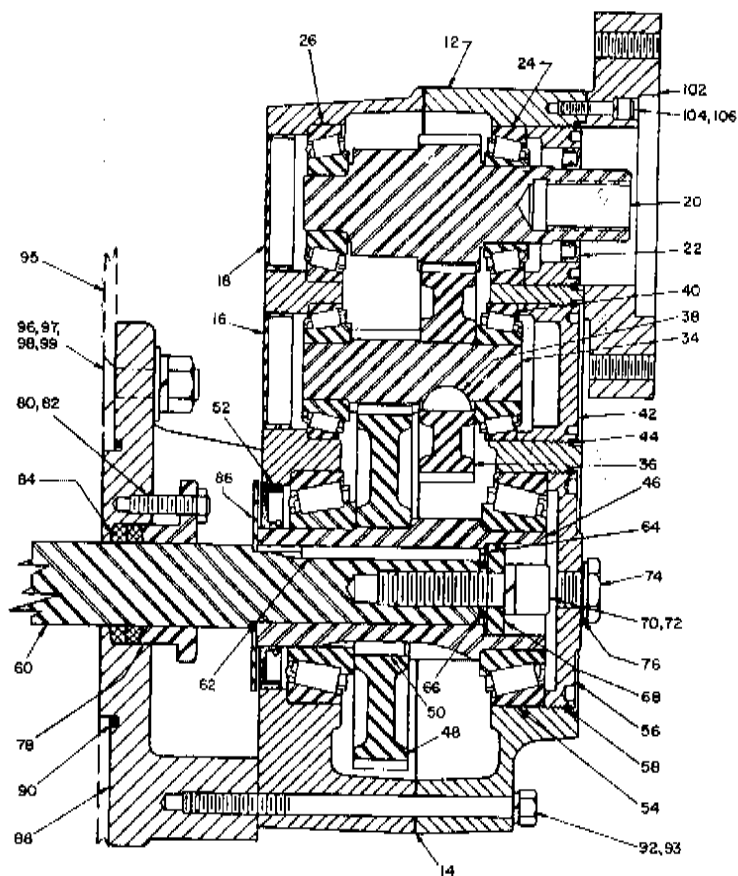
▲ Not shown on drawing.

Ⓚ Price on application.

▲ Approximate ratio of HD108A and HD108B drives.

▲ Approximate ratio of HD118A and HD118B drives.

▲ 1/2" hex key required for removal or replacement.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

HD208 and HD218 Hydroil Screw Conveyor Drives

Price List L721

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390462	\$118.00	60	Output Shaft { 1 1/2" Diameter	1	352071	\$ 22.00
▲	▲ Air Vent	1	241237	1.00		2" Diameter	1	352095	22.00
▲	▲ Housing Bolt	3	411420	.80		2 3/8" Diameter	1	352096	22.00
▲	▲ Lockwasher	3	419011	.10		3" Diameter	1	352097	47.00
▲	▲ Hex Nut	3	407087	.10	62	Output Shaft Key	1	443021	3.00
▲	▲ Dowel Pin	2	420089	1.00	64	Output Shaft Washer Gasket	1	352051	.50
14	▲ Housing Gasket	1	242219	1.40	66	Output Shaft "O" Ring Gasket	1	418110	.60
▲	▲ Pipe Plug	4	430031	.80	68	Output Shaft Retaining Washer	1	352056	2.00
▲	▲ Magnetic Plug	1	430060	1.00	70	Output Shaft Screw	1	417318	2.00
16	▲ Countershaft Bearing Cover	1	242224	.70	72	Lockwasher	1	419014	.10
18	▲ Input Shaft Bearing Cover	1	243224	.80	74	Cover Plug	1	352055	1.20
20	Input Shaft {for 8 to 1 Ratio	1	352253	70.00	76	Cover Plug Gasket	1	427660	.60
	with Pinion {for 18 to 1 Ratio	1	352254	68.00	78	Packing Retainer	1	352062	3.20
22	Input Shaft Seal	1	352270	4.80	80	Stud Bolt	2	400404	.50
24	Input Shaft Bearing {Cone	1	390457	⊗	82	Hex Jam Nut	2	407202	.10
	Input End {Cup	1	390363	⊗	84	Packing	2	427665	.80
26	Input Shaft Bearing {Cone	1	390364	⊗	86	Flinger	1	352074	1.00
	Closed End {Cup	1	390363	⊗	▲	Sight Level Oil Gage	1	430120	3.00
▲	Input Bearing Spacer	1	352059	3.20	88	Adapter {for 6" Screw Diam.	1	352201	50.00
28	Input Bearing Adjusting Nut	1	352265	7.20		for 9", 10" or 12" Screw Diam.	1	352068	42.00
30	Input Adj. Nut "O" Ring	1	418009	1.40	90	Adapter {for 6" Screw Diam.	1	418114	3.00
▲	Adjusting Nut Lockscrew	3	400424	.20		Gasket {for 9", 10" or 12" Screw Diam.	1	418115	3.20
34	COUNTERSHAFT {for 8 to 1 Ratio	1	390207	64.60	92	Adapter Bolt {Long	2	411426	.90
	ASSEMBLY * {for 18 to 1 Ratio	1	390212	65.60		{Short	2	411424	.90
36	▲ Countershaft and Pinion	1	352106	32.00	93	Lockwasher	4	419011	.10
	▲ First Reduc- {for 8 to 1 Ratio	1	352108	32.20	▲	Plain Washer	2	419092	.20
38	tion Gear {for 18 to 1 Ratio	1	352105	33.20	▲	Adapter Dowel Pin	2	420084	1.00
	▲ Key	1	244218	.40	95	Trough End { 6"	1	352182	18.00
40	Countershaft {Cone	2	390365	⊗		9"	1	352181	22.00
	Bearing {Cup	2	390366	⊗		10"	1	352184	24.00
42	Countershaft Bearing Adjusting Nut	1	352063	5.00		12"	1	352185	26.00
44	Countershaft Adj. Nut "O" Ring	1	418007	1.40	96	Trough End Screw	3	415036	1.00
46	OUTPUT HUB ASSEMBLY *	1	390217	83.00	97	Lockwasher	3	419014	.10
48	▲ Output Hub	1	352008	37.20	98	Plain Washer	3	419081	.10
50	▲ Output Hub Gear	1	352107	45.20	99	Hex Nut	3	407093	.20
	▲ Key	1	352017	.60	102	Motor Adapter	1	352255	40.00
52	Output Hub Seal	1	352010	10.00	104	Adapter Screw	6	417081	.20
54	Output Hub {Cone	2	390367	⊗	106	Lockwasher	6	419046	.10
	Bearing {Cup	2	390368	⊗					
56	Output Bearing Adjusting Nut	1	352061	7.40					
58	Output Adj. Nut "O" Ring	1	418020	1.80					

* Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

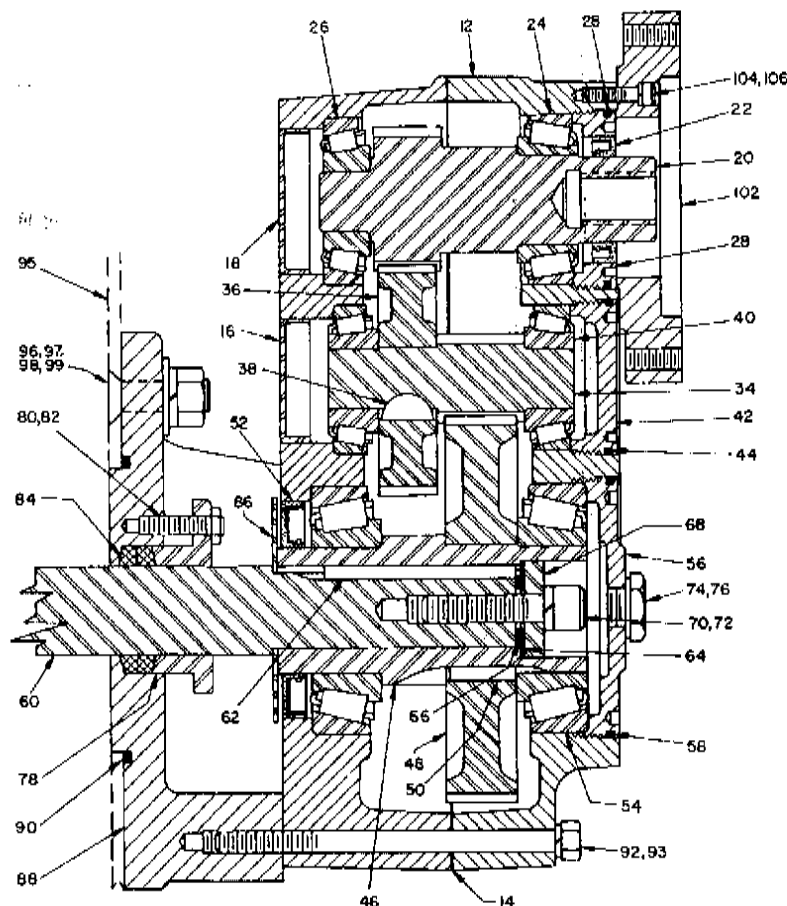
⊗ Not shown on drawing.

⊗ Price on application

▲ Approximate ratio of HD208A and HD208B drives

▲ Approximate ratio of HD218A and HD218B drives

▲ 1/2" hex key required for removal or replace



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

HD308 and HD318 Hydroil Screw Conveyor Drives

Price List L722

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY ★	1	390483	\$132.00	56	Output Bearing Adjusting Nut	1	353061	\$ 9.00
▲	Air Vent	1	241237	1.00	58	Output Adj. Nut "O" Ring	1	418022	2.00
▲	Housing Bolt	4	411442	1.00					
▲	Lockwasher	4	419012	.10	60	Output { 1½" Diameter	1	353096	30.00
▲	Hex Nut	4	407089	.10		2" Diameter	1	353071	30.00
▲	Dowel Pin	2	420014	1.20		2½" Diameter	1	353095	30.00
14	Housing Gasket	1	243219	1.60		3" Diameter	1	353097	30.00
▲	Pipe Plug	4	430031	.80	62	Output Shaft Key	1	443072	3.40
▲	Magnetic Plug	1	430060	1.00	64	Output Shaft Washer Gasket	1	353051	.80
16	Countershaft Bearing Cover	1	243224	.80	66	Output Shaft "O" Ring Gasket	1	418111	.80
18	Input Shaft Bearing Cover	1	243224	.80	68	Output Shaft Retaining Washer	1	353056	3.20
20	Input Shaft {for 8 to 1 Ratio	1	353253	82.00	70	Output Shaft Screw	1	417321	2.60
	with Pinion {for 18 to 1 Ratio	1	353254	80.00	72	Lockwasher	1	419016	.10
22	Input Shaft Seal	1	353011	6.00	74	Cover Plug	1	353055	1.20
24	Input Shaft Bearing {Cone	1	390369	8.00	76	Cover Plug Gasket	1	427662	.80
	Input End {Cup	1	390370	8.00	78	Packing Retainer	1	353062	3.60
26	Input Shaft Bearing {Cone	1	390371	8.00	80	Stud Bolt	2	400404	.50
	Closed End {Cup	1	390372	8.00	82	Hex Jam Nut	2	407202	.10
28	Input Bearing Adjusting Nut	1	353265	7.80	84	Packing	2	427666	1.00
30	Input Adj. Nut "O" Ring	1	418010	1.40	86	Flinger	1	353074	1.30
▲	Adjusting Nut Lockscrew	3	400424	.20	▲	Sight Level Oil Gage	1	430120	3.00
32	COUNTERSHAFT {for 8 to 1 Ratio	1	390208	83.00	88	Adapter for 9", 10" or 12" Screw Diam.	1	353068	42.00
34	ASSEMBLY ★ {for 18 to 1 Ratio	1	390213	84.00	90	Adapter {for 9", 10" or 12" Gasket {Screw Diam.	1	418115	3.20
▲	Countershaft and Pinion	1	353106	40.00	92	Adapter Bolt	4	411450	1.40
36	▲ First Reduc- {for 8 to 1 Ratio	1	353108	42.60	93	Lockwasher	4	419012	.10
	tion Gear {for 18 to 1 Ratio	1	353105	43.60	▲	Plain Washer	2	419094	.20
38	▲ Key	1	353018	.40	▲	Adapter Dowel Pin	2	420096	1.20
40	Countershaft {Cone	2	390373	8.00					
	Bearing {Cup	2	390374	8.00	95	Trough End { 9"	1	352181	22.00
42	Countershaft Bearing Adjusting Nut	1	353063	6.00		10"	1	352184	24.00
44	Countershaft Adj. Nut "O" Ring	1	418009	1.40		12"	1	352185	26.00
						14"	1	353191	28.00
46	OUTPUT HUB ASSEMBLY ★	1	390218	119.60	96	Trough End Screw	3	415036	1.00
▲	Output Hub	1	353008	53.00	97	Lockwasher	3	419014	.10
48	▲ Output Hub Gear	1	353107	64.00	98	Plain Washer	3	419081	.10
50	▲ Key	1	390233	2.60	99	Hex Nut	3	407093	.20
52	Output Hub Seal	1	242210	8.20	102	Motor Adapter	1	353255	48.00
54	Output Hub {Cone	2	390375	8.00	104	Adapter Screw	6	417108	.40
	Bearing {Cup	2	390333	8.00	106	Lockwasher	6	419047	.20

★ Includes parts listed immediately below marked "▲" Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

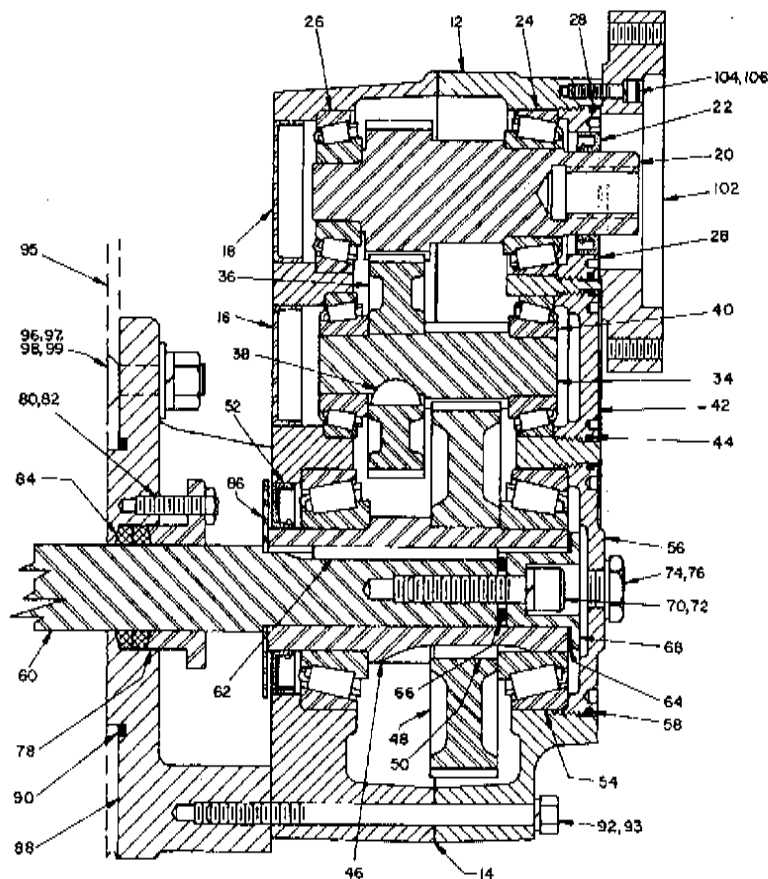
▲ Not shown on drawing.

⊠ Price on application.

⊡ Approximate ratio of HD308.

⊢ Approximate ratio of HD318.

⊣ ⅜" hex key required for removal or repl



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

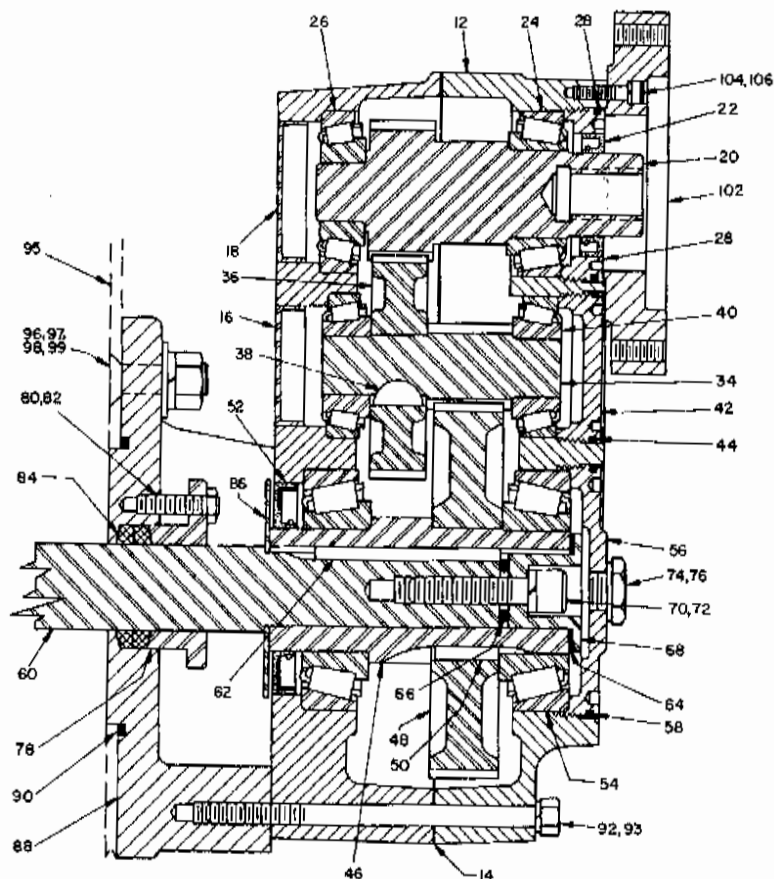
HD408 and HD418 Hydroil Screw Conveyor Drive

Price List L723

Reference	Name of Part	No. Req'd.	Part No.	Price Each	Reference	Name of Part	No. Req'd.	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390464	\$186.00	60	Output Shaft { 1 1/2" Diameter ■ 2" Diameter ■ 2 3/8" Diameter ■ 3" Diameter ■ 3 1/2" Diameter ■	1	354096	\$ 38.00
▲	Air Vent	1	241237	1.00			1	354097	38.00
▲	Housing Bolt	4	411444	1.10			1	354071	38.00
▲	Lockwasher	4	419012	.10			1	354095	38.00
▲	Hex Nut	4	407089	.10			1	354098	63.00
▲	Dowel Pin	2	420104	1.20	62	Output Shaft Key	1	443071	3.00
14	Housing Gasket	1	244219	1.80	64	Output Shaft Washer Gasket	1	354051	.60
▲	Pipe Plug	4	430031	.80	66	Output Shaft "O" Ring Gasket	1	418112	.80
▲	Magnetic Plug	1	430060	1.00	68	Output Shaft Retaining Washer	1	354056	6.80
16	Countershaft Bearing Cover	1	243224	.80	70	Output Shaft Screw	1	417322	3.80
18	Input Shaft Bearing Cover	1	243224	.80	72	Lockwasher	1	419055	.30
20	Input Shaft {for 8 to 1 Ratio I with Pinion {for 18 to 1 Ratio I	1	354253	110.00	74	Cover Plug	1	355055	1.40
22	Input Shaft Seal	1	354011	7.00	76	Cover Plug Gasket	1	427661	1.20
24	Input Shaft Bearing {Cone	1	390376	■	78	Packing Retainer	1	354062	4.20
	Input End {Cup	1	390377	■	80	Stud Bolt	2	400404	.50
26	Input Shaft Bearing {Cone	1	390378	■	82	Hex Jam Nut	2	407202	.10
	Closed End {Cup	1	390379	■	84	Packing	2	427667	2.20
28	Input Bearing Adjusting Nut	1	354265	9.00	86	Flinger	1	354074	2.00
30	Input Adj. Nut "O" Ring	1	418013	1.40	▲	Sight Level Oil Gage	1	430120	3.00
▲	Adjusting Nut Lockscrew	3	400424	.20	88	Adapter for 9", 10" or 12" Screw Diam.	1	354068	48.00
	COUNTERSHAFT {for 8 to 1 Ratio I ASSEMBLY * {for 18 to 1 Ratio I	1	390209	104.40	90	Adapter {for 9", 10" or 12" Gasket {Screw Diam.	1	418115	3.20
34	▲ Countershaft and Pinion	1	354106	48.00	92	Adapter Bolt	4	411452	1.60
36	▲ First Reduc- {for 8 to 1 Ratio I tion Gear {for 18 to 1 Ratio I	1	354108	56.00	93	Lockwasher	4	419012	.10
38	▲ Key	1	245218	.40	▲	Plain Washer	2	419094	.20
40	Countershaft (Cone	2	390378	■	▲	Adapter Dowel Pin	2	420096	1.20
	Bearing)Cup	2	390379	■	95	Trough End { 12" 14" 16" 18" 20"	1	354190	26.00
42	Countershaft Bearing Adjusting Nut	1	354063	7.20			1	354191	28.00
44	Countershaft Adj. Nut "O" Ring	1	418011	1.40			1	354192	40.00
	OUTPUT HUB ASSEMBLY *	1	390219	139.00			1	354193	50.00
46	▲ Output Hub	1	354008	60.00			1	354194	60.00
48	▲ Output Hub Gear	1	354107	76.00	96	Trough End Screw	3	415038	1.20
50	▲ Key	1	390234	3.00	97	Lockwasher	3	419016	.10
52	Output Hub Seal	1	243210	10.00	98	Plain Washer	3	419082	.10
54	Output Hub {Cone	2	390344	■	99	Hex Nut	3	407095	.30
	Bearing)Cup	2	390345	■	102	Motor Adapter	1	354255	60.00
56	Output Bearing Adjusting Nut	1	354061	11.20	104	Adapter Screw	6	417108	.40
58	Output Adj. Nut "O" Ring	1	418027	2.60	106	Lockwasher	6	419047	.20

*Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.
▲The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

▲ Not shown on drawing.
■ Price on application.
I Approximate ratio of HD408.
X Approximate ratio of HD418.
■ 3/4" hex key required for removal or replacement.



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

HD508 and HD518 Hydroil Screw Conveyor Drives

Price List L724

Reference	Name of Part	No. Req'd	Part No.	Price Each	Reference	Name of Part	No. Req'd	Part No.	Price Each
12	HOUSING ASSEMBLY *	1	390465	\$246.00	60	Output Shaft { 1 1/2" Diameter ■ 2" Diameter ■ 2 1/4" Diameter ■ 3" Diameter ■ 3 1/4" Diameter ■	1	355096	\$ 75.00
▲	▲ Air Vent	1	245237	2.00			1	355097	50.00
▲	▲ Housing Bolt	4	411470	1.40			1	355098	50.00
▲	▲ Lockwasher	4	419013	.10			1	355071	50.00
▲	▲ Hex Nut	4	407091	.10			1	355095	50.00
▲	▲ Dowel Pin	2	420112	1.60	62	Output Shaft Key	1	443104	4.00
14	▲ Housing Gasket	1	245219	2.00	64	Output Shaft Washer Gasket	1	355051	.80
▲	▲ Pipe Plug	4	430033	1.00	66	Output Shaft "O" Ring Gasket	1	418113	1.00
▲	▲ Magnetic Plug	1	430062	1.20	68	Output Shaft Retaining Washer	1	355056	10.40
16	▲ Countershaft Bearing Cover	1	245224	.90	70	Output Shaft Screw	1	417324	5.60
18	▲ Input Shaft Bearing Cover	1	355060	1.00	72	Lockwasher	1	419056	.40
20	Input Shaft {for 8 to 1 Ratio ■ with Pinion {for 18 to 1 Ratio ■	1	355253	130.00	74	Cover Plug	1	355055	1.40
22	Input Shaft Seal	1	355254	128.00	76	Cover Plug Gasket	1	427661	1.20
24	Input Shaft Bearing {Cone Input End {Cup	1	390380	■	78	Packing Retainer	1	355062	5.20
26	Input Shaft Bearing {Cone Closed End {Cup	1	390381	■	80	Stud Bolt	2	400404	.50
28	Input Bearing Adjusting Nut	1	390382	■	82	Hex Jam Nut	2	407202	.10
30	Input Adj. Nut "O" Ring	1	390383	■	84	Packing	2	427668	3.20
▲	Adjusting Nut Lockscrew	3	355265	11.20	86	Flinger	1	355074	2.80
			418019	1.80	▲	Sight Level Oil Gage	1	430121	4.20
			400424	.20	88	Adapter for 9", 10" or 12" Screw Diam.	1	355068	68.00
34	COUNTERSHAFT {for 8 to 1 Ratio ■ ASSEMBLY * {for 18 to 1 Ratio ■	1	390210	153.60	90	Adapter {for 9", 10" or 12" Gasket {Screw Diam.	1	418115	3.20
36	▲ Countershaft and Pinion	1	390215	154.60	92	Adapter Bolt	4	411478	3.40
38	▲ First Reduc- {for 8 to 1 Ratio ■ tion Gear {for 18 to 1 Ratio ■	1	355106	75.00	▲	Lockwasher	4	419013	.10
▲	▲ Key	1	355108	78.00	▲	Plain Washer	2	419096	.20
			355105	79.00	▲	Adapter Dowel Pin	2	420109	1.40
			355018	.60	95	Trough End { 12" 14" 16" 18" 20"	1	354190	26.00
40	Countershaft {Cone Bearing {Cup	2	390384	■			1	354191	28.00
42	Countershaft Bearing Adjusting Nut	2	390385	■			1	354192	40.00
44	Countershaft Adj. Nut "O" Ring	1	355063	10.00			1	354193	50.00
			418017	1.60			1	354194	60.00
46	OUTPUT HUB ASSEMBLY *	1	390220	223.80	96	Trough End Screw	3	415038	1.20
48	▲ Output Hub	1	355008	80.00	97	Lockwasher	3	419016	.10
50	▲ Output Hub Gear	1	355107	140.00	98	Plain Washer	3	419082	.10
52	▲ Key	1	390235	3.80	99	Hex Nut	3	407095	.30
54	Output Hub Seal	1	355010	12.00	102	Motor Adapter	1	355255	70.00
56	Output Hub {Cone Bearing {Cup	2	390386	■	104	Adapter Screw	6	417108	.40
58	Output Bearing Adjusting Nut	2	390387	■	106	Lockwasher	6	419047	.20
			355061	15.20					
			418038	3.60					

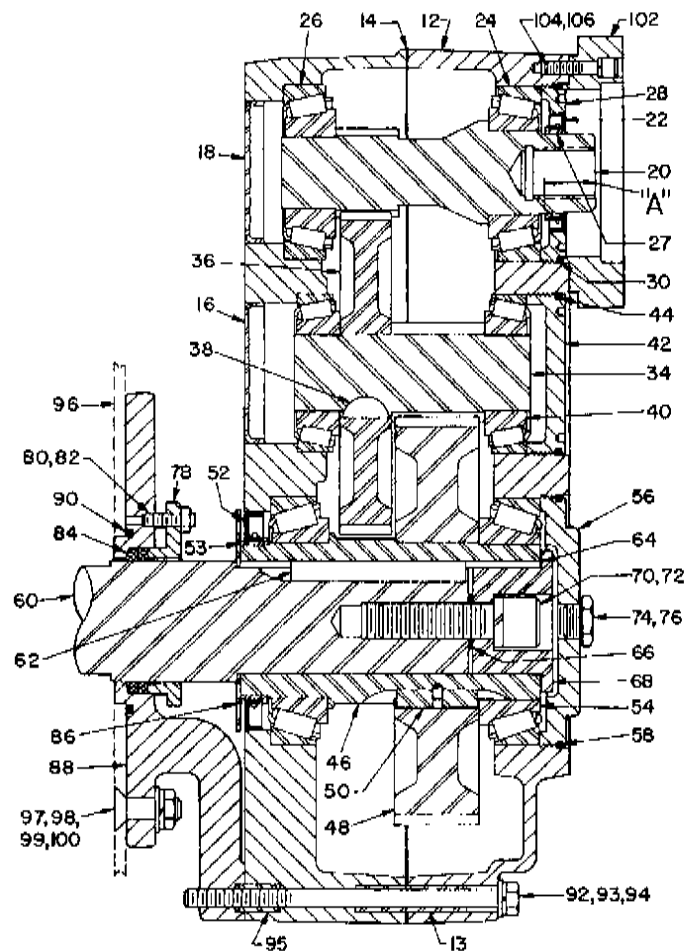
* Includes parts listed immediately below marked "▲". Housing Assembly also includes two piece housing.
▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

■ Not shown on drawing.
■ Price on application.
■ Approximate ratio of HD508.
■ Approximate ratio of HD518.
■ 3/4" hex key required for removal or replace

Parts for HD618 Hydroll Screw Conveyor Drive

Price List L725

Reference	Name of Part	No. Req'd	Part No.	Price Each
12	HOUSING ASSEMBLY ★	1	390466	\$370.00
▲	▲ Air Vent	1	245237	2.00
▲	▲ Housing Bolt	4	411468	1.20
▲	▲ Lockwasher	4	419013	.10
▲	▲ Hex Nut	4	407091	.10
13	▲ Dowel Pin	2	420112	1.60
14	▲ Housing Gasket	1	246219	3.00
▲	▲ Pipe Plug	4	430033	1.00
▲	▲ Magnetic Plug	1	430062	1.20
16	▲ Countershaft Bearing Cover	1	246224	1.20
18	▲ Input Shaft Bearing Cover	1	246224	1.20
20	Input Shaft with Pinion	1	356254	177.00
22	Input Shaft Seal	1	356011	15.00
24	Input Shaft Bearing {Cup, 552A▲	1	390470	☐
	Input End {Cone, 555S▲	1	390468	☐
26	Input Shaft Bearing {Cup, 552A▲	1	390470	☐
	Closed End {Cone, 555▲	1	390469	☐
27	Input Seal Wear Ring	1	356130	7.30
28	Input Bearing Adjusting Nut	1	356265	16.80
30	Input Adj. Nut "O" Ring	1	418026	2.60
▲	Adjusting Nut Lockscrew	3	400424	.20
	COUNTERSHAFT ASSEMBLY ★	1	390629	247.10
34	▲ Countershaft and Pinion	1	356106	120.00
36	▲ First Reduction Gear	1	356105	126.50
38	▲ Key	1	247218	.60
40	Countershaft {Cup, 39520▲	2	390333	☐
	Bearing {Cone, 39578▲	2	390471	☐
42	Countershaft Bearing Adj. Nut	1	356063	15.00
44	Countershaft Adj. Nut "O" Ring	1	418023	2.40
	OUTPUT HUB ASSEMBLY ★	1	390630	356.00
46	▲ Output Hub	1	356008	128.00
48	▲ Output Hub Gear	1	356107	224.00
50	▲ Key	1	356017	4.00
52	Output Hub Seal	1	356010	18.00
53	Output Seal Wear Ring	1	356132	16.80
54	Output Hub {Cup, 64700▲	2	390782	☐
	Bearing {Cone, 64433▲	2	390472	☐
56	Output Bearing Adjusting Nut	1	356061	23.80
58	Output Adj. Nut "O" Ring	1	418044	4.00
60	Output Shaft {2 1/4" Diameter ■	1	356098	100.00
	{3" Diameter ■	1	356071	100.00
	{3 1/4" Diameter ■	1	356095	100.00
62	Output Shaft Key	1	443118	4.20
64	Output Shaft Washer Gasket	1	356051	1.20
66	Output Shaft "O" Ring Gasket	1	418113	1.00
68	Output Shaft Retaining Washer	1	356056	10.40
70	Output Shaft Screw	1	417324	5.60
72	Lockwasher	1	419056	.40
74	Cover Plug	1	355055	1.40
76	Cover Plug Gasket	1	427661	1.20
78	Packing Retainer	1	356062	8.20
80	Stud Bolt	2	400404	.50
82	Hex Jam Nut	2	407202	.10
84	Packing	2	427669	5.00
86	Flinger	1	356074	4.20
▲	Sight Level Oil Gage	1	430121	4.20
88	Adapter	1	356068	110.00
90	Adapter Gasket	1	418115	3.20
92	Adapter {Long	2	411476	3.50
	Bolt {Short	2	411478	3.40
93	Lockwasher	4	411468	.10
94	Plain Washer	2	419096	.20
95	Adapter Dowel Pin	2	420109	1.40
96	Trough End {12" 1	1	354190	26.00
	{14" 1	1	354191	28.00
	{16" 1	1	354192	40.00
	{18" 1	1	354193	50.00
	{20" 1	1	354194	60.00
97	Trough End Screw	3	415038	1.20
98	Lockwasher	3	419016	.10
99	Plain Washer	3	419082	.10
100	Hex Nut	3	407095	.30
102	Motor Adapter	1	356255	105.40
104	Adapter Screw	6	417108	.40
106	Lockwasher	6	419047	.20



NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Price List. Each six digit number is a complete identification of the part or assembly.

★ Includes parts listed immediately below marked "▲". Housing Assembly also includes two-piece housing.

▲ The parts marked "▲" make up the assemblies under which they are listed. Housing Assembly also includes two-piece housing.

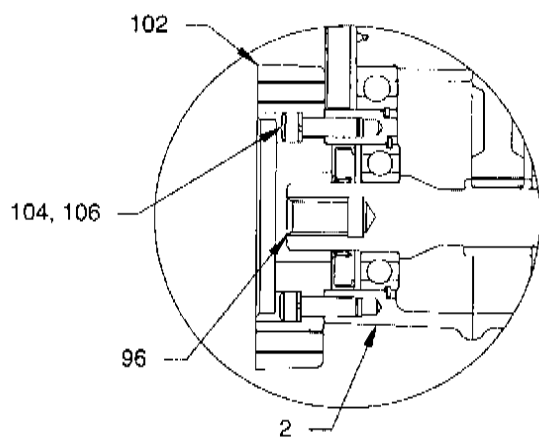
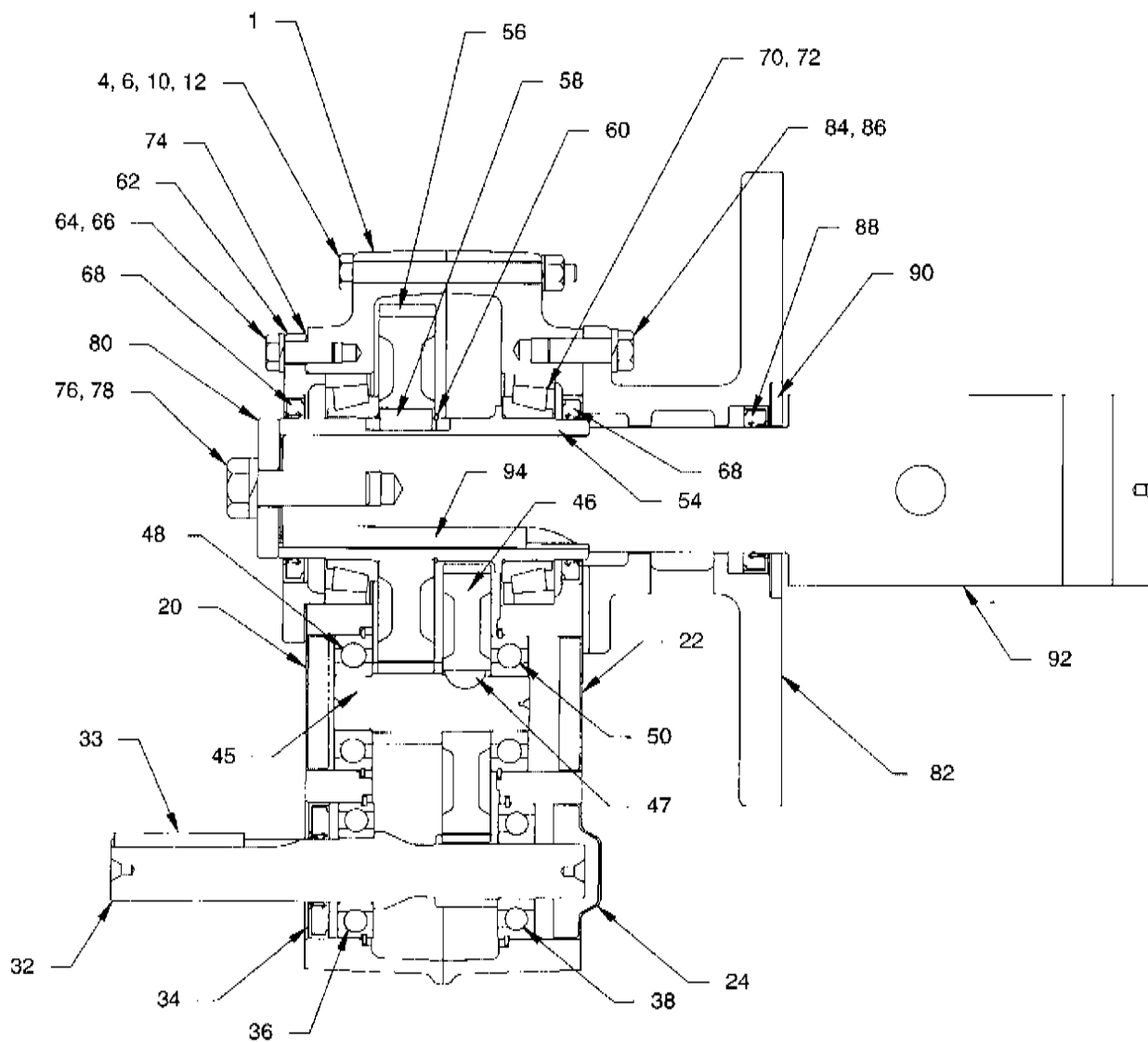
▲ Not shown on drawing.

☐ Price on application.

■ 3/4" hex key required for removal or replacement.

▲ Timken part number.

**PARTS FOR SCXT1, SCXT2, HSCXT1 & HSCXT2
SCREW CONVEYOR AND HYDROIL SCREW CONVEYOR DRIVE**



HSCXT1 and HSCXT2

Note: Parts for HSCXT Screw Conveyor Drives are the same as for SCXT Screw Conveyor Drives, except as noted in this view.

Ref.	Name of Part	No. Req'd	(H)SCXT1	(H)SCXT2
1	SCXT Housing	1	351225	352219
2	HSCXT Housing	1	351240	352245
✧	Air Vent	1	241237	241237
4	Housing Bolt	•	411418	411418
6	Lockwasher	@	419011	419011
✧	Washer	4	419092	419092
10	Hex Nut	•	407087	407087
12	Dowel Pin	2	420091	420091
✧	Pipe Plug	5	430031	430031
✧	Magnetic Drain Plug	1	430060	430060
20	Countershaft Bearing Cover (Input Side)	1	242224	242212
22	Countershaft Bearing Cover (Output Side)	1	242224	242212
24	Input Shaft Bearing Cover	1	361062	354112
76	Retainer Bolt	1	411549	411549
78	Lockwasher	1	419014	419014
80	Shaft Retainer	1	351116	352116
32*	Input Shaft 9:1 Ratio	1	241481	242481
	with Pinion 15:1 Ratio	1	241302	242186
	25:1 Ratio	1	241200	242187
33	Input Shaft Key	1	443008	443013
36*	Input Shaft Bearing (Input Side)	1	424112	424019
38*	Input Shaft Bearing (Output Side)	1	424111	424090
	Countershaft 9:1 Ratio	1	392100	392101
	Assembly ★ 15:1 Ratio	1	392090	392092
	25:1 Ratio	1	392091	392093
45	▲ Countershaft with Pinion	1	241216	242185
46	▲ First Reduction 9:1 Ratio	1	241482	242482
	Gear 15:1 Ratio	1	241170	242008
	25:1 Ratio	1	241171	242005
47	▲ Gear Key	1	241309	242218
48*	Countershaft Bearing (Input Side)	1	424006	424000
50*	Countershaft Bearing (Output Side)	1	424006	424000
	Output Hub Assembly ★	1	391029	392105
54*	▲ Output Hub	1	351112	352112
56*	▲ Output Hub Gear	1	241007	242181
58*	▲ Output Hub Gear Key	1	241217	443399
60*	▲ Snap Ring	1	421013	421017
62	Output Hub Seal Carrier	1	351114	352114
64	Carrier Screw	6	411405	411407
66	Lockwasher	6	419010	419011
70*	Output Hub Bearing Cone	2	402246	402247
72*	Cup	2	403149	403150
74	Output Hub Shim Pack	1 Set	391056	391059
	"A" Adapter Assembly ★ †	1	351086	352052
	"B" Adapter Assembly ★	1	351087	352053
✧	▲ "A" Adapter	1	351117	352117
82	▲ "B" Adapter	1	351118	352119
84	▲ Bolt	4	411408	411433
86	▲ Lockwasher	4	419011	419012
88	▲ Lip Seal	1	351123	352122
✧	▲ Braided Seal	2	427663	427659
90	▲ Seal Retaining Ring	1	351121	352121
	Adjustable Adapter Assy ★	1	356168	356112
✧	▲ Adjustable Adapter	1	356169	356113
84	▲ Bolt	4	411408	411433
86	▲ Lockwasher	4	419011	419012
✧	▲ Adj. Packing Retainer	1	356134	356115
✧	▲ Stud	2	400404	400404
✧	▲ Hex Nut	2	407202	407202
✧	▲ Braided Seal	3	427663	427659
90	▲ Seal Retaining Ring	1	351121	352121
92	Drive 1 1/2" Dia.	1	351094	352090
	Shaft ★ 2" Dia.	1	351095	352091
	2 7/16" Dia.	1	351096	352092
	3" Dia.	1	351097	352093
	3 7/16" Dia.	1	---	---
94	▲ Key	1	443287	443223

Ref.	Name of Part	No. Req'd	(H)SCXT1	(H)SCXT2
	Seal Kit * ★	1	272711	272712
34	▲ Input Seal	1	241457	242211
68	▲ Output Seal	2	351113	352113
✧	RTV Sealant, Tube	1	465044	465044
96*	Hydroil Input 15:1 Ratio	1	241455	242188
	Pinion 25:1 Ratio	1	241449	242189
102	Hydroil Motor Adapter	1	C11762	352240
104	Adapter Screw	5	417081	417081
106	Lockwasher	5	419046	419046

★ Includes parts listed immediately below marked "▲".

▲ Makes up assembly under which listed.

✧ Not shown on drawing.

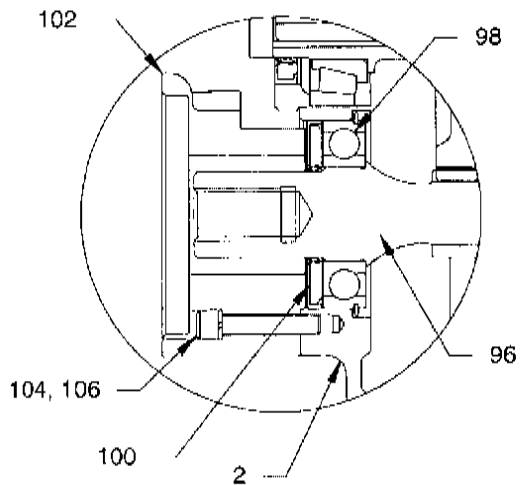
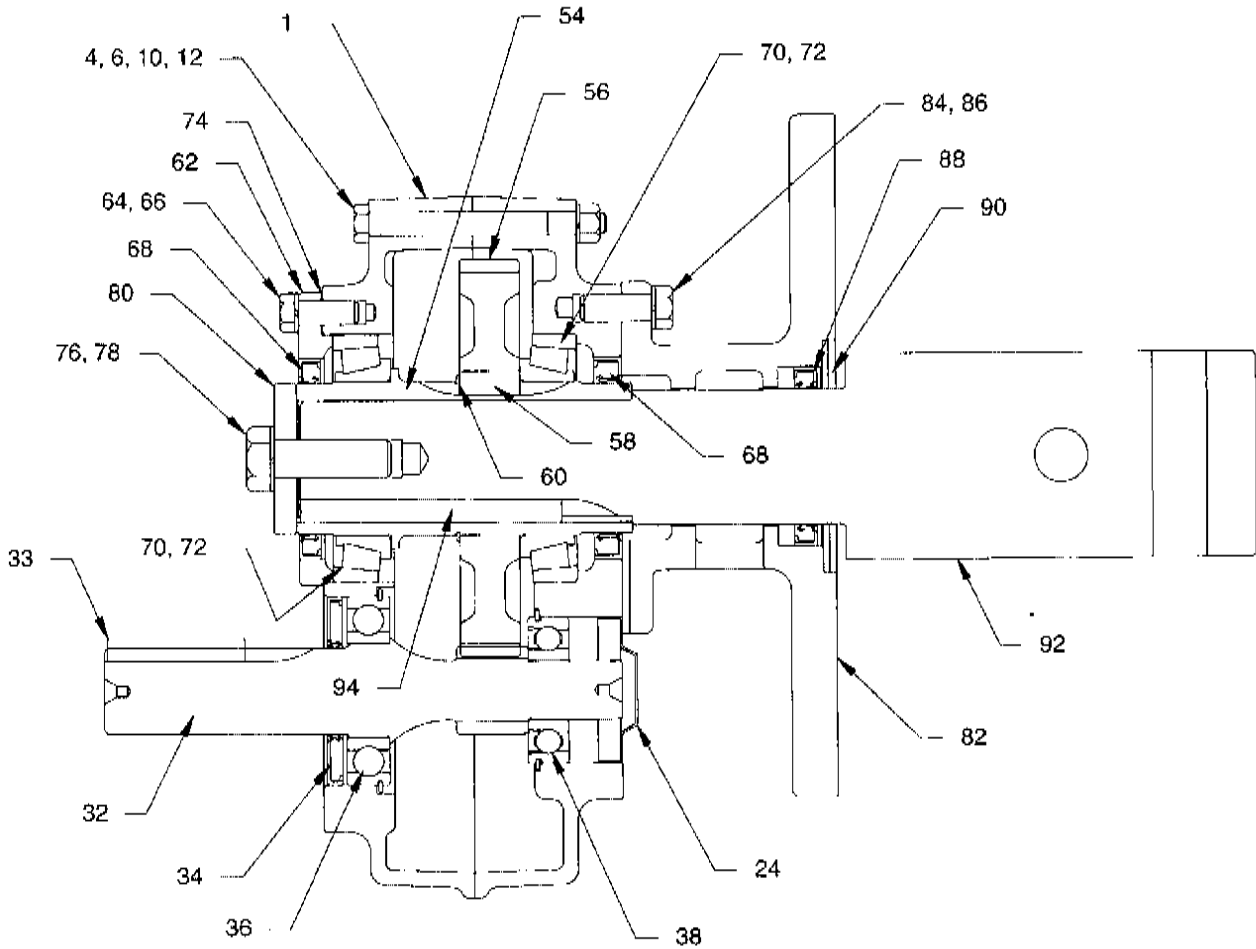
• 6 req'd for (H)SCXT1, 7 req'd for (H)SCXT2.

† Used only on (H)SCXT1 and (H)SCXT2 with 1 1/2" dia. shafts.

• Recommended spare parts.

@ 4 req'd for (H)SCXT1, 5 req'd for (H)SCXT2.

**PARTS FOR SCXT105, SCXT205, HSCXT105 & HSCXT205
SCREW CONVEYOR AND HYDROIL SCREW CONVEYOR DRIVE**



HSCXT105 and HSCXT205

Note: Parts for HSCXT Screw Conveyor Drives are the same as for SCXT Screw Conveyor Drives, except as noted in this view.

Ref.	Name of Part	No. Req'd	(H)SCXT105	(H)SCXT205
1	SCXT Housing	1	351235	352179
2	HSCXT Housing	1	351241	352246
❖	Air Vent	1	241237	241237
4	Housing Bolt	•	411418	411418
6	Lockwasher	@	419011	419011
❖	Washer	4	419092	419092
10	Hex Nut	•	407087	407087
12	Dowel Pin	2	420091	420091
❖	Pipe Plug	5	430031	430031
❖	Magnetic Drain Plug	1	430060	430060
24	Input Shaft Bearing Cover	1	361062	354112
76	Retainer Bolt	1	411549	411549
78	Lockwasher	1	419014	419014
80	Shaft Retainer	1	351116	352116
32*	Input Shaft with Pinion	1	251020	242214
33	Input Shaft Key	1	443013	443052
36*	Input Shaft Bearing (Input Side)	1	424076	424076
38*	Input Shaft Bearing (Output Side)	1	424012	424000
	Output Hub Assembly ★	1	391029	392105
54*	▲ Output Hub	1	351112	352112
56*	▲ Output Hub Gear	1	241007	242181
58*	▲ Output Hub Gear Key	1	241217	443399
60*	▲ Snap Ring	1	421013	421017
62	Output Hub Seal Carrier	1	351114	362051
64	Carrier Screw	6	411405	411407
66	Lockwasher	6	419010	419011
70*	Output Hub Bearing Cone	2	402246	402247
72*	Cup	2	403149	403150
74	Output Hub Shim Pack	1 Set	391056	392160
	A Adapter Assembly ★ †	1	351086	352052
	B Adapter Assembly ★	1	351087	352053
❖	▲ "A" Adapter	1	351117	352117
82	▲ "B" Adapter	1	351118	352119
84	▲ Bolt	4	411406	411433
86	▲ Lockwasher	4	419011	419012
88	▲ Lip Seal	1	351123	352122
❖	▲ Braided Seal	2	427663	427659
90	▲ Seal Retaining Ring	1	351121	352121
	Adjustable Adapter Assy ★	1	356168	356112
❖	▲ Adjustable Adapter	1	356169	356113
84	▲ Bolt	4	411406	411433
86	▲ Lockwasher	4	419011	419012
❖	▲ Adj. Packing Retainer	1	356134	356115
❖	▲ Stud	2	400404	400404
❖	▲ Hex Nut	2	407202	407202
❖	▲ Braided Seal	3	427663	427659
90	▲ Seal Retaining Ring	1	351121	352121
92	Drive 1 1/2" Dia.	1	351094	352090
	Shaft ★ 2" Dia.	1	351095	352091
	2 7/16" Dia.	1	351096	352092
	3" Dia.	1	351097	352093
	3 7/16" Dia.	1	---	---
94	▲ Key	1	443287	443223
	Seal Kit * ★	1	272716	272717
34	▲ Input Seal	1	242211	252063
68	▲ Output Seal	2	351113	352113
❖	RTV Sealant, Tube	1	465044	465044
96*	Hydroil Input Pinion	1	251086	242215
98*	Input Shaft Bearing (Input Side)	1	424137	424078
100*	Input Seal	1	251099	252063
102	Hydroil Motor Adapter	1	361076	362077
104	Adapter Screw	5	417090	417090
106	Lockwasher	5	419046	419046

★ Includes parts listed immediately below marked "▲".

▲ Makes up assembly under which listed.

❖ Not shown on drawing.

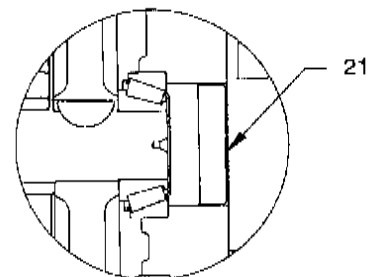
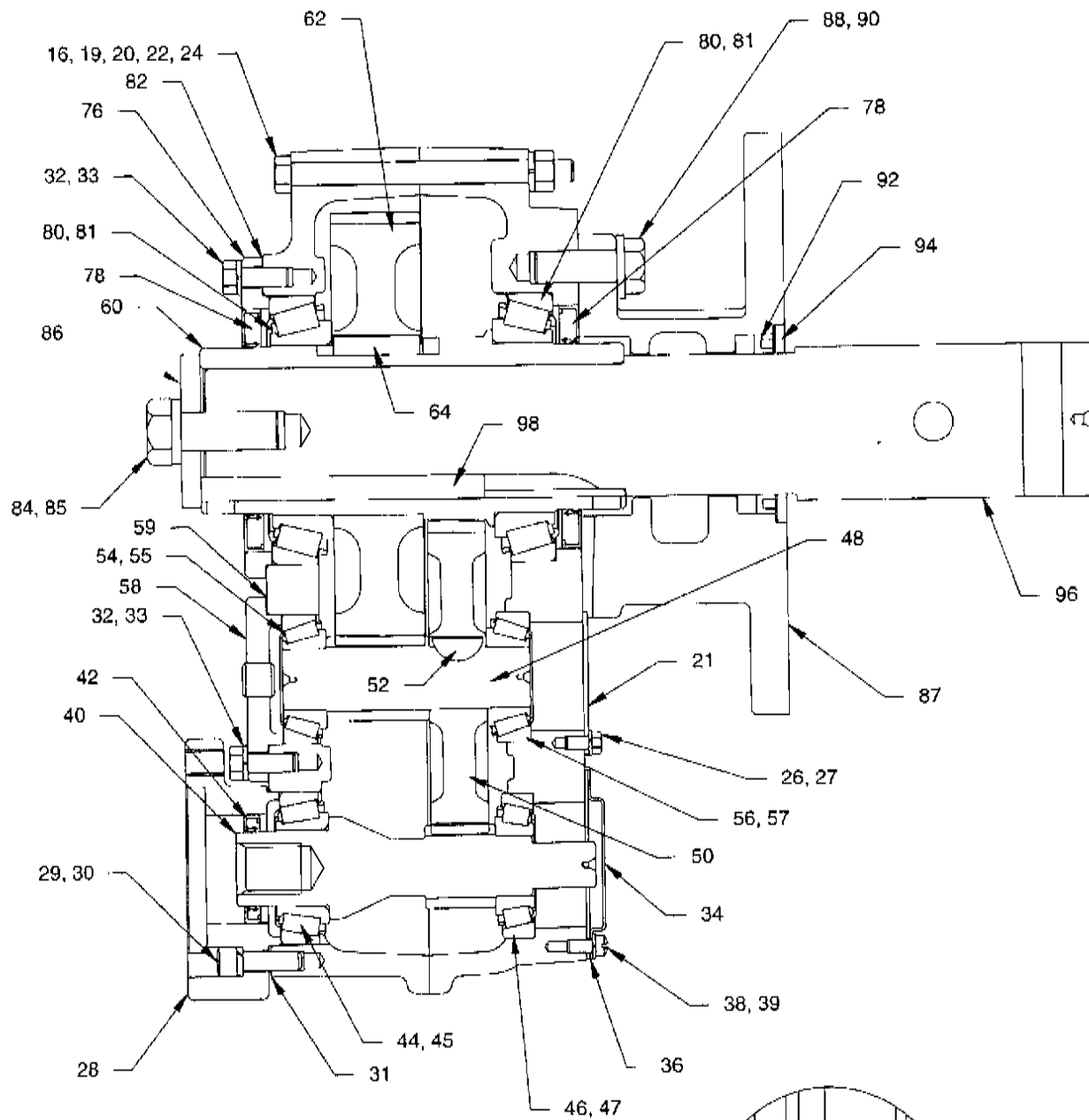
• 6 req'd for (H)SCXT105, 7 req'd for (H)SCXT205.

† Used only on (H)SCXT105 and (H)SCXT205 with 1 1/2" dia. shafts.

• Recommended spare parts.

@ 4 req'd for (H)SCXT105, 5 req'd for (H)SCXT205.

PARTS FOR HSCXT325A 6B - HSCXT415A 6B - HSCXT425A 6B - HSCXT525B 6B
HYDROIL SCREW CONVEYOR DRIVE



Countershaft Cover
(Backstop Side)
HSCXT4A - 6B Only

Ref.	Name of Part	No. Req'd	HSCXT 3A - 6B	HSCXT 4A - 6B	HSCXT 5B - 6B
	Housing	1	243538	244569	245589
❖	Air Vent	1	241237	241237	245237
16	Housing Bolt	6	411440	411442	411464
19	Washer	4	419094	419094	419096
20	Lockwasher	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
❖	Pipe Plug	2	430031	430031	430033
❖	Magnetic Plug	1	430060	430060	430062
21	Countershaft Cover Screws (Backstop Side)	4	416524	---	411394
26	Countershaft Bearing Cover (Backstop Side)	1	243559	244495	244574
27	Lockwasher	4	419007	---	419009
28	Hydroil Motor Adapter	1	243467	244573	245643
29	Adapter Screws	4 •	417081	419108	417108
30	Lockwasher	4 •	419046	419047	419047
31+	Input Bearing Shim Pack	2 †	389704	389711	389732
32	Carrier and Cover Screws	10	411390	411407	411407
33	Lockwasher	10	419010	419011	419011
34	Backstop Cover	1	243560	244493	245547
38	Backstop Cover Screw	4	416524	411035	411406
39	Lockwasher	4	419007	419009	419009
40+	6B Hydroil 15:1 Ratio	1	---	244586	---
	Input Pinion 25:1 Ratio	1	243498	244587	245641
44	Input Shaft Bearing Cone	1	402204	402280	402144
45	(Input Side) Cup	1	403139	403027	403104
46	Input Shaft Bearing Cone	1	402273	402142	402266
47	(Backstop Side) Cup	1	403094	403102	403073
	Countershaft 15:1 Ratio	1	---	389707	---
	Assembly ★ 25:1 Ratio	1	389701	389708	389715
48	▲ Countershaft with Pinion	1	343555	244590	244596
50+	▲ First 15:1 Ratio	1	---	244214	---
	Reduction 25:1 Ratio	1	243212	244212	245212
	Gear				
52+	▲ Key	1	243215	244215	244215
54+	Countershaft Bearing Cone	1	402273	402000	402203
55+	(Input Side) Cup	1	403094	403000	403027
56+	Countershaft Bearing Cone	1	402273	402000	402203
57+	(Backstop Side) Cup	1	403094	403000	403027
58	Countershaft Bearing Cover (Input Side)	1	243545	244578	245594
59+	C'shaft Bearing Shim Pack	2	389705	389712	389718
	Output Hub Assembly ★	1	389702	389709	389716
60+	▲ Output Hub	1	243557	244589	245591
62+	▲ Output Gear	1	243570	244188	245186
64+	▲ Output Gear Key	1	389733	391015	391026
76	Output Hub Seal Carrier (Input Side)	1	243547	244591	245592
80+	Output Hub Cone	2	402272	402268	402193
81+	Bearing Cup	2	403127	403163	403016
82+	Output Hub Brg. Shim Pack	2	389706	389713	389719
	Seal Kit+ ★	1	389720	389721	389722
36+	▲ Backstop Cover Gasket	1	243561	244593	245220
42+	▲ Input Shaft Seal	1	243558	244524	355011
78+	▲ Output Hub Seal	2	243578	244673	245545
❖	RTV Sealant, Tube	1	465044	465044	465044
84	Retainer Bolt	1	411551	411551	411551
85	Lockwasher	1	419016	419016	419016
86	Shaft Retainer	1	353053	354088	355065
	Standard Adapter ★ or Adjustable Adapter ★	1	353047	354121	355072
	▲ Standard Adapter	1	356163	356149	356158
87	❖ ▲ Adjustable Adapter	1	353081	354081	355047
	▲ Bolt	4	411456	411483	411483
90	▲ Lockwasher	4	419013	419014	419014
92	▲ Lip Seal	1	353085	354115	355067
❖	▲ Braided Seal	2	427658	427664	427674
94	▲ Seal Retaining Ring	1	353054	354089	355066
96	Drive 1 1/2" Dia.	1	243562	244594	---
	Shaft 2" Dia.	1	243563	244595	355175
	2 7/16" Dia.	1	243564	244596	355176
	3" Dia.	1	243565	244597	355177
	3 7/16" Dia.	1	---	244598	355178
98	Key	1	443089	443114	443239

* Includes parts listed immediately below marked *

▲ Makes up assembly under which listed.

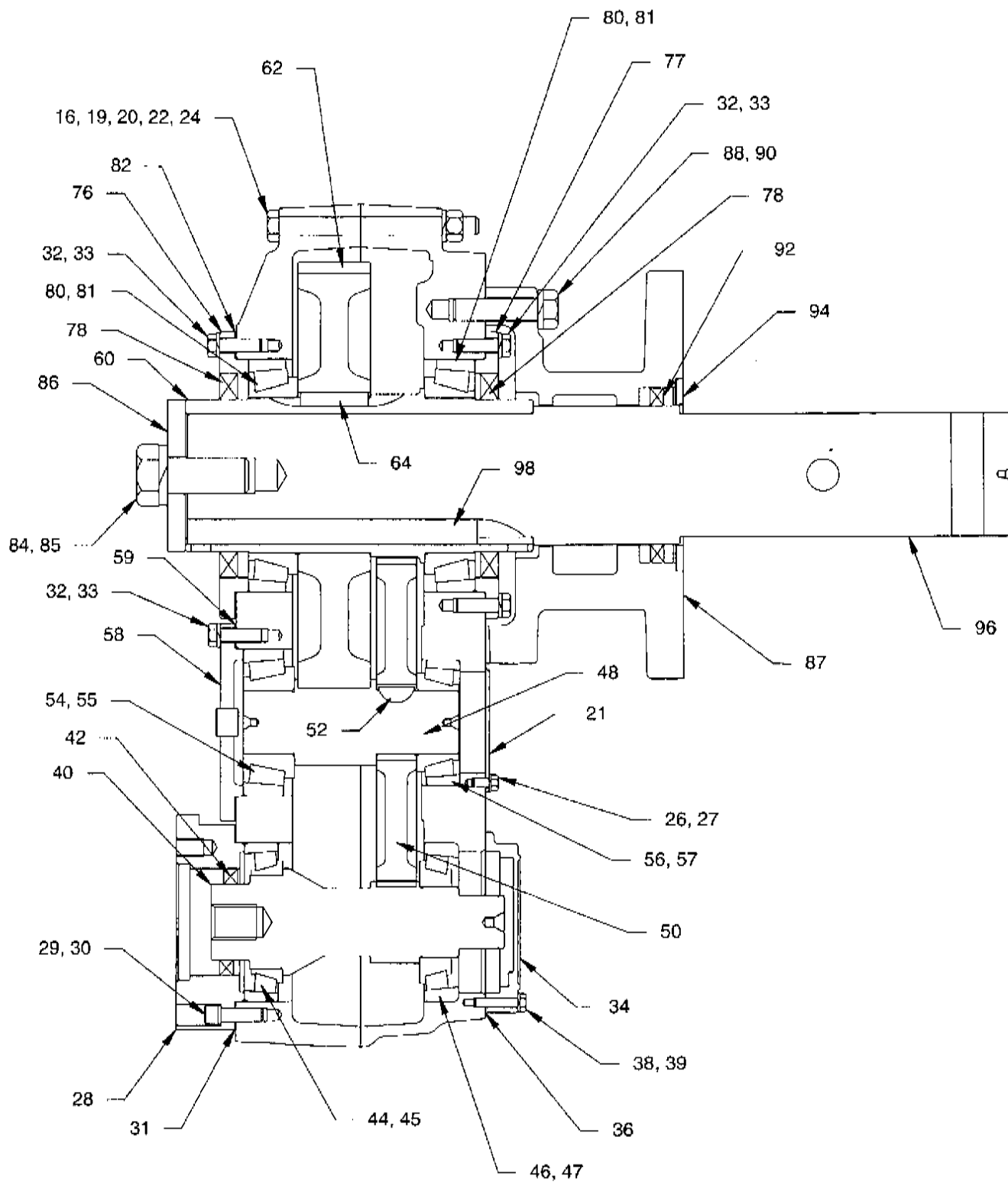
❖ Not shown on drawing.

• 5 required on HSCXT525B - 6B.

† See last paragraph under "Ordering Parts".

+ Recommended spare parts.

PARTS FOR HSCXT625 - 6B & HSCXT725 - 6B
HYDROIL SCREW CONVEYOR DRIVE



Ref.	Name of Part	No. Req'd	HSCXT6 - 6B	HSCXT7 - 6B
	Housing	1	356297	356280
❖	Air Vent	1	245237	245237
16	Housing Bolt	8	411466	411498
20	Lockwasher	8	419013	419016
❖	Washer	2	419096	419082
22	Hex Nut	8	407091	407095
24	Dowel Pin	2	420112	420128
❖	Pipe Plug	2	430033	430035
❖	Magnetic Plug	1	430062	430064
21	Countershaft Cover Screws (Backstop Side)	6	411394	411394
26	Countershaft Bearing Cover (Backstop Side)	1	246015	247011
27	Lockwasher	6	419009	419009
28	Hydroil Motor Adapter	1	246522	247522
29	Adapter Screws	6	417108	417141
30	Lockwasher	6	419047	419048
31+	Input Bearing Shim Pack	2 †	391164	390420
32	Carrier and Cover Screws	1	411408	411433
33	Lockwasher	1	419011	419012
34	Backstop Cover	1	246221	247221
38	Backstop Cover Screw	6	411404	411402
39	Lockwasher	6	419009	419009
40+	6B Hydroil			
	Input Pinion 25:1 Ratio	1	246521	247521
44	Input Shaft Bearing Cone	1	402196	402150
45	(Input Side) Cup	1	403091	403106
46	Input Shaft Bearing Cone	1	402197	402088
47	(Backstop Side) Cup	1	403091	403047
	Countershaft			
48	Assembly ★ 25:1 Ratio	1	391186	391197
	▲ Countershaft with Pinion	1	246294	247002
50+	▲ First Reduction 25:1 Ratio Gear	1	246293	247005
52+	▲ Key	2	245218	247218
54+	Countershaft Bearing Cone	1	402054	402256
55+	(Input Side) Cup	1	403159	403053
56+	Countershaft Bearing Cone	1	402052	402256
57+	(Backstop Side) Cup	1	403142	403053
58	Countershaft Bearing Cover (Input Side)	1	246185	247194
59+	C'shaft Bearing Shim Pack	2 †	391165	390429
	Output Hub Assembly ★	1	390988	390990
60+	▲ Output Hub	1	246338	247338
62+	▲ Output Gear	1	246295	247215
64+	▲ Output Gear Key	2	245217	245217
76	Output Hub Seal Carrier (Input Side)	1	246187	247315
77	Output Hub Seal Carrier (Backstop Side)	1	246186	247315
80+	Output Hub Cone	2	402050	402058
81+	Bearing Cup	2	403140	403111
82+	Output Hub Brg. Shim Pack	2 †	391187	390444
	Seal Kit ★			
35+	▲ Backstop Cover Gasket	1	246220	246220
42+	▲ Input Shaft Seal	1	246524	246524
78+	▲ Output Hub Seal	2	246310	247310
❖	RTV Sealant, Tube	1	465044	465044
84	Retainer Bolt	1	411552	411552
85	Lockwasher	1	419020	419020
86	Shaft Retainer	1	356047	356191
	Standard Adapter ★ or Adjustable Adapter	1	356055	356187
	▲ Standard Adapter	1	356154	356192
87	▲ Adjustable Adapter	1	356049	356189
❖	▲ Adjustable Adapter	1	356155	356193
88	▲ Bolt	4	411487	411496
90	▲ Lockwasher	4	419014	419016
92	▲ Lip Seal	1	355054	355054
❖	▲ Braided Seal	2	427687	427687
94	▲ Seal Retaining Ring	1	356054	356054
96	Drive 1 1/2" Dia.	1	356040	356180
	Shaft 2" Dia.	1	356041	356181
	2 7/16" Dia.	1	356042	356182
	3" Dia.	1	356043	356183
	3 7/16" Dia.	1	356044	356184
98	Key	1	443288	443289

★ Includes parts listed immediately below marked "★"

▲ Makes up assembly under which listed.

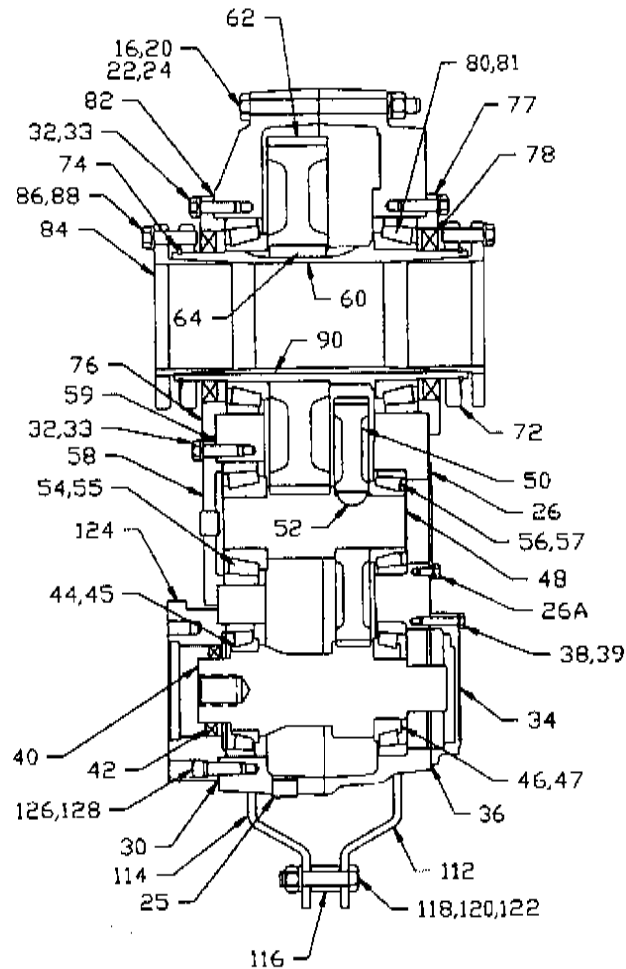
❖ Not shown on drawing.

• 18 required on HSCXT625 - 6B, 20 required on HSCXT7 - 6B.

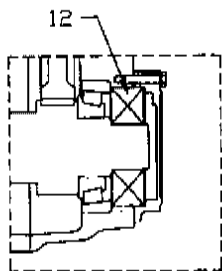
† See last paragraph under "Ordering Parts".

+ Recommended spare parts.

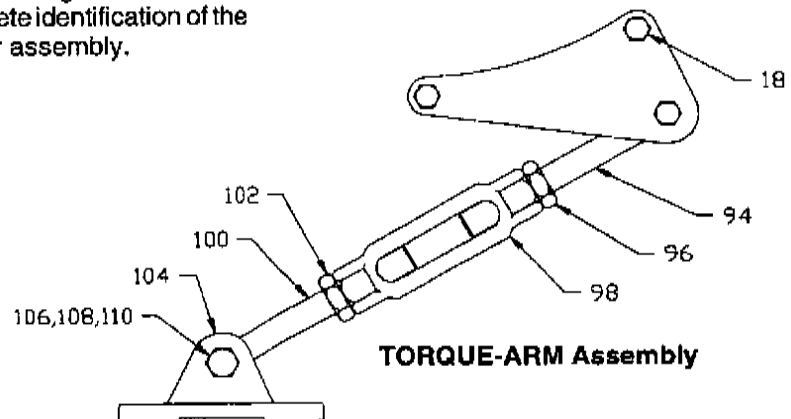
PARTS FOR HXT6 6B & HXT7 6B TAPER BUSHED HYDROIL SPEED REDUCERS



Note: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.



Backstop Assembly

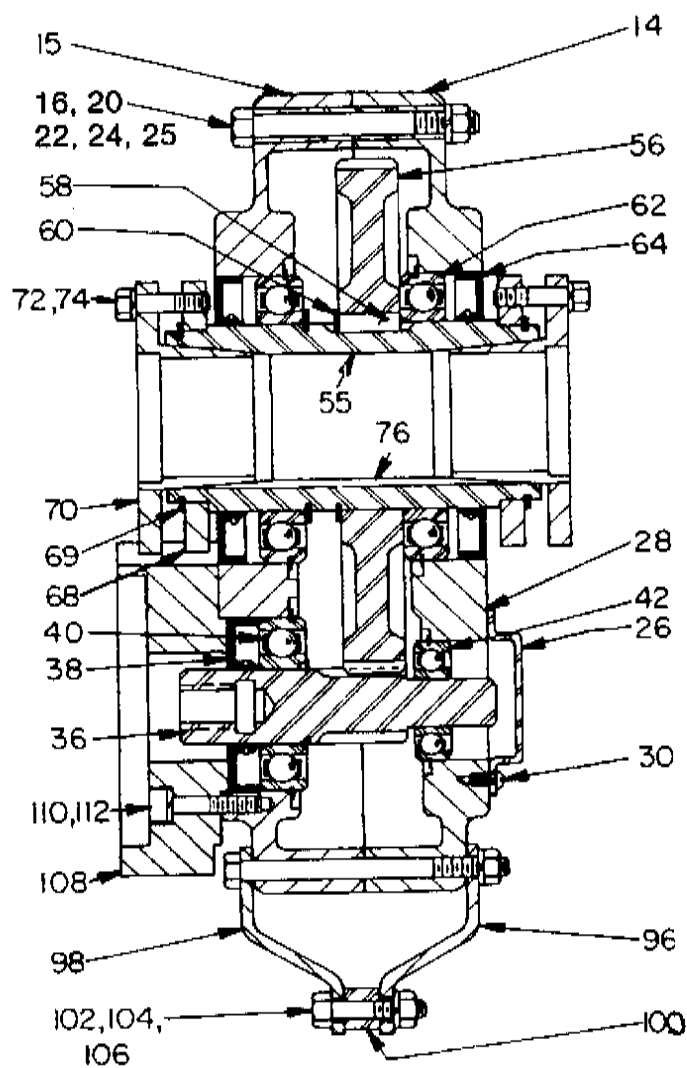


TORQUE-ARM Assembly

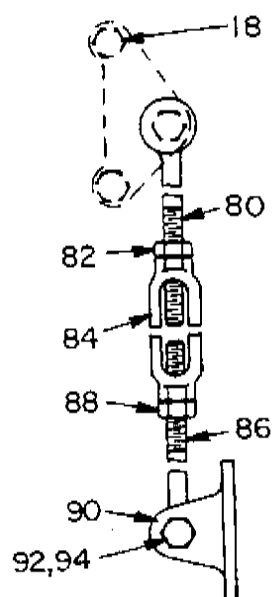
Reference	Name of Part	No. Req'd.	HXT6 Part No.	HXT7 Part No.	Reference	Name of Part	No. Req'd.	HXT6 Part No.	HXT7 Part No.
12	Backstop Assembly	1	246092	247260	82*	Output Hub Bearing Shim Pack	* ‡	391187	390444
14	HOUSING	1	246170	247180		.002" Thick	†	427470	427525
15						.005" Thick	†	427471	427527
16	Air Vent	1	245237	390061		.010" Thick	†	427472	427528
18	Housing Bolt	6	411466	411498		.025" Thick	†	427473	427558
20	Adapter Housing Bolt	2	411468	411499	84	BUSHING ASSEMBLY*			
22	Lockwasher	8	419013	419016		2 3/16" Bore	1	246261	.....
24	Hex Nut	8	407091	407095		2 1/4" Bore	1	246262	.....
26	Dowel Pin	2	420112	420128		2 7/16" Bore	1	246263	272125
28	Pipe Plug	2	430033	430035		2 1/2" Bore	1	246264	272149
30	Magnetic Plug	1	430062	430064		2 11/16" Bore	1	246265	272147
32	Countershaft Brg. Cover (Backstop Side)	1	246015	247011		2 13/16" Bore	1	.....	272130
34	Countershaft Cover Screws	6	411394	411394		2 7/8" Bore	1	246266	272131
36	Countershaft Cover Washers	6	419009	419009		2 15/16" Bore	1	246267	272132
38	Input Shaft Bearing Shim Pack	* ‡	391184	390420	86	*Bushing Screw	6	411435	411456
40	.002" Thick	†	427478	427578	88	*Lockwasher	6	419012	419013
42	.005" Thick	†	427479	427584		2 3/16" Bore	1	443211	.....
44	.010" Thick	†	427480	427604		2 1/4" Bore	1	443211	.....
46	.025" Thick	†	427481	427618		2 7/16" Bore	1	443214	443248
48	Carrier and Cover Screws	■	411408	411433	90	*Key	1	443214	443248
50	Lockwasher	■	419011	419012		Bushing to Shaft	1	443238	443248
52	Backstop Cover	1	246221	247221		2 11/16" Bore	1	.....	443199
54	Backstop Cover Gasket	1	246220	246220		2 13/16" Bore	1	443236	443199
56	Backstop Cover Screw	6	411404	411402		2 7/8" Bore	1	443237	443199
58	Lockwasher	6	419009	419009		2 15/16" Bore	1	443252	243216
60*	Input Shaft with Pinion 25:1 Ratio	1	246521	247521		3" Bore	1	.....	443235
62*	Input Shaft Seal	1	246524	246524	92	*Key, Bushing to Output Hub	1	443213	443217
64*	Input Shaft Brg. { Cone	1	402196	402150		2 3/16" Bore	1	.....	443218
66*	(Input Side) { Cup	1	403091	403106		2 7/16" through 2 1/2" Bore	1	443212	.....
68*	Input Shaft Brg. { Cone	1	402197	402088		2 7/16" through 3" Bore	1	.....	443198
70*	(Backstop Side) { Cup	1	403091	403047	94	TORQUE-ARM ASSEMBLY*	1	246097	247098
72	COUNTERSHAFT ASSEMBLY* 25:1 Ratio	1	391186	391197	96	*Rod End	1	245245	247239
74	Countershaft with Pinion	1	246294	247002	98	*Hex Nut	1	407097	407099
76	First Reduction Gear 25:1 Ratio	1	246293	247005	100	*Turnbuckle	1	245246	247246
78	Key	2	245218	247218	102	*Extension	1	245247	247240
80*	Countershaft Brg. { Cone	1	402054	402256	104	*L.H. Hex Nut	1	407246	407248
82*	(Input Side) { Cup	1	403159	403053	106	*Fulcrum	1	247248	247239
84*	Countershaft Brg. { Cone	1	402052	402256	108	*Fulcrum Screw	1	411489	411489
86*	(Backstop Side) { Cup	1	403142	403053	110	*Lockwasher	1	419014	409014
88	Countershaft Brg. Cover (Input Side)	1	246185	247194	112	*Hex Nut	1	407093	407093
90*	Countershaft Brg. Shim Pack	* ‡	391165	390429	114	ADAPTER ASSEMBLY*	1	.....	.....
92	.002" Thick	†	427474	427690	116	*R.H. Adapter Plate	1	246242	247242
94	.005" Thick	†	427475	427691	118	*L.H. Adapter Plate	1	246241	247241
96	.010" Thick	†	427476	427692	120	*Adapter Bushing	1	245243	247244
98	.025" Thick	†	427477	427693	122	*Adapter Bolt	1	411460	411485
100	OUTPUT HUB ASSEMBLY*				124	*Lockwasher	1	419013	419014
102	Taper Bushed	1	390935	390941	126	*Hex Nut	1	407091	407093
104	*Output Hub	1	246269	272137	128	Motor Adapter 25:1 Ratio	1	246522	247522
106	Taper Bushed	1	246295	247215	130	Adapter Screw	6	417108	417141
108	*Output Gear	2	241217	245217	132	Lockwasher	6	419047	419048
110	*Output Gear Key	1	421033	421038					
112	*Output Hub Snap Ring	1	421033	421038					
114	Bushing Back-up Plate	2	246270	272138					
116	Retaining Ring	4	421055	421099					
118	Output Hub Seal Carrier (Input Side)	1	246187	247315					
120	Output Hub Seal Carrier (Backstop side)	1	246186	247315					
122	Output Hub Seal	2	246302	247302					
124	Output Hub { Cone	2	402050	402058					
126	Bearing { Cup	2	403140	403111					

* Includes parts listed immediately below marked "A." HXT 6 & 7 housing assembly also includes a two-piece housing. Bushing assembly includes 2 bushings.
 A Parts marked "A" make up the assemblies under which they are listed.
 ‡ Not shown on drawing.
 † 1 set req'd. on size HXT6; 2 sets req'd. on size HXT7.
 ‡ One set consists of one each of the shims listed immediately below marked "†."
 † See last paragraph under "ORDERING PARTS."
 ■ 24 req'd. on HXT6; 28 req'd. on HXT7.
 * Recommended spare parts

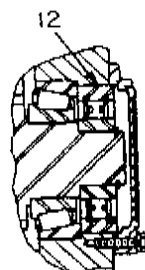
**PARTS FOR HXT105 6B through HXT205 6B TAPER BUSHED
HYDROIL SPEED REDUCERS**



Taper-Bushed



TORQUE-ARM Assembly



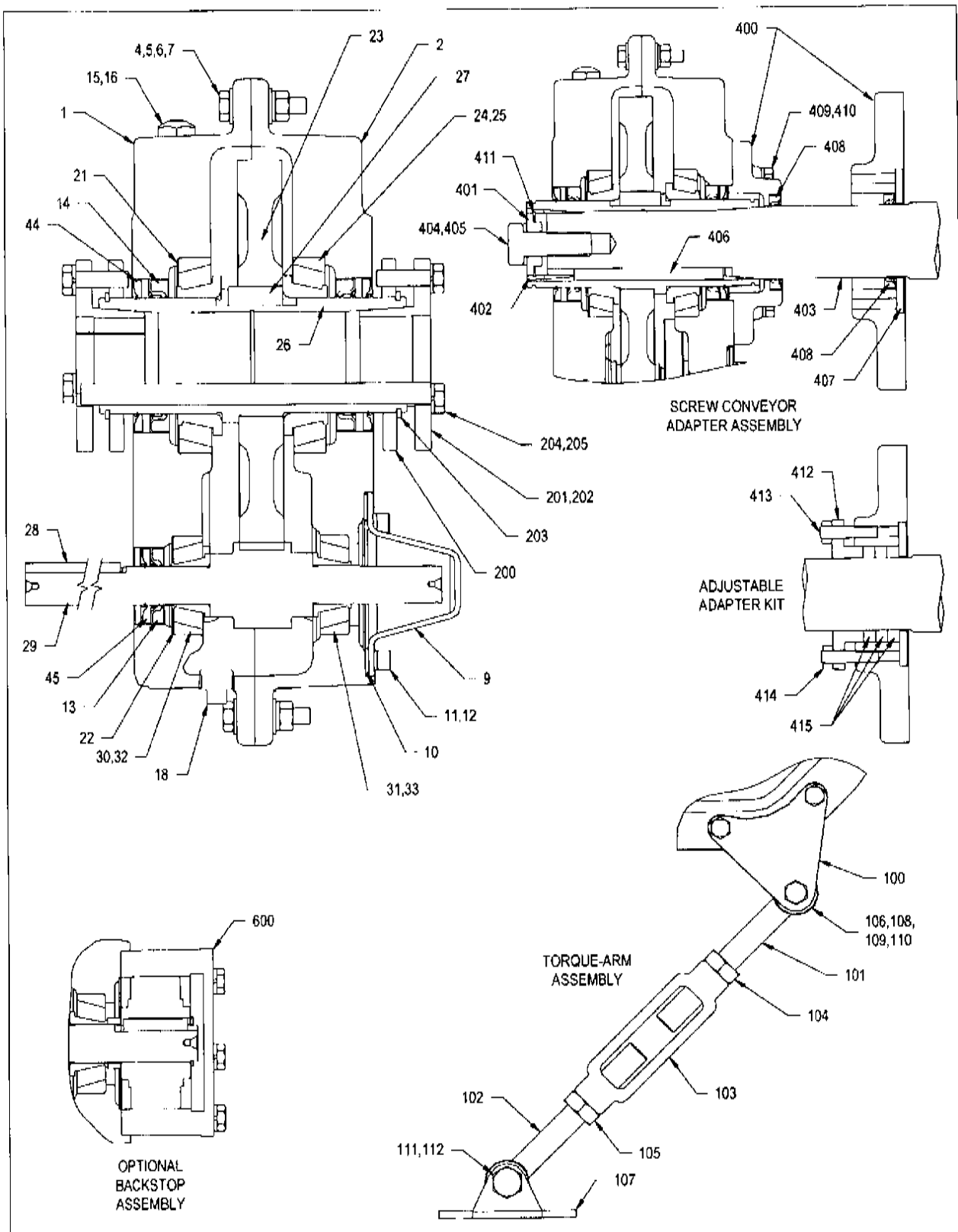
Backstop Assembly

Note: Reference Instruction Manual 499926 for Backstop Assembly Information.

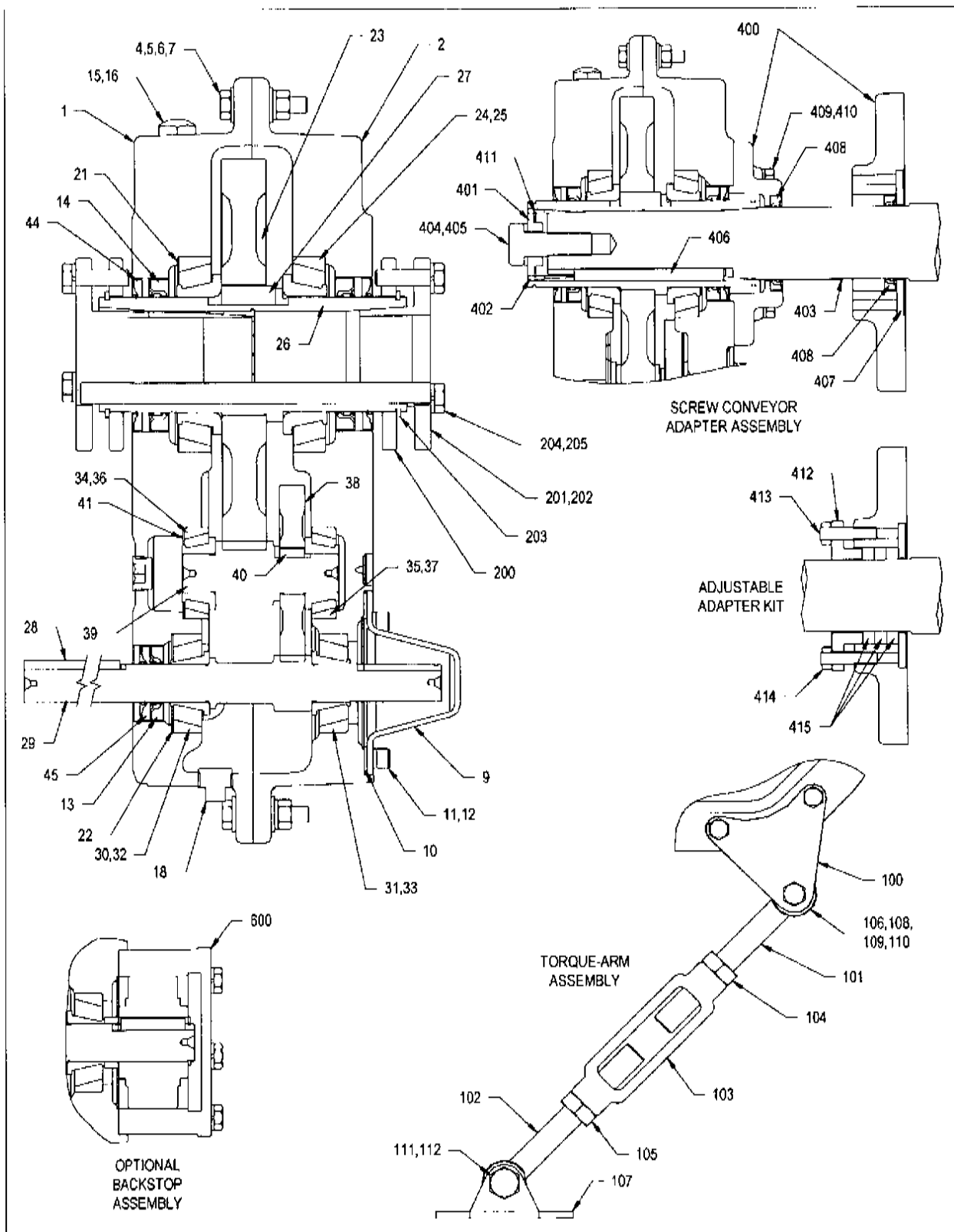
Note: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.

Reference	Name of Part	No. Req'd.	HXT105 Part No.	HXT205 Part No.	Reference	Name of Part	No. Req'd.	HXT105 Part No.	HXT205 Part No.
12	Backstop Assembly	1	242101	252101	76	1" Bore	1	443247	.....
14	HOUSING	1	241188	242196		1 1/16" Bore	1	443274	.....
15						1 1/8" Bore	1	443271	443281
16	Air Vent	1	241237	241237		1 3/16" Bore	1	241308	443281
18	Housing Bolt	1	411418	411418		1 1/4" Bore	1	241307	443281
18	Adapter - Housing Bolt	2	411420	411420		1 5/16" Bore	1	241306	443280
1	Washer	2	419092	419204		1 3/8" Bore	1	241310	443280
20	Lockwasher	1	419011	419011		1 7/16" Bore	1	241305	443282
22	Hex Nut	1	407087	407087		1 1/2" Bore	1	.....	443282
24	Dowel Pin	2	420092	420091		1 5/8" Bore	1	.....	242172
1	Pipe Plug	2	430031	430031		1 11/16" Bore	1	.....	242171
1	Magnetic Plug	1	430060	430060		1 3/4" Bore	1	.....	242170
25	Washer	2	419092	419204		1 7/8" Bore	1	.....	.....
26	Backstop Cover	1	242221	243221		1 15/16" Bore	1	.....	443283
30	Backstop Cover Screw	4	415022	415022		*Key, Bushing to Output Hub	1B	443272	443284
36	Input Shaft with Pinion	1	251141	252141		*Key, Bushing to Output Hub	1A	443273	.....
55*	OUTPUT HUB ASSEMBLY*				80	TORQUE ARM ASSEMBLY*	1	241097	243097
	Taper Bushed	1	390878	392111	82	*Rod End	1	241245	243245
	*Output Hub				84	*Hex Nut	1	407093	407095
	(Taper Bushed)	1	241265	242134	86	*Turnbuckle	1	241246	243246
56*	*Output Gear	1	241007	242181		*Extension	1	242247	243247
58*	*Output Gear Key	1	241217	443399	88	*L.H. Hex Nut	1	407242	407244
60*	*Output Hub Snap Ring	2	421013	421017	90	*Fulcrum	1	242249	243249
1	*Output Hub Key				92	*Fulcrum Screw	1	411456	411484
	(Max. Bore)	1	443037	443068	94	*Hex Nut	1	407091	407093
68	Bushing Back-up Plate	2	241266	242137	96	ADAPTER ASSEMBLY*	1	259151	259152
69	Retaining Ring	2	421111	421112	98	*R.H. Adapter Plate	1	241242	242136
70	1" Bore	1	241278	.....	100	*L.H. Adapter Plate	1	241241	242135
	1 1/16" Bore	1	241280	.....	102	*Adapter Bushing	1	242243	243243
	1 1/8" Bore	1	241282	242146	104	*Adapter Bolt	1	411412	411437
	1 3/16" Bore	1	241286	242148	106	*Lockwasher	1	419011	419012
	1 1/4" Bore	1	241288	242150		*Hex Nut	1	407087	407089
	1 5/16" Bore	1	241290	242152	108	Motor Adapter	1	251142	252142
	1 3/8" Bore	1	.....	242154	110	Adapter Screw	6	417081	417081
	1 7/16" Bore	1	241292	242156	112	Lockwasher	6	419046	419046
	1 1/2" Bore	1	.....	242158	40	BEARING KIT	1	389916	389911
	1 5/8" Bore	1	.....	242162		*Input Shaft Brg.	1	424137	424078
	1 11/16" Bore	1	.....	242164		*Input Shaft Brg. (Backstop)	1	424012	424000
	1 3/4" Bore	1	.....	242166		*Output Hub Brg.	2	424020	424022
	1 7/8" Bore	1	.....	.....	* Includes parts listed immediately below marked "*". Bushing assembly includes 2 bushings. † Parts marked "†" make up the assemblies under which they are listed. ‡ Not shown on drawing. † 4 req'd. on HXT105; 5 req'd. on HXT205. ‡ 6 req'd. on HXT105; 7 req'd. on HXT205. † On size HXT105 for 3/4" through 1" bores; HXT205 for 15/16" through 1 1/2" bores. ‡ On size HXT105 for 1 1/16" and 1 1/8" bores. * Recommended spare parts				
	1 15/16" Bore	1	.....	242168					
28	SEAL KIT*	1	392127	392128					
38	*Backstop Cover Gasket	1	242220	243220					
64	*Input Seal	1	251089	252063					
	*Output Seal	2	241210	242210					
72	*Bushing Screw	6	411405	411390					
74	*Lockwasher	6	419010	419010					

Parts for TA0107L thru TA7315H Taper Bushed Single Reduction Reducers



Parts for TA0107L thru TA12608H Taper Bushed Double Reduction Reducers



Parts for TA0107L thru TA5215H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
1	Housing-LH	1	900202	901202	902202	903202	904202	905202
2	Housing-RH	1	900203	901203	902203	903203	904203	905203
3	RTV Sealant, Tube	1	465044	465044	465044	465044	465044	465044
4	Housing Bolt	14	411253	411253	411412	411412	411460	411460
5	Flat Washer	28	900241	900241	902241	902241	904241	904241
6	Nut	14	407085	407085	407087	407087	407091	407091
7	Lock-Washer	14	419010	419010	419011	419011	419013	419013
8	Dowel Pin	2	901248	901248	304624	901248	304624	304624
9	Backstop Shaft Cover	1	901279	901279	901279	903279	904279	905279
10	Backstop Cover Gasket	1	901280	901280	901280	903280	904280	905280
11	Backstop Cover Screw	6	417038	417038	417038	417038	417038	417074
12	Lock-Washer	6	419045	419045	419045	419045	419045	419046
13	Input Oil Seal							
	5:1, 9:1, 15:1	1	276173	276173	276285	276280	A73108	905266
	25:1 Ratio	1	276173	276173	276285	276280	A73108	905266
	40:1 Ratio	1	276173	276173	276173	242281	A73108	905266
14	Output Oil Seal	2	900286	901286	902286	A73109	904286	905286
15	Air Vent	1	241237	241237	241237	241237	245237	245237
16	Bushing	1	N/A	N/A	N/A	N/A	430079	430079
17	Oil Plug	4	430031	430031	430031	430031	430035	430035
18	Magnetic Oil Plug	1	430060	430060	430060	430060	430064	430064
21	Output Bearing Shim-As Req'd							
	.015" Shim		900263	901263	902263	903263	904263	905263
	.007" Shim		900265	901265	902265	903265	904265	905265
	.005" Shim		900264	901264	902264	903264	904264	905264
22	Input Bearing Shim-As Req'd							
	.015" Shim		901267	901271	902271	903267	903267	905271
	.007" Shim		901269	901273	902273	903269	903269	905273
	.005" Shim		901268	901272	902272	903268	903268	905272
41	Counter-Shaft Bearing Shim-As Req'd							
	.015" Shim		900271	901271A	901271	903267	903267	905271
	.007" Shim		900272	901273A	901273	903269	903269	905273
	.005" Shim		900273	901272A	901272	903268	903268	905272
23	Output Gear	1	900208	901208	902208	903208	904208	905208
26	Output Hub	1	900230	901230	902230	903230	904230	905230
27	Output Gear Key	1	900275	901275	901275	903275	904275	905275
28	Input Pinion Key							
	5:1, 9:1, 15:1, 25:1 Ratio	1	443634	443634	902277	903277	904277	905277
	40:1 Ratio	1	443634	443634	902277	903298	904277	905277
29	Input Pinion							
	5:1 Ratio	1	900222A	901222A	902222	903222	904222	905222
	9:1 Ratio	1	900221A	901221A	902221	903221	904221	905221
	15:1 Ratio	1	900220A	901220A	902220	903220	904220	905220
	25:1 Ratio	1	900219A	901219A	902219	903219	904219	905219
	40:1 Ratio	1	900218A	901218A	902218	903218	904218	905218
38	First Stage Gear							
	9:1 Ratio	1	900217	901217	902217	903217	904217	905217
	15:1 Ratio	1	900215	901215	902215	903215	904215	905215
	25:1 Ratio	1	900213	901213	902213	903213	904213	905213
	40:1 Ratio	1	900211	901211	902211	903211	904211	905211
39	Counter-Shaft Pinion	1	900209	901209	902209	903209	904209	905209
40	First Stage Gear Key	1	900276	901276	902276	903276	904276	905276
600	Backstop Assembly							
	5:1, 9:1, 15:1, 25:1 Ratio	1	901102	901102	902102	903102	904102	905102
	40:1 Ratio	1	901102	901102	902102	903102	904103	905103
100	Torque-Arm Adapter Bracket	2	900500	901500	902500	903500	904500	905500
	Torque-Arm Rod Kit	1	241244	241244	242244	242244	244245	244245
101	▲ Torque-Arm Rod End	1	241245	241245	243245	243245	245245	245245
102	▲ Torque-Arm Extension	1	241247	241247	243247	243247	245247	245247
103	▲ Torque-Arm Turnbuckle	1	241246	241246	243246	243246	245246	245246
104	▲ RH Nut	1	407093	407093	407095	407095	407097	407097
105	▲ LH Nut	1	407242	407242	407244	407244	407246	407246
106	Torque-Arm Bushing	1	242243	242243	243243	243243	245243	245243
107	Torque-Arm Fulcrum	1	241249	241249	243249	243249	246249	246249
108	Torque-Arm Bolt	1	411412	411412	411437	411437	411460	411460
109	Torque-Arm Lock-Washer	1	419011	419011	419012	419012	419013	419013

Parts for TA1107H thru TA5215H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
110	Torque-Arm Nut	1	407087	407087	407089	407089	407091	407091
111	Torque-Arm Bolt	1	411456	411456	411484	411484	411484	411484
112	Torque-Arm Nut	1	407091	407091	407093	407093	407093	407093
113	Lock-washer	1	N/A	N/A	N/A	N/A	N/A	N/A
200	Bushing Back-Up Plate	2	241266	901301	243308	903301	904301	905301
203	Retaining Ring	2	421111	901304	421109	903304	421107	421055
204	Bushing Cap Screw	6	411405	411390	902306	411408	411408	411456
205	Bushing Lock-Washer	6	419010	419010	419011	419011	419011	419013
24	Output Bearing Cup	2	900250	901250	403003	903252	403016	403140
25	Output Bearing Cone	2	900251	901251	402003	402268	402193	402050
30	Input Bearing Cup-LH							
	5:1 Ratio ⚙	1	403166	402169	403094	304809	304809	403005
	9:1 Ratio ⚙	1	403166	402169	403094	304809	304809	403005
	15:1 Ratio ⚙	1	403166	402169	403094	304809	304809	403005
	25:1 Ratio ⚙	1	403166	402169	403094	304809	304809	403005
	40:1 Ratio ⚙	1	403166	402169	403094	403101	304809	403005
31	Input Bearing Cup-RH							
	5:1 Ratio ⚙	1	403165	403063	403094	403101	904256	403005
	9:1 Ratio ⚙	1	403165	403063	403094	403101	904256	403005
	15:1 Ratio ⚙	1	403165	403063	403094	403101	904256	403005
	25:1 Ratio ⚙	1	403165	403063	403094	403101	904256	403005
	40:1 Ratio ⚙	1	403165	403063	403094	403101	904256	403005
32	Input Bearing Cone-LH							
	5:1 Ratio ⚙	1	402284	402294	304753	411626-05-K	411626-05-K	402001
	9:1 Ratio ⚙	1	402284	402294	304753	411626-05-K	411626-05-K	402001
	15:1 Ratio ⚙	1	402284	402294	304753	411626-05-K	411626-05-K	402001
	25:1 Ratio ⚙	1	402284	402294	304753	411626-05-K	411626-05-K	304717
	40:1 Ratio ⚙	1	402284	402294	304707	402271	411626-05-K	304717
33	Input Bearing Cone-RH							
	5:1 Ratio ⚙	1	402265	402108	304707	402271	904257	402001
	9:1 Ratio ⚙	1	402265	402108	304707	402271	904257	402001
	15:1 Ratio ⚙	1	402265	402108	304707	402271	904257	402001
	25:1 Ratio ⚙	1	402265	402108	304707	402271	904257	402001
	40:1 Ratio ⚙	1	402265	402108	304707	402271	904258	411626-05-V
34	Counter-Shaft Bearing Cup-LH	1	304833	403165	304836	403101	304809	403005
35	Counter-Shaft Bearing Cup-RH	1	304833	403165	304836	403101	304809	403005
36	Counter-Shaft Bearing Cone-LH	1	304740	402265	411626-05-B	402271	304710	402001
37	Counter-Shaft Bearing Cone-RH	1	304740	402265	411626-05-B	402271	304710	402001
44	Auxiliary Output Seal	2	900236	901236	902236	903236	904236	905236
45	Auxiliary Input Seal							
	5:1, 9:1, 15:1, 25:1 Ratio ⚙	1	442023	442023	902238	903238	904238	905238
	40:1 Ratio ⚙	1	442023	442023	442023	-----	904238	905238
400	Screw Conveyor Adapter	1	900401	901401	902401	903401	904401	905401
401	Screw Conveyor Keeper Plate	1	900402	901402	902402	903402	904402	905402
402	Screw Conveyor Wedge	1	900403	901403	902403	903403	904403	905403
403	Screw Conveyor Drive Shaft							
	1-1/2" Shaft	1	900421	901421	902421	903421	N/A	N/A
	1-1/2" Shaft, Stainless Steel	1	900429	901429	902429	903429	N/A	N/A
	2" Shaft	1	900422	901422	902422	903422	904422	905422
	2" Shaft, Stainless Steel	1	900430	901430	902430	903430	904430	905430
	2-7/16" Shaft	1	900423	901423	902423	903423	904423	905423
	2-7/16" Shaft, Stainless Steel	1	900431	901431	902431	903431	904431	905431
	3" Shaft	1	900424	901424	902424	903424	904424	905424
	3" Shaft, Stainless Steel	1	900432	901432	902432	903432	904432	905432
	3-7/16" Shaft	1	N/A	N/A	N/A	N/A	904425	905425
	3-7/16" Shaft, Stainless Steel	1	N/A	N/A	N/A	N/A	904433	905433
404	Retaining Bolt	1	411549	411549	411549	411551	411551	411551
405	Lock-Washer	1	419014	419014	419014	419016	419016	419016
406	Drive Shaft Key	1	900405	901405	902405	903405	904405	905405
407	Drive Shaft Washer	1	900404	901404	902404	903404	904404	905404
408	Seal	2	900411	901411	902411	353085	904411	905411
409	Bolt	4	411410	411410	411435	411456	411456	411483
410	Lock-Washer	4	419011	419011	419012	419013	419013	419014
411	Retaining Ring	1	900406	901406	902406	903406	904406	905406

Parts for TA0107L thru TA5215H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
412	Adjustable Packing Retainer	1	900413	901413	902413	903413	904413	905413
413	Adjustable Packing Gland Stud	2	400404	400404	400404	400404	400404	400404
414	Adjustable Packing Gland Nut	2	407202	407202	407202	407202	407202	407202
415	Sealing Rings	3	900416	901416	902416	903416	904416	905416

Notes:

- § Not shown on drawing.
- ★ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ♣ 8 required on TA5215H.
- ♣ See Table 12 for actual ratio.

Parts for TA6307H thru TA12608H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA6307H	TA7315H	TA8407H	TA9415H	TA10507	TA12608
1	Housing-LH	1	906202	907202	908202	909202	910202	912202
2	Housing-RH	1	906203	907203	908203	909203	910203	912203
3	RTV Sealant, Tube	1	465044	465044	465044	465044	465044	465044
4	Housing Bolt	14 ♦	411460	411468	411488	411488	411488	411496
5	Flat Washer	28 ♥	904241	907241	907241	907241	910241	910241
6	Nut	14 ♦	407091	407093	407093	407093	407095	407095
7	Lock-Washer	14 ♦	419013	419014	419014	419014	419016	419016
8 §	Dowel Pin	2	304624	304624	304624	304624	304624	304624
9	Backstop Shaft Cover	1	906279	907279	908279	907279	910279	912279
10	Backstop Cover Gasket	1	906280	907280	908280	907280	910280	912280
11	Backstop Cover Screw	6 ♣	417074	907281	417074	907281	907281	907281
12	Lock-Washer	6 ♣	419046	419047	419046	419047	419047	419047
13	Input Oil Seal							
	5:1, 9:1 ♣	1	901286	907266	N/A	N/A	N/A	N/A
	15:1 ♣	1	901286	907266	907266	907266	902286	902286
	25:1 Ratio ♣	1	901286	907266	907266	907266	902286	902286
	40:1 Ratio ♣	1	901286	907266	907266	907266	902286	902286
14	Output Oil Seal	2	906286	907286	907286	909286	910286	912286
15	Air Vent	1	245237	245237	245237	245237	245237	245237
16	Bushing	1	430079	430079	430079	430079	430079	430079
17 §	Oil Plug	4	430035	430035	430035	430035	430035	430035
18	Magnetic Oil Plug	1	430064	430064	430064	430064	430064	430064
21	Output Bearing Shim-As Req'd							
	.015" Shim		906263	907263	907263	909263	910263	912263
	.007" Shim		906265	907265	907265	909265	910265	912265
	.005" Shim		906264	907264	907264	909264	910264	912264
22	Input Bearing Shim-As Req'd							
	.015" Shim		906271	907271	903263	909267	910267	910267
	.007" Shim		906273	907273	903265	909269	910269	910269
	.005" Shim		906272	907272	903264	909268	910268	910268
41	Counter-Shaft Bearing Shim-As Req'd							
	.015" Shim		906271	906271	908267	909267	904263	912267
	.007" Shim		906273	906273	908269	909269	909265	912269
	.005" Shim		906272	906272	908268	909268	904264	912268
23	Output Gear	1	906208	907208	908208	909208	910208	912208
26	Output Hub	1	906230	907230	908230	909230	910230	912230
27	Output Gear Key	1 ♣	906275	907275	908275	909275	910275	912275
28	Input Pinion Key							
	5:1, 9:1 ♣	1	906277	907277	N/A	N/A	N/A	N/A
	15:1, 25:1 Ratio ♣	1	906277	907277	908277	909277	909277	909277
	40:1 Ratio ♣	1	906277	907277	908277	909277	909277	909277
29	Input Pinion							
	5:1 Ratio ♣	1	906222	907222	N/A	N/A	N/A	N/A
	9:1 Ratio ♣	1	906221	907221	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	906220	907220	908220	909220	910220	912220
	25:1 Ratio ♣	1	906219	907219	908219	909219	910219	912219
	40:1 Ratio ♣	1	906218	907218	908218	909218	910218	912218
38	First Stage Gear							
	9:1 Ratio ♣	1	906217	907217	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	906215	907215	908215	909215	910215	912215
	25:1 Ratio ♣	1	906213	907213	908213	909213	910213	912213
	40:1 Ratio ♣	1	906211	907211	908211	909211	910211	912211
39	Counter-Shaft Pinion	1	906209	907209	908209	909209	910209	912209
40	First Stage Gear Key	1	906276	907276	908276	909276	910276	912276
600	Backstop Assembly							
	5:1, 9:1 ♣	1	906102	907102	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	906102	907102	908102	909102	910102	912102
	25:1 Ratio ♣	1	906103	907102	908102	909102	910102	912102
	40:1 Ratio ♣	1	906103	907103	908103	907103	910103	912103
100	Torque-Arm Adapter Bracket	2	906500	907500	907500	909500	910500	912500
	Torque-Arm Rod Kit ★	1	247238	248240	248240	272416	272416	
101	▲ Torque-Arm Rod End	1	247239	271050	271050	272050	272050	272151
102	▲ Torque-Arm Extension	1	247240	271052	271052	272052	272052	272153
103	▲ Torque-Arm Tumbuckle	1	247246	271051	271051	272051	272051	272152
104	▲ RH Nut	1	407099	407104	407104	407108	407108	407110

Parts for TA6307H thru TA12608H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA6307H	TA7315H	TA8407H	TA9415H	TA10507H	TA12608H
105	▲ LH Nut	1	407248	407250	407250	407251	407251	407111
106	Torque-Arm Bushing	1	247244	271046	271046	272046	272046	272187
107	Torque-Arm Fulcrum	1	247248	271054	271054	272054	272054	272154
108	Torque-Arm Bolt	1	411489	411510	411510	411520	411520	411527
109	Torque-Arm Lock-Washer	1	419014	419020	419020	419024	419024	419025
110	Torque-Arm Nut	1	407093	407099	407099	407104	407104	407108
111	Torque-Arm Bolt	1	411489	411516	411516	419524	411524	411528
112	Torque-Arm Nut	1	407093	407099	407099	407104	407104	407108
113	Lock-washer	1	419014	419020	419020	419024	419024	419025
200	Bushing Back-Up Plate	2	906301	272037	908301	909301	910301	912301
203	Retaining Ring	2	906304	421098	908304	909304	910304	912304
204	Bushing Cap Screw	6 *	411456	411457	411457	411484	411484	411484
205	Bushing Lock-Washer	6 *	419013	419013	419013	419014	419014	419014
24	Output Bearing Cup	2	906250	403105	403105	403110	910250	912250
25	Output Bearing Cone	2	906251	402147	402147	402160	910251	912251
30	Input Bearing Cup-LH							
	5:1 Ratio ♣	1	403026	304802	N/A	N/A	N/A	N/A
	9:1 Ratio ♣	1	403026	304802	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	403026	304802	908259	403036	402231	402231
	25:1 Ratio ♣	1	403026	304802	908259	403036	402231	402231
	40:1 Ratio ♣	1	403026	304802	908259	403036	402231	402231
31	Input Bearing Cup-RH							
	5:1 Ratio ♣	1	403026	403159	N/A	N/A	N/A	N/A
	9:1 Ratio ♣	1	403026	403159	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	403026	403159	908256	411626-06-BE	411626-06-BE	403036
	25:1 Ratio ♣	1	403026	403159	908256	411626-06-BE	411626-06-BE	403036
	40:1 Ratio ♣	1	403026	403159	304804	304804	304804	403036
32	Input Bearing Cone-LH							
	5:1 Ratio ♣	1	906260	402041	N/A	N/A	N/A	N/A
	9:1 Ratio ♣	1	906260	402041	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	906260	402041	908260	304701	402232	402232
	25:1 Ratio ♣	1	906260	402041	908260	304701	402232	402232
	40:1 Ratio ♣	1	906260	402041	908260	304701	402232	402232
33	Input Bearing Cone-RH							
	5:1 Ratio ♣	1	906260	907260	N/A	N/A	N/A	N/A
	9:1 Ratio ♣	1	906260	907260	N/A	N/A	N/A	N/A
	15:1 Ratio ♣	1	906260	907260	908257	411626-05-BM	411626-05-BM	304701
	25:1 Ratio ♣	1	906257	907260	908257	411626-05-BM	411626-05-BM	304701
	40:1 Ratio ♣	1	906257	402054	908258	908258	908258	912258
34	Counter-Shaft Bearing Cup-LH	1	403026	403159	411626-06-BE	403036	403087	402233
35	Counter-Shaft Bearing Cup-RH	1	403026	403159	411626-06-BE	403036	403087	402233
36	Counter-Shaft Bearing Cone-LH	1	906257	907260	411626-05-BM	304701	402023	912253
37	Counter-Shaft Bearing Cone-RH	1	906257	907260	908253	304701	402023	912253
44	Auxiliary Output Seal	2	906236	907236	907236	909236	910236	912236
45	Auxiliary Input Seal							
	5:1, 9:1 Ratio ♣	1	901236	907238	N/A	N/A	N/A	N/A
	15:1, 25:1 Ratio ♣	1	901236	907238	907238	907238	902236	902236
	40:1 Ratio ♣	1	901236	907238	907238	907238	902236	902236
400	Screw Conveyor Adapter	1	906401	907401	N/A	N/A	N/A	N/A
401	Screw Conveyor Keeper Plate	1	906402	907402	N/A	N/A	N/A	N/A
402	Screw Conveyor Wedge	1	906403	907403	N/A	N/A	N/A	N/A
403	Screw Conveyor Drive Shaft							
	2-7/16" Shaft	1	906423	907423	N/A	N/A	N/A	N/A
	2-7/16" Shaft, Stainless Steel	1	906431	907431	N/A	N/A	N/A	N/A
	3" Shaft	1	906424	907424	N/A	N/A	N/A	N/A
	3" Shaft, Stainless Steel	1	906432	907432	N/A	N/A	N/A	N/A
	3-7/16" Shaft	1	906425	907425	N/A	N/A	N/A	N/A
	3-7/16" Shaft, Stainless Steel	1	906433	907433	N/A	N/A	N/A	N/A
404	Retaining Bolt	1	411552	411552	N/A	N/A	N/A	N/A
405	Lock-Washer	1	419020	419020	N/A	N/A	N/A	N/A
406	Drive Shaft Key	1	906405	907405	N/A	N/A	N/A	N/A
407	Drive Shaft Washer	1	906404	907404	N/A	N/A	N/A	N/A
408	Seal	2	906411	907411	N/A	N/A	N/A	N/A

Parts for 6307H thru TA12608H Taper Bushed Double and Single Reduction Reducers

Ref.	Description	Qty.	TA6307H	TA7315H	TA8407H	TA9415H	TA10507H	TA12608H
409	Bolt	4	411983	411493	N/A	N/A	N/A	N/A
410	Lock-Washer	4	419016	419016	N/A	N/A	N/A	N/A
411	Retaining Ring	1	906406	907406	N/A	N/A	N/A	N/A
412	Adjustable Packing Retainer	1	906413	907413	N/A	N/A	N/A	N/A
413	Adjustable Packing Gland Stud	2	400404	400404	N/A	N/A	N/A	N/A
414	Adjustable Packing Gland Nut	2	407202	407202	N/A	N/A	N/A	N/A
415	Sealing Rings	3	906416	907416	N/A	N/A	N/A	N/A

Notes:

- § Not shown on drawing.
- ★ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ◆ 8 required on TA5215H, TA6307H, TA7315H, TA8407H, and TA9415H, 12 required on TA10507 and TA12608H.
- ◆ See Table 12 for actual ratio.
- ◆ 18 required on TA9415H, 20 required on TA10507H, 22 required on TA12608H.
- ♥ 36 required on TA9415H, 40 required on TA10507H, 44 required on TA12608H.
- 2 required on TA7315H, TA8407H, TA9415H, and TA10507H
- * 8 required on TA12608H.

ACTUAL RATIOS

Table 12 – Actual Ratios

Reducer Size	Nominal Ratios				
	5:1	9:1	15:1	25:1	40:1
TA0107L	5.200	9.000	14.928	25.091	30.942
TA1107H	5.000	8.990	14.912	25.064	30.909
TA2115H	5.200	9.103	15.619	25.067	33.333
TA3203H	4.913	9.234	15.067	24.954	32.451
TA4207H	5.000	9.231	15.000	25.125	39.107
TA5215H	5.105	9.183	14.923	24.996	38.907
TA6307H	4.944	9.215	15.451	24.868	38.319
TA7315H	5.188	9.716	14.914	24.837	39.656
TA8407H	N/A	N/A	15.120	24.965	39.667
TA9415H	N/A	N/A	15.103	25.435	39.406
TA10507H	N/A	N/A	15.092	25.184	39.676
TA12608H	N/A	N/A	14.788	25.025	38.188

Parts for TA0107L thru TA5215H Taper Bushed 20:1 Double Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
1	Housing-LH	1	900202	901202	902202	903202	904202	905202
2	Housing-RH	1	900203	901203	902203	903203	904203	905203
3	RTV Sealant, Tube	1	465044	465044	465044	465044	465044	465044
4	Housing Bolt	14	411253	411253	411412	411412	411460	411460
5	Flat Washer	28	900241	900241	902241	902241	904241	904241
6	Nut	14	407085	407085	407087	407087	407091	407091
7	Lock-Washer	14	419010	419010	419011	419011	419013	419013
8	Dowel Pin	2	901248	901248	304624	901248	304624	304624
9	Backstop Shaft Cover	1	901279	901279	901279	903279	904279	905279
10	Backstop Cover Gasket	1	901280	901280	901280	903280	904280	905280
11	Backstop Cover Screw	6	417038	417038	417038	417038	417038	411051
12	Lock-Washer	6	419045	419045	419045	419045	419045	419046
13	Input Oil Seal							
	20:1 Ratio	1	276173	276173	276285	276280	A73108	905266
14	Output Oil Seal	2	900286	901286	902286	A73109	904286	905286
15	Air Vent	1	241237	241237	241237	241237	245237	245237
16	Bushing	1	N/A	N/A	N/A	N/A	430079	430079
17	Oil Plug	4	430031	430031	430031	430031	430035	430035
18	Magnetic Oil Plug	1	430060	430060	430060	430060	430064	430064
21	Output Bearing Shim-As Req'd							
	.015" Shim		900263	901263	902263	903263	904263	905263
	.005" Shim		900264	901264	902264	903264	904264	905264
	.002" Shim		900265	901265	902265	903265	904265	905265
22	Input Bearing Shim-As Req'd							
	.015" Shim		901267	901271	902271	903267	903271	905271
	.005" Shim		901268	901272	902272	903268	903272	905272
	.002" Shim		901269	901273	902273	903269	903273	905273
41	Counter-Shaft Bearing Shim-As Req'd							
	.015" Shim		900267	901267	901271	903267	903271	905271
	.005" Shim		900268	901268	901272	903268	903272	905272
	.002" Shim		900269	901269	901273	903269	903273	905273
23	Output Gear	1	900208	901208	902208	903208	904208	905208
26	Output Hub	1	900230	901230	902230	903230	904230	905230
27	Output Gear Key	1	900275	901275	901275	903275	904275	905275
28	Input Pinion Key							
	20:1 Ratio	1	901277	901277	902277	903277	904277	905277
29	Input Pinion							
	20:1 Ratio	1	963081	963083	963085	963087	963089	963091
38	First Stage Gear							
	20:1 Ratio	1	963080	963082	963084	963086	963088	963090
39	Counter-Shaft Pinion	1	900209	901209	902209	903209	904209	905209
40	First Stage Gear Key	1	900276	901276	902276	903276	904276	905276
600	Backstop Assembly 20:1 Ratio	1	901102	901102	902102	903102	904102	905102
100	Torque-Arm Adapter Bracket	2	900500	901500	902500	903500	904500	905500
	Torque-Arm Rod Kit ★	1	241244	241244	242244	242244	244475	244475
101	▲ Torque-Arm Rod End	1	241245	241245	243245	243245	245245	245245
102	▲ Torque-Arm Extension	1	241247	241247	243247	243247	245247	245247
103	▲ Torque-Arm Turnbuckle	1	241246	241246	243246	243246	245246	245246
104	▲ RH Nut	1	407093	407093	407095	407095	407097	407097
105	▲ LH Nut		407242	407242	407244	407244	407246	407246
106	Torque-Arm Bushing	1	242242	242243	243243	243243	245243	245243
107	Torque-Arm Fulcrum	1	241249	241249	243249	243249	246249	246249
108	Torque-Arm Bolt	1	411412	411412	411437	411437	411460	411460
109	Torque-Arm Lock-Washer	1	419011	419011	419012	419012	419013	419013
110	Torque-Arm Nut	1	407087	407087	407089	407089	407091	407091
111	Torque-Arm Bolt	1	411456	411456	411484	411484	411484	411484
112	Torque-Arm Nut	1	407091	407091	407093	407093	407093	407093
200	Bushing Back-Up Plate	2	241266	901301	243308	903301	904301	905301
203	Retaining Ring	2	421111	901304	421109	903304	421107	421055

Parts for TA1107H thru TA5215H Taper Bushed 20:1 Double Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
204	Bushing Cap Screw	6	411405	411390	902306	411408	411409	411456
205	Bushing Lock-Washer	6	419010	419010	419011	419011	419011	419013
24	Output Bearing Cup	2	900250	901250	403003	903252	403016	403140
25	Output Bearing Cone	2	900251	901251	402003	402268	402193	402050
30	Input Bearing Cup-LH							
	20:1 Ratio ♣	1	403165	403063	403094	304809	304809	403005
31	Input Bearing Cup-RH							
	20:1 Ratio ♣	1	403165	403063	403094	403101	904256	403005
32	Input Bearing Cone-LH							
	20:1 Ratio ♣	1	402265	402108	304753	411626-05-K	411626-05-K	304717
33	Input Bearing Cone-RH							
	20:1 Ratio ♣	1	402265	402108	304707	402271	904257	402001
34	Counter-Shaft Bearing Cup-LH	1	304833	403165	304836	403101	304809	403005
35	Counter-Shaft Bearing Cup-RH	1	304833	403165	304836	403101	304809	403005
36	Counter-Shaft Bearing Cone-LH	1	304740	402265	411626-05-B	402271	304710	402001
37	Counter-Shaft Bearing Cone-RH	1	304740	402265	411626-05-B	402271	304710	402001
44	Auxiliary Output Seal	2	900236	901236	902236	903236	904236	905236
45	Auxiliary Input Seal							
	20:1 Ratio ♣	1	901238	901238	902238	903238	904238	905238
400	Screw Conveyor Adapter	1	900401	901401	902401	903401	904401	905401
401	Screw Conveyor Keeper Plate	1	900402	901402	902402	903402	904402	905402
402	Screw Conveyor Wedge	1	900403	901403	902403	903403	904403	905403
403	Screw Conveyor Drive Shaft							
	1-1/2" Shaft	1	900421	901421	902421	903421	N/A	N/A
	1-1/2" Shaft, Stainless Steel	1	900429	901429	902429	903429	N/A	N/A
	2" Shaft	1	900422	901422	902422	903422	904422	905422
	2" Shaft, Stainless Steel	1	900430	901430	902430	903430	904430	905430
	2-7/16" Shaft	1	900423	901423	902423	903423	904423	905423
	2-7/16" Shaft, Stainless Steel	1	900431	901431	902431	903431	904431	905431
	3" Shaft	1	900424	901424	902424	903424	904424	905424
	3" Shaft, Stainless Steel	1	900432	901432	902432	903432	904432	905432
	3-7/16" Shaft	1	N/A	N/A	N/A	N/A	904425	905425
	3-7/16" Shaft, Stainless Steel	1	N/A	N/A	N/A	N/A	904433	905433
404	Retaining Bolt	1	411549	411549	411549	411551	411551	411551
405	Lock-Washer	1	419014	419014	419014	419016	419016	419016
406	Drive Shaft Key	1	900405	901405	902405	903405	904405	905405
407	Drive Shaft Washer	1	900404	901404	902404	903404	904404	905404
408	Seal	2	901411	901411	902411	353085	904411	905411
409	Bolt	4	411410	411410	411435	411456	411456	411483
410	Lock-Washer	4	419011	419011	419012	419012	419013	419014
411	Retaining Ring	1	900406	901406	902406	903406	904406	905406
412	Adjustable Packing Retainer	1	900413	901413	902413	903413	904413	905413
413	Adjustable Packing Gland Stud	2	400404	400404	400404	400404	400404	400404
414	Adjustable Packing Gland Nut	2	407202	407202	407202	407202	407202	407202
415	Sealing Rings	3	900416	901416	902416	903416	904416	905416

Notes:

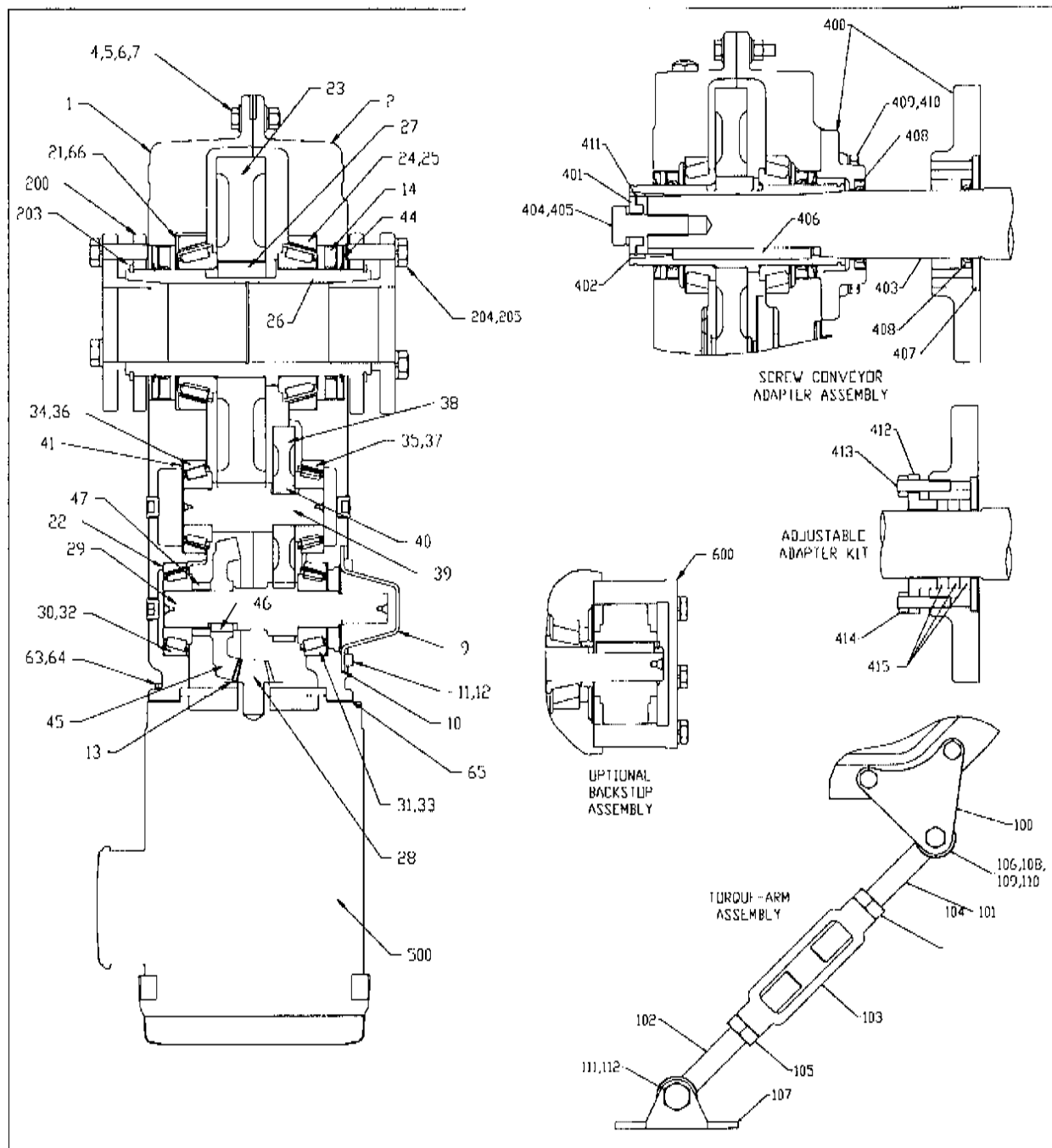
- § Not shown on drawing.
- ★ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ♣ 8 required on TA5215H.
- ♣ See Table 11 for actual ratio.

ACTUAL RATIOS

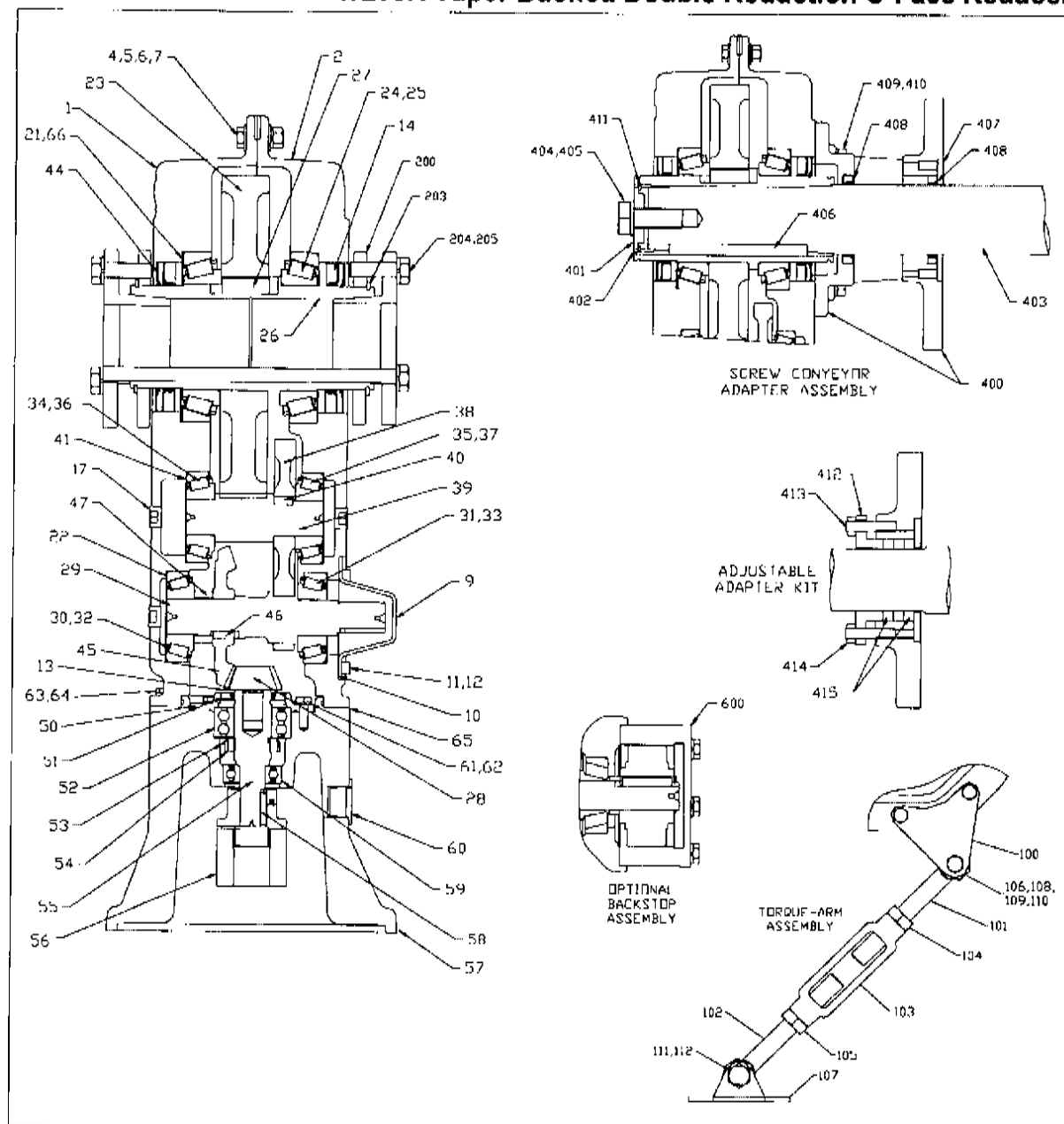
Table 11 – Actual Ratios

Nominal Ratio 20:1	Reducer Size					
	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
Actual Ratio	20.327	20.306	21.647	21.763	21.818	21.706

Parts for MTA1107H & MTA3203H Taper Bushed Double Reduction Reducers with Integral Gearmotor and VFD



Parts for MTA 1107H & MTA3203H Taper Bushed Double Reduction C-Face Reducers



Parts for MTA1107H & MTA3203H Taper Bushed Double Reduction Reducers

Ref.	Description	Qty.	TA1107H	TA3203H
1	Housing-LH	1	901596	903596
2	Housing-RH	1	901598	903598
3	RTV Sealant, Tube	1	465044	465044
4	Housing Bolt	13	411253	411412
5	Flat Washer	26	900241	902241
6	Nut	13	407085	407087
7	Lock-Washer	13	419010	419011
8 §	Dowel Pin	2	901248	901248
9	Backstop Shaft Cover	1	901279	903279
10	Backstop Cover Gasket	1	901280	903280
11	Backstop Cover Screw	6 ♣	417038	417038
12	Lock-Washer	6 ♣	419045	419045
13	Oil Shield	1	963330	963330
14	Output Oil Seal	2	901286	A73109
15 §	Air Vent	1	901287	901287
16	Bushing	1	N/A	N/A
17 §	Oil Plug	5	430031	430031
18	Magnetic Oil Plug	1	430060	430060
21	Output Bearing Shim-As Req'd			
	.015" Shim		901263	903263
	.007" Shim		901265	903265
	.005" Shim		901264	903264
66	Output Bearing Spacer	1	901594	903594
22	Input Bearing Shim-As Req'd			
	.015" Shim		901271A	903267
	.007" Shim		901273A	903269
	.005" Shim		901272A	903268
41	Counter-Shaft Bearing Shim-As Req'd			
	.015" Shim		901267	903267
	.007" Shim		901269	903269
	.005" Shim		901268	903268
23	Output Gear	1	901208	903208
24	Output Bearing Cup	2	901250	903252
25	Output Bearing Cone	2	901251	402268
26	Output Hub	1	901230	903230
27	Output Gear Key	1	901275	903275
28	Input Bevel Pinion			
	38:1, 62:1, 63:1, 103:1, 106:1, 131:1, 135:1 Ratio ♣	1	901417	903417
	24:1, 25:1, 41:1, 68:1, 84:1, 88:1 Ratio ♣	1	901419	903419
	27:1, 45:1, 46:1, 56:1, 59:1, 103:1, 106:1 Ratio ♣	1	901437	903437
45	Bevel Gear			
	38:1, 62:1, 63:1, 103:1, 106:1, 131:1, 135:1 Ratio ♣	1	901418	903418
	24:1, 25:1, 41:1, 68:1, 84:1, 88:1 Ratio ♣	1	901420	903420
	27:1, 45:1, 46:1, 56:1, 59:1, 103:1, 106:1 Ratio ♣	1	901438	903438
29	Bevel Gear Pinion Shaft			
	24:1, 25:1, & 38:1 Ratio ♣	1	901440	903440
	27:1, 41:1, 62:1, 63:1 Ratio ♣	1	901441	903441
	45:1, 46:1, 68:1, 103:1, 106:1 Ratio ♣	1	901442	963321
	56:1, 59:1, 84:1, 88:1, 131:1, 135:1 Ratio ♣	1	901443	903443
38	First Stage Gear			
	24:1, 25:1, & 38:1 Ratio ♣	1	901217	903217
	27:1, 41:1, 62:1, 63:1 Ratio ♣	1	901215	903215
	45:1, 46:1, 68:1, 103:1, 106:1 Ratio ♣	1	901213	903213
	56:1, 59:1, 84:1, 88:1, 131:1, 135:1 Ratio ♣	1	901211	903211
30	Input Bearing Cup-LH	1	403063	403101
31	Input Bearing Cup-RH	1	403063	403101
32	Input Bearing Cone-LH	1	963391	402271
33	Input Bearing Cone-RH	1	402108	402271

Parts for MTA1107H & MTA3203H Taper Bushed Double Reduction Reducers

Ref.	Description	Qty.	TA1107H	TA3203H
34	Counter-Shaft Bearing Cup-LH	1	403165	403101
35	Counter-Shaft Bearing Cup-RH	1	403165	403101
36	Counter-Shaft Bearing Cone-LH	1	402265	402271
37	Counter-Shaft Bearing Cone-RH	1	402265	402271
39	Counter-Shaft Pinion	1	901209	903209
40	First Stage Gear Key	1	901276	903276
44	Auxiliary Output Seal	2	901236	903236
46	Bevel Gear Key	1	901467	903467
47	Bevel Gear Spacer	1	N/A	963329
50	Seal Carrier	1	963323	963323
51	Seal	1	334273	334273
52	Bearing INA	1	963339	963339
53	TW106 Lockwasher	1	963336	963336
54	N06 Locknut	1	963337	963337
55	Coupling Pinion	1	963322	963322
56	KTR Coupling Assembly			
	For 140 Motor	1	963394	963394
	For 180 Motor	1	963335	963335
	For 210 Motor	1	963393	963393
57	Motor Adapter			
	For 140 Motor	1	901555	901555
	For 180 & 210 Motor	1	963326	963326
	Spacer Plate for 210 Motor	1	334571	334571
58	Coupling Key	1	54783	54783
59	FAG Bearing	1	963338	963338
60	Adapter Plug	1	411709-65-H	411709-65-H
61	Seal Carrier Bolt	5	411398	411398
62	Seal Carrier Lockwasher	5	419045	419045
63	Motor/Adapter Bolt	4	411072	411072
64	Motor/Adapter Lockwashers	4	419047	419047
65	Motor Shim - As Req'd			
	.003" Shim		963331-1	963331-1
	.005" Shim		963331-2	963331-2
	.010" Shim		963331-3	963331-3
100	Torque-Arm Adapter Bracket	2	901500	903500
	Torque-Arm Rod Kit ★	1	241244	242244
101	▲ Torque-Arm Rod End	1	241245	243245
102	▲ Torque-Arm Extension	1	241247	243247
103	▲ Torque-Arm Tumbuckle	1	241246	243246
104	▲ RH Nut	1	407093	407095
105	▲ LH Nut	1	407242	407244
106	Torque-Arm Bushing	1	242243	243243
107	Torque-Arm Fulcrum	1	241249	243249
108	Torque-Arm Bolt	1	411412	411437
109	Torque-Arm Lock-Washer	1	419011	419012
110	Torque-Arm Nut	1	407087	407089
111	Torque-Arm Bolt	1	411456	411484
112	Torque-Arm Nut	1	407091	407093
113	Lock-washer	1	N/A	N/A
200	Bushing Back-Up Plate	2	901301	903301
203	Retaining Ring	2	901304	903304
204	Bushing Cap Screw	6	411390	411408
205	Bushing Lock-Washer	6	419010	419011

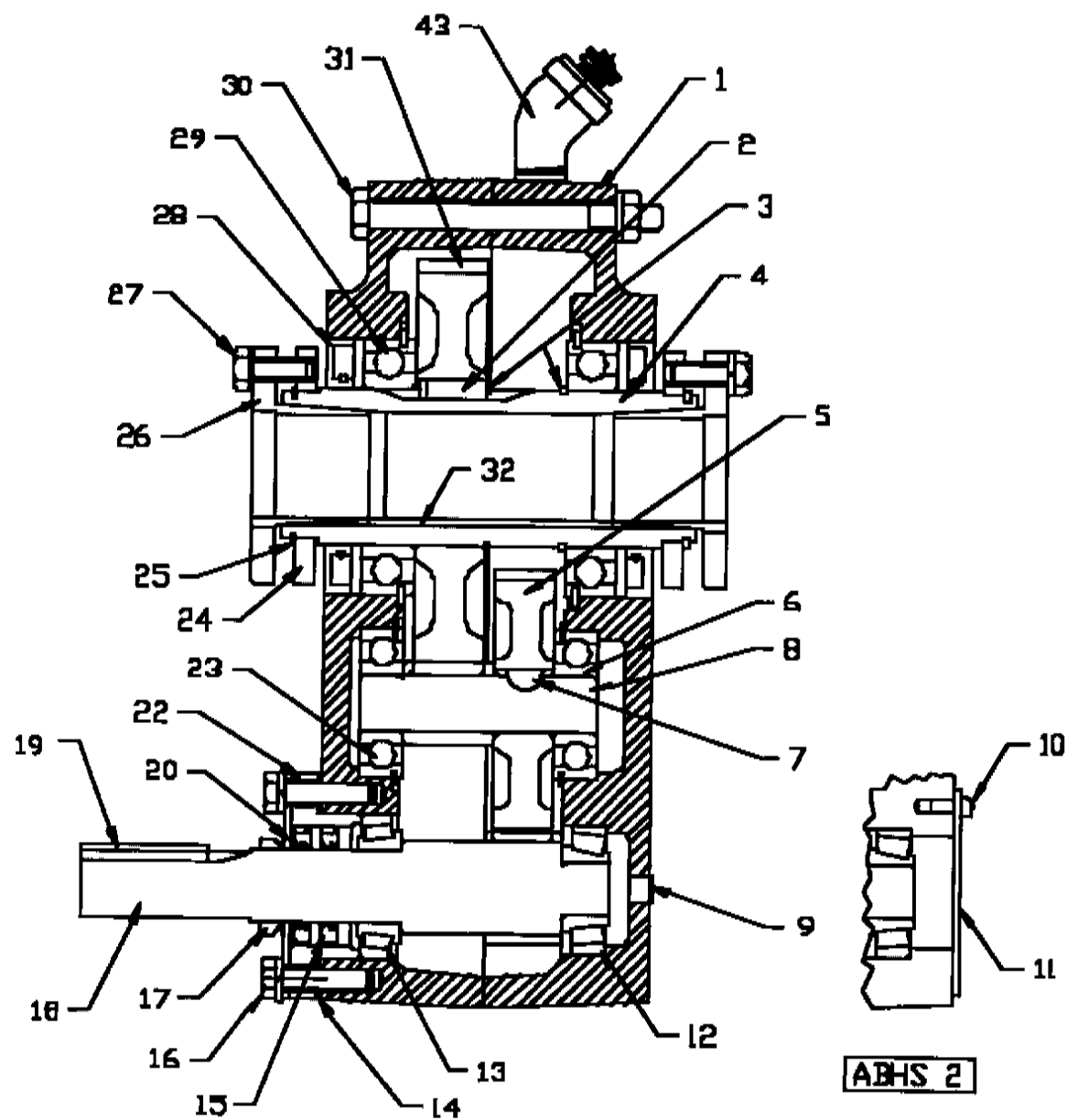
Parts for MTA1107H & MTA3203H Taper Bushed Double Reduction Reducers

400	Screw Conveyor Adapter	1	901401	903401
401	Screw Conveyor Keeper Plate	1	901402	903402
402	Screw Conveyor Wedge	1	901403	903403
403	Screw Conveyor Drive Shaft			
	1-1/2" Shaft	1	901072	903072
	1-1/2" Shaft, Stainless Steel	1	901080	903080
	2" Shaft	1	901073	903073
	2" Shaft, Stainless Steel	1	901081	903081
	2-7/16" Shaft	1	901074	903074
	2-7/16" Shaft, Stainless Steel	1	901082	903082
	3" Shaft	1	901075	903075
	3" Shaft, Stainless Steel	1	901083	903083
	3-7/16" Shaft	1	N/A	903076
	3-7/16" Shaft, Stainless Steel	1	N/A	903084
404	Retaining Bolt	1	411549	411551
405	Lock-Washer	1	419014	419016
406	Drive Shaft Key	1	901405	903405
407	Drive Shaft Washer	1	901404	903404
408	Seal	2	901411	353085
409	Bolt	4	411410	411456
410	Lock-Washer	4	419011	419013
411	Retaining Ring	1	901406	903406
412	Adjustable Packing Retainer	1	901413	903413
413	Adjustable Packing Gland Stud	2	400404	400404
414	Adjustable Packing Gland Nut	2	407202	407202
415	Sealing Rings	3	901416	903416
500	Motor			
	3.0 HP Integral Motor	1	P14A6946	P14A6946
	5.0 HP Integral Motor	1	P14A6947	P14A6947
	7.5 HP Integral Motor	1	P14A6948	P14A6948
	10.0 HP Integral Motor	1	P14A6949	P14A6949
	15.0 HP Integral Motor	1	P18G3465	P18G3466
	20.0 HP Integral Motor	1		
502 §	VFD - MD65 Standard Duty			
	3.0 HP MD-65	1	6MDDN-6P0102	6MDDN-6P0102
	5.0 HP MD-65	1	6MDDN-010102	6MDDN-010102
	7.5 HP MD-65	1	6MDDN-012102	6MDDN-012102
	10.0 HP MD-65	1	6MDDN-017102	6MDDN-017102
	15.0 HP MD-65	1	6MDDN-024102	6MDDN-024102
	20.0 HP MD-65	1		
502 §	VFD - SP600 Heavy Duty			
	3.0 HP SP-600	1	6SP44X-005CTNN	6SP44X-005CTNN
	5.0 HP SP-600	1	6SP44X-008CTNN	6SP44X-008CTNN
	7.5 HP SP-600	1	6SP44X-011CTNN	6SP44X-011CTNN
	10.0 HP SP-600	1	6SP44X-014CTNN	6SP44X-014CTNN
	15.0 HP SP-600	1	6SP44X-022CTNN	6SP44X-022CTNN
	20.0 HP SP-600	1	6SP44X-027CTNN	6SP44X-027CTNN
600	Backstop Assembly	1	901102	903102

Notes:

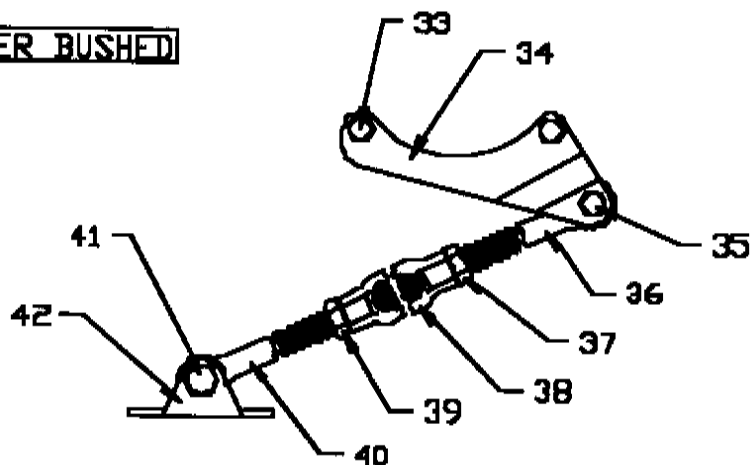
- § Not shown on drawing.
- ★ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ♣ 8 required on TA5215H.
- ♣ See Table 12 for actual ratio.

PARTS FOR DOUBLE ABHS TXT1A AND TXT2A TAPER BUSHED SPEED REDUCERS



TAPER BUSHED

NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.



Reference	Name of Part	ABHS TXT1 Part No.	No. Req'd.	ABHS TXT2 Part No.	No. Req'd.	Reference	Name of Part	ABHS TXT1A Part No.	No. Req'd.	ABHS TXT2A Part No.	No. Req'd.
1	Housing Assembly	241195	1	242282	1	19	Input Shaft Key	443020	1	443020	1
30	Housing Bolts	411418	4	411418	5	34	TORQUE ARM ASSEMBLY*	241213	1	242280	1
33	Adapter - Housing Bolts	411420	2	411420	2		•Adapter Plate LH	C16239	1	C16241	1
30	Bolt Washers	419011	4	419011	5		•Adapter Plate RH	C16240	1	C16242	1
30	Bolt Nuts	407087	6	407087	7	35	•Adapter Bolt	411412	1	411437	1
**	Flat Washers	419092	2	419092	2	35	•Lockwasher	419011	1	419012	1
43	VENT ASSEMBLY	A38983	1	A38983	1	35	•Hex Nut	407087	1	407089	1
**	Magnetic Plug	430060	1	430060	1	35	•Adapter Bushing	242243	1	243243	1
9	Oil Plug	430031	4	430031	3	36	•Rod End	A73092	1	A73087	1
11	Bearing Cover			A45613	1	37	•Rod End Nut	407093	1	407095	1
10	Cover Screws			415022	4	38	•Turnbuckle	A73086	1	A73089	1
11	Cover Gasket			243220	1	40	•Extension	A73085	1	A73088	1
9	Bearing Cover					39	•Extension Nut	407242	1	407244	1
18	Input Pinion	241198	1	242279	1	42	•Fulcrum	241249	1	243249	1
	9:1 Ratio	241160	1	242266	1	41	•Fulcrum Bolt	411456	1	411484	1
	15:1 Ratio	241185	1	242278	1		•Hex Nut	407091	1	407093	1
	25:1 Ratio	241185	1	242278	1						
8	Countershaft Pinion	241216	1	242185	1	26	BUSHING ASSEMBLY*	241278	1	.....
4	Output Hub	241265	1	242134	1		1" Bore	241280	1	.....
3	Snap Rings	421013	2	421017	2		1 1/16" Bore	241282	1	242146	1
24	Bushing Backup Plates	241266	2	242137	2		1 1/8" Bore	241286	1	242148	1
25	Retaining Rings	421111	2	421112	2		1 3/16" Bore	241288	1	242150	1
31	Output Gear	241007	1	242181	1		1 1/4" Bore	241290	1	242152	1
2	Output Gear Key	241217	1	443399	1		1 5/16" Bore	241294	1	242154	1
5	1st Gear	241482	1	242482	1		1 3/8" Bore	241292	1	242156	1
	9:1 Ratio	241170	1	242008	1		1 1/2" Bore	.....		242158	1
	15:1 Ratio	241171	1	242005	1		1 5/8" Bore	.....		242162	1
	25:1 Ratio	241309	1	242218	1		1 3/4" Bore	.....		242164	1
7	1st Gear Key						1 7/8" Bore	.....		242166	1
28	Output Seal	241214	2	242113	2		1 5/16" Bore	.....		242168	1
15	Input Seal	276173	2	242281	2	27	▲Bushing Screw	411405	6	411390	6
29	Output Bearings					27	▲Lockwasher	419010	6	419010	6
8	Countershaft Bearings						1" Bore	443274	1	.....
12	Input Bearings						1 1/16" Bore	443274	1	.....
13	Input Bearings						1 1/8" Bore	443271	1	443281	1
22	Input Seal Carrier	241159	1	242265	1		1 3/16" Bore	241308	1	443281	1
16	Carrier Bolts	411391	4	411391	4		1 1/4" Bore	241307	1	443281	1
16	Carrier Bolt Washers	419010	4	419010	4	32	▲Key, Bushing to Shaft	241306	1	443280	1
14	Input Bearing Shim Pack	389585		389586			1 5/8" Bore	241310	1	443280	1
	.002	241161	3	242267	3		1 3/4" Bore	241305	1	443282	1
	.005	241162	3	242268	3		1 1/2" Bore	.....		443282	1
	.010	241163	3	242269	3		1 5/8" Bore	.....		242172	1
	.025	241164	3	242270	3		1 11/16" Bore	.....		242171	1
17	Auxiliary Seal	241166	1	242272	1		1 3/4" Bore	.....		242170	1
20	Auxiliary Seal Plate	241167	1	242275	1	**	1 5/16" Bore	.....		443263	1
						**	▲Key Bushing to Output Hub	.....		443264	1 B
							1" Bore	243272	1	.....
							▲Key Bushing to Output Hub	443273	1	.....

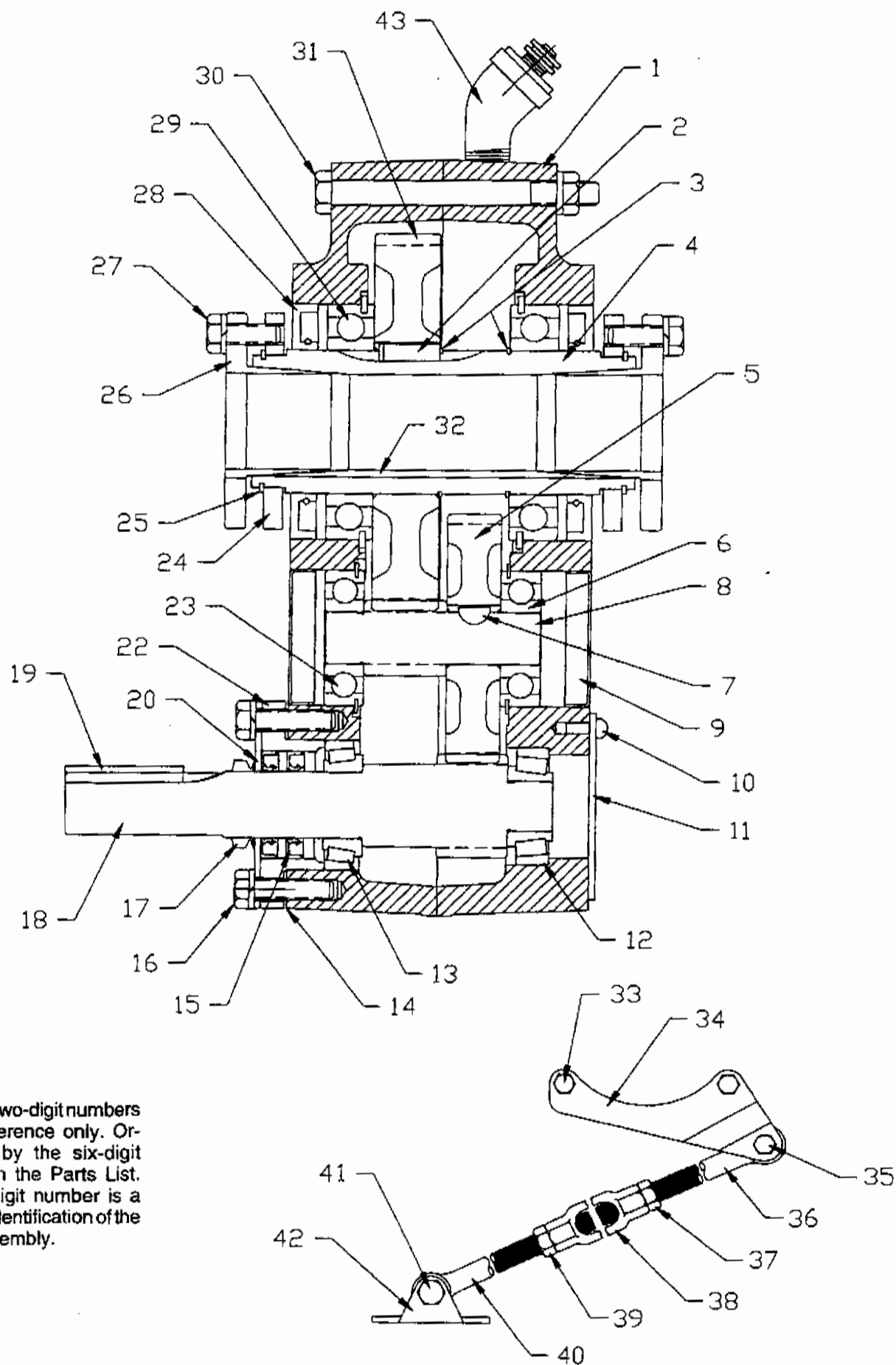
* Includes parts listed immediately below marked "▲."

▲ The parts marked "▲" make up the assemblies under which they are listed.

** Not shown on drawing.

B On size TXT2A for 1 1/8" through 1 1/2" bores.

PARTS FOR DOUBLE REDUCTION ABHS TXT1 AND TXT2 TAPER BUSHED SPEED REDUCERS



Note: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.

Reference	Name of Part	ABHS TXT1 Part No.	No. Req'd.	ABHS TXT2 Part No.	No Req'd.	Reference	Name of Part	ABHS TXT1 Part No.	No. Req'd.	ABHS TXT2 Part No.	No Req'd.					
1	Housing	241156	1	242262	1	19	Input Shaft Key	443020	1	443020	1					
**	Dowell Pins	420091	2	420091	2		TORQUE ARM ASSEMBLY*	241213		242280						
30	Housing Bolts	411418	4	411418	5	34	•Adapter Plate LH	C16239	1	C16241	1					
33	Adapter - Housing Bolts	411420	2	411420	2		•Adapter Plate RH	C16240	1	C16242	1					
30	Bolt Washers	419011	4	419011	5	35	•Adapter Bolt	411412	1	411437	1					
30	Bolt Nuts	407087	6	407087	7	35	•Lockwasher	419011	1	419012	1					
**	Flat Washers	419092	2	419092	2	35	•Hex Nut	407087	1	407089	1					
43	VENT ASSEMBLY	A38983	1	A38983	1	35	•Adapter Bushing	242243	1	243243	1					
**	Magnetic Plug	430060	1	430060	1	36	•Rod End	A73092	1	A73087	1					
**	Oil Plug	430031	2	430031	2	37	•Rod End Nut	407093	1	407095	1					
11	Bearing Cover	243559	1	243221	1	38	•Turnbuckle	A73086	1	A73089	1					
10	Cover Screws	416524	4	415022	4	40	•Extension	A73085	1	A73088	1					
11	Cover Gasket	NA		243220	1	39	•Extension Nut	407242	1	407244	1					
9	Bearing Cover	242224	2	242212	2	42	•Fulcrum	241249	1	243249	1					
18	Input Pinion 9:1 Ratio	241196	1	242279	1	41	•Fulcrum Bolt	411456	1	411484	1					
	15:1 Ratio	241160	1	242266	1		•Hex Nut	407091	1	407093	1					
	25:1 Ratio	241185	1	242278	1											
8	Countershaft Pinion	241216	1	242185	1	26	BUSHING ASSEMBLY*	1" Bore	241278	1	-----					
4	Output Hub	241265	1	242134	1			1 1/16" Bore	241280	1	-----					
3	Snap Rings	421013	2	421017	2			1 1/8" Bore	241282	1	242146	1				
24	Bushing Backup Plates	241266	2	242137	2			1 3/16" Bore	241286	1	242148	1				
25	Retaining Rings	421111	2	421112	2			1 1/4" Bore	241288	1	242150	1				
31	Output Gear	241007	1	242181	1			1 5/16" Bore	241290	1	242152	1				
2	Output Gear Key	241217	1	443399	1			1 3/8" Bore	241924	1	242154	1				
5	1st Gear 9:1 Ratio	241482	1	242482	1			1 7/16" Bore	241292	1	242156	1				
	15:1 Ratio	241170	1	242008	1			1 1/2" Bore	-----		242158	1				
	25:1 Ratio	241171	1	242005	1			1 5/8" Bore	-----		242162	1				
7	1st Gear Key	241309	1	242218	1			1 11/16" Bore	-----		242164	1				
28	Output Seal	241214	2	242113	2			1 3/4" Bore	-----		242166	1				
15	Input Seal	276173	2	242281	2			1 5/16" Bore	-----		242168	1				
29	Output Bearings	See Chart				27	▲Bushing Screw	411405	6	411390	6					
6	Countershaft Bearings					27	▲Lockwasher	419010	6	419010	6					
12	Input Bearings															
13	Input Bearings	See Chart						1" Bore	443274	1	-----					
22	Input Seal Carrier					241159	1	242265	1			1 1/16" Bore	443274	1	-----	
16	Carrier Bolts					411391	4	411391	4			1 1/8" Bore	443271	1	443281	1
16	Carrier Bolt Washers	419010	4	419010	4			1 3/16" Bore	241308	1	443281	1				
14	Input Bearing Shim Pack	389585		389586		32	▲Key, Bushing to Shaft	1 1/4" Bore	241307	1	443281	1				
	.002	241161	3	242267	3			1 5/16" Bore	241306	1	443280	1				
	.005	241162	3	242268	3			1 3/8" Bore	241310	1	443280	1				
	.010	241163	3	242269	3			1 7/16" Bore	241305	1	443282	1				
	.025	241164	3	242270	3			1 1/2" Bore	-----		443282	1				
17	Auxiliary Seal	241166	1	242272	1			1 5/8" Bore	-----		242172	1				
20	Auxiliary Seal Plate -	241167	1	242275	1			1 11/16" Bore	-----		242171	1				
								1 3/4" Bore	-----		242170	1				
						**	▲Key Bushing to Output Hub	-----			443283	1				
						**	▲Key Bushing to Output Hub	1" Bore	243272	1	-----	1 B				
								1 1/8" Bore	443273	1	-----					

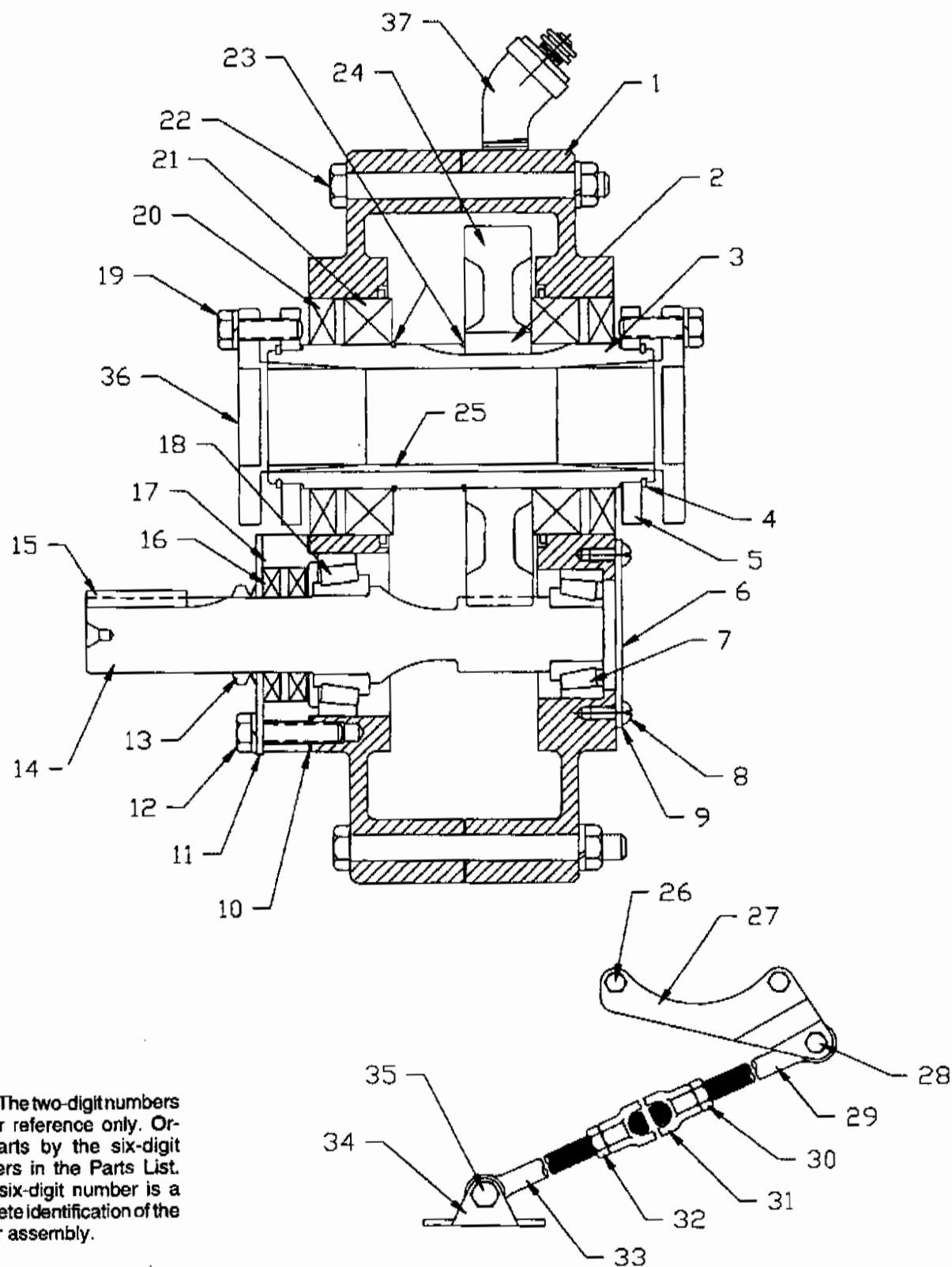
* Includes parts listed immediately below marked "▲."

▲ The parts marked "▲" make up the assemblies under which they are listed.

** Not shown on drawing.

B On size TXT2 for 1 1/8" through 1 1/2" bores.

PARTS FOR SINGLE REDUCTION ABHS TXT105 AND TXT205 TAPER BUSHED SPEED REDUCERS



Note: The two-digit numbers are for reference only. Order parts by the six-digit numbers in the Parts List. Each six-digit number is a complete identification of the part or assembly.

Reference	Name of Part	ABHS TXT105 Part No.	No. Req'd.	ABHS TXT205 Part No.	No. Req'd.	Reference	Name of Part	ABHS TXT105 Part No.	No. Req'd.	ABHS TXT205 Part No.	No. Req'd.	
1	Housing	251121	1	252121	1	28	TORQUE ARM ASSY. CONT.					
**	Dowell Pins	420091	2	420091	2		▲Adapter Bolt	411412	1	411437	1	
22	Housing Bolts	411418	4	411418	5		▲Lockwasher	419011	1	419012	1	
26	Adapter - Housing Bolts	411420	2	411420	2		▲Hex Nut	407087	1	407089	1	
22	Bolt Washers	419011	4	419011	5		▲Adapter Bushing	242243	1	242243	1	
22	Bolt Nuts	407087	6	407087	7		▲Rod End	241245	1	243245	1	
**	Flat Washers	419092	2	419092	2		▲Rod End Nut	407093	1	407095	1	
37	VENT ASSEMBLY	A38983	1	A38983	1		31	▲Turnbuckle	241246	1	243246	1
**	Magnetic Plug	430060	1	430060	1		33	▲Extension	241247	1	243247	1
**	Oil Plug	430031	2	430031	2		32	▲Extension Nut	407242	1	407244	1
6	Bearing Cover	242221	1	242221	1	34	▲Fulcrum	241249	1	243249	1	
8	Cover Screws	415022	4	415022	4	35	▲Fulcrum Bolt	411456	1	411484	1	
9	Cover Gasket	242220	1	243220	1	35	▲Hex Nut	407491	1	407493	1	
14	Input Pinion	251124	1	252134	1	36	1" Bore	241278	1	.....	
3	Output Hub	241265	1	242134	1		1 1/16" Bore	241280	1	.....	
23	Snap Rings	421013	2	421017	2		1 1/8" Bore	241282	1	242146	1	
5	Bushing Backup Plates	241266	2	242137	2		1 3/16" Bore	241286	1	242148	1	
4	Retaining Rings	421111	2	421112	2		1 1/4" Bore	241288	1	242150	1	
24	Output Gear	241007	1	242181	1		1 5/16" Bore	241290	1	242152	1	
2	Output Gear Key	241217	1	443399	1		1 3/8" Bore	.....		242154	1
20	Output Seal	241214	2	242113	2		1 7/16" Bore	241292	1	242156	1	
16	Input Seal	242281	2	252019	2		1 1/2" Bore	.....		242158	1
21	Output Bearings	See Chart						1 5/8" Bore		242162	1
7	Input Bearings						1 11/16" Bore	.....		242164	1
18	Input Bearings						1 3/4" Bore	.....		242165	1
17	Input Seal Carrier	251126	1	252124	1		1 15/16" Bore	.....		242168	1
12	Carrier Bolts	411391	4	411391	4	19	▲Bushing Screw	411390	6	411390	6	
12	Carrier Bolt Washers	419010	4	419010	4	19	▲Lockwasher	419010	6	419010	6	
10	Input Bearing Shims					25	1" Bore	443274	1	.....	
	.002	251127	3	252126	3		1 1/16" Bore	443274	1	.....	
	.005	251128	3	252167	3		1 1/8" Bore	443271	1	443281	1	
	.010	251129	3	252128	3		1 3/16" Bore	241308	1	443281	1	
	.025	251130	3	252129	3		1 1/4" Bore	241307	1	443281	1	
13	Auxiliary Seal	242272	1	252191	1		1 5/16" Bore	241306	1	443280	1	
11	Auxiliary Seal Plate	251131	1	252132	1		1 3/8" Bore	.....		443280	1
15	Input Shaft Key	443020	1	443445	1		1 7/16" Bore	241305	1	443282	1	
27	TORQUE ARM ASSEMBLY*	241213		242280			1 1/2" Bore	.....		443282	1
	▲Adapter Plate LH	C16239	1	C16241	1		1 5/8" Bore	.....		242172	1
	RH	C16240	1	C16242	1	1 11/16" Bore	.....		242171	1	
						1 3/4" Bore	.....		242170	1	
						1 15/16" Bore	.....		443283	1	
						**	▲Key Bushing to Output Hub	443272	1B	443284	1B	
						**	▲Key Bushing to Output Hub	443273	1A			

* Includes parts listed immediately below marked "▲".

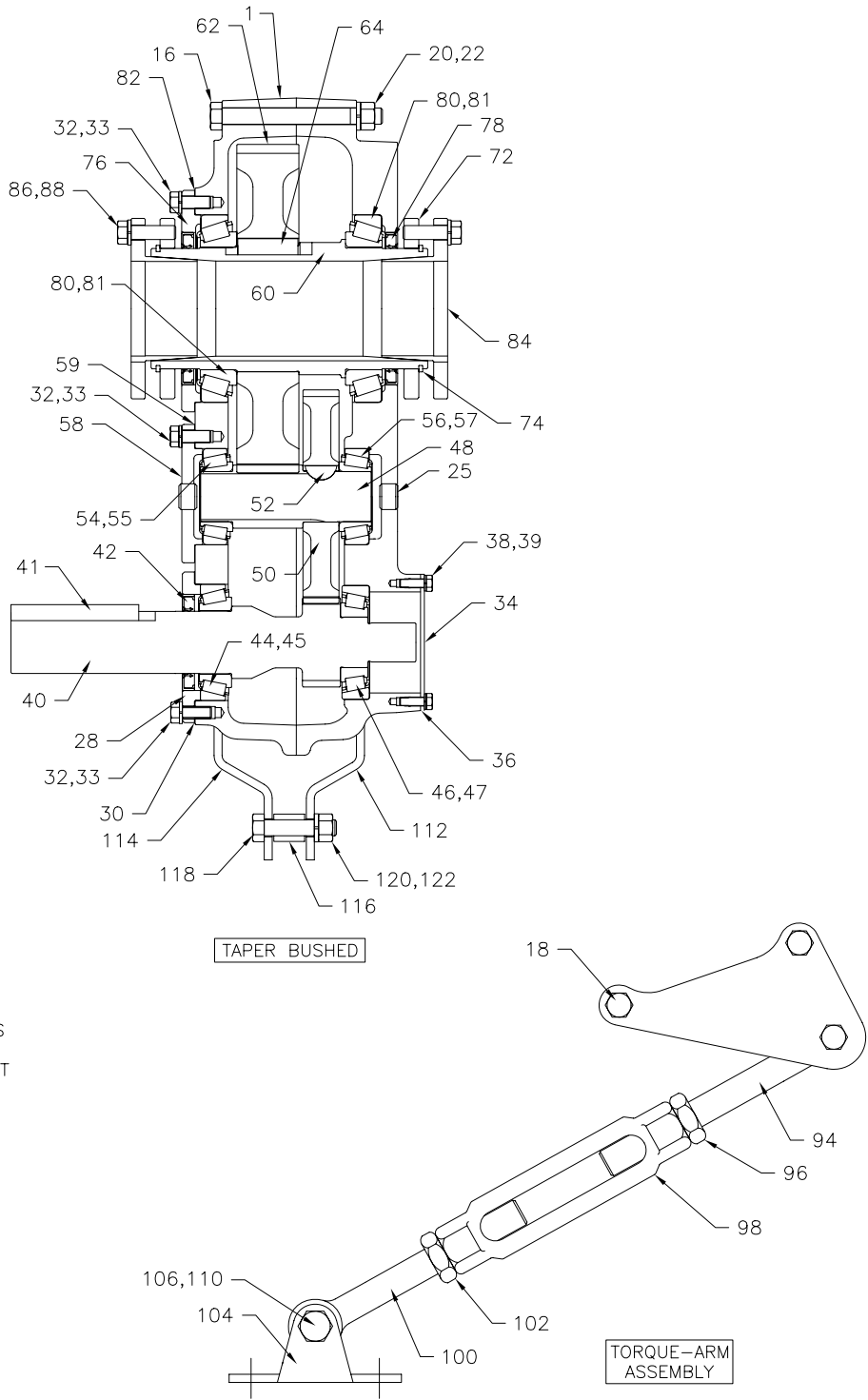
▲ The parts marked "▲" make up the assemblies under which they are listed.

** Not shown on drawing.

B On size TXT105 for 1" bores; TXT205 for 1 1/8" bores.

A One size - TXT105 for 1 1/16" bores and 1 1/8" bores.

PARTS FOR DOUBLE REDUCTION ABHS TXT3B, TXT4B, TXT5C TAPER BUSHED SPEED REDUCERS



NOTE: THE TWO DIGIT NUMBERS
ARE FOR REFERENCE ONLY.
ORDER PARTS BY THE SIX DIGIT
NUMBER IN THE PARTS LIST.
EACH SIX DIGIT NUMBER IS A
COMPLETE IDENTIFICATION OF
THE PART OR ASSEMBLY.

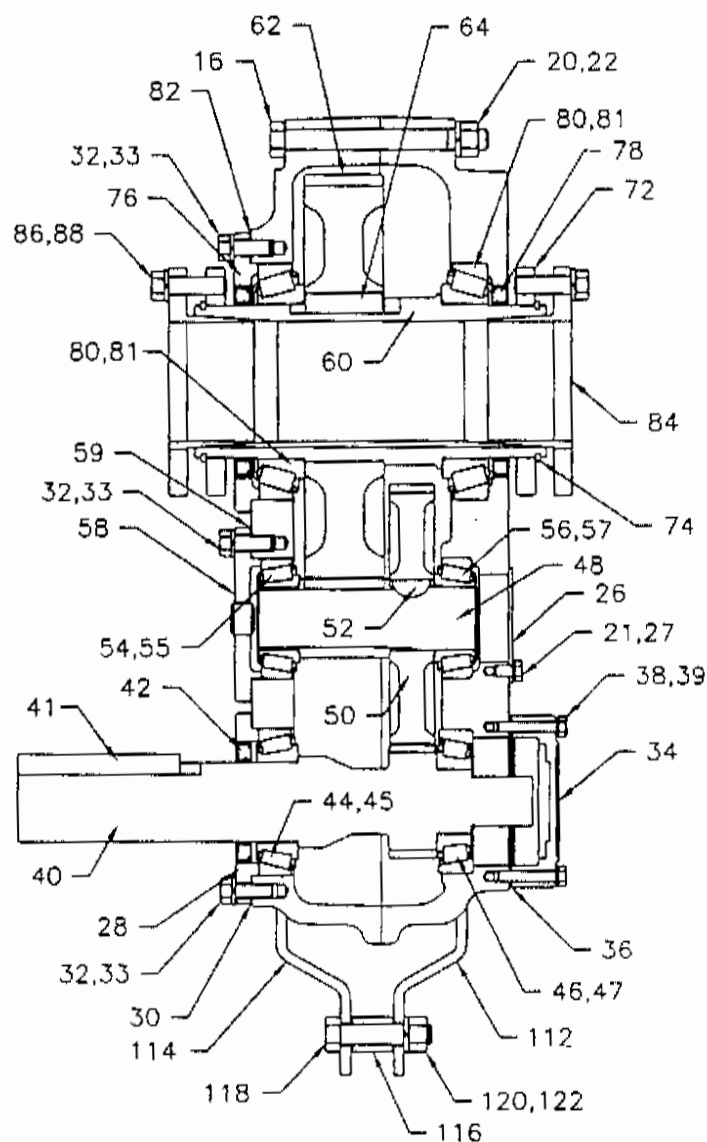
Ref.	Name of Part	No. Req'd	TXT3B	TXT4B	TXT5C
§	Housing Assembly	1	243444	244508	245544
§	Breather Assembly	1	A38983	A38983	A38983
§	Breather Adapter	1	---	---	240054
16	Housing Bolt	6	411440	411442	411464
18	Adapter Housing Bolt	2	411442	411444	411466
19	Washer § 1	4	419094	419094	419096
20	Lock Washer	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
25	Pipe Plug	2	430031	430031	430033
§	Magnetic Plug	1	430060	430060	430062
	C'shaft Bearing Cover (Backstop Side)				
	C'shaft Cover Screw				
	Lock Washer				
28	Input Shaft Seal Carrier	1	243543	244577	245597
30*	Imp Shft Brg Shim Pack	2	389704	389711	389732
32	Carrier/Cover Screws	+	411390	411407	411407
33	Lock Washer	+	419010	419011	419011
34	Backstop Cover	1	243560	244493	245547
38	Backstop Cover Screw	4	416524	411035	411406
39	Lock Washer	4	419007	419009	419009
40*	Input Shaft 9:1 Ratio with Pinion	1	243549	244579	245599
	15:1 Ratio	1	243550	244580	245600
	25:1 Ratio	1	243551	244581	245601
41	Input Shaft Key	1	443032	443082	443113
	Input Bearing Kit *	1	389587	389590	389594
44*	▲ Input Shaft Brg Cone	1	402204	402280	402144
45*	▲ (Input Side) Cup	1	403139	403027	403104
46*	▲ Input Shaft Brg Cone	1	402273	402142	402266
47*	▲ (Backstop Side) Cup	1	403094	403102	403073
	Countershaft 9:1 Ratio	1	389729	389730	389731
	Assembly * 15:1 Ratio	1	389700	389707	389714
	25:1 Ratio	1	389701	389708	389715
48	▲ C'shaft with Pinion	1	243555	244590	245596
50*	▲ First 9:1 Ratio	1	243237	244482	245582
	Reduction 15:1 Ratio	1	243238	244214	245214
	Gear 25:1 Ratio	1	243239	244212	245212
52*	▲ Key	1	243215	244215	244215
	Countershaft Brg Kit *	1	389588	389591	389595
54*	▲ Countershaft Brg Cone	1	402273	402000	402203
55*	▲ (Input Side) Cup	1	403094	403000	403027
56*	▲ Countershaft Brg Cone	1	402273	402000	402203
57*	▲ (Backstop Side) Cup	1	403094	403000	403027
58	C'shaft Brg Cover (Input Shaft)	1	243545	244578	245594
59*	C'shaft Brg Shim Pack	2	389705	389712	389718
	Output Hub Assembly * Tapered	1	389703	389710	389717
60*	▲ Output Hub Tapered	1	243556	244588	245590
62*	▲ Output Gear	1	243570	244188	245186
64*	▲ Output Gear Key	1	389733	391015	391026
72	Bushing Backup Plate	2	243308	244099	245114
74	Retaining Ring	2	421109	421108	421107
76	Output Hub Seal Carrier (Input Side)	1	243547	244591	245592
	Output Hub Brg Kit *	1	389589	389592	389596
80*	▲ Output Hub Cone	2	402272	402268	402193
81*	▲ Bearing Cup	2	403127	403163	403016
82*	Output Hub Bearing Shim Pack	2	389706	389713	389719

Ref.	Name of Part	No. Req'd	TXT3B	TXT4B	TXT5C
36*	Backstop Cvr Gasket	1	243561	244593	245220
42*	Input Shaft Seal	1	A73106	A73108	245543
78*	Output Hub Seal	2	A73107	A73109	245444
§	RTV Sealant, Tube	1	465044	465044	465044
	Bushing 1-5/16" Bore	1	243282	---	---
	Assembly 1-3/8" Bore	1	243284	---	---
	* 1-7/16" Bore	1	243260	244079	---
	1-1/2" Bore	1	243262	244081	---
	1-5/8" Bore	1	243264	244083	---
	1-11/16" Bore	1	243268	244085	---
	1-3/4" Bore	1	243266	244087	---
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	---	244109	---
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	---	244113	245092
	2-7/16" Bore	1	---	244115	245094
	2-1/2" Bore	1	---	---	245099
	2-11/16" Bore	1	---	---	245110
	2-15/16" Bore	1	---	---	245112
86	▲ Bushing Screw	6	411407	411408	411435
88	▲ Lock Washer	6	419011	419011	419012
	1-5/16" Bore	1	443264	---	---
	1-3/8" Bore	1	443264	---	---
	1-7/16" Bore	1	443265	443254	---
	1-1/2" Bore	1	443265	443254	---
	1-5/8" Bore	1	443265	443254	---
	1-11/16" Bore	1	443266	443254	---
	Key, ▲ 1-3/4" Bore	1	443266	443254	---
	§ Bushing 1-7/8" Bore	1	443267	443255	443251
	to 1-15/16" Bore	1	443269	443255	443251
	Shaft 2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	---	443258	---
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	---	443260	443251
	2-7/16" Bore	1	---	443261	443243
	2-1/2" Bore	1	---	---	443244
	2-11/16" Bore	1	---	---	443245
	2-15/16" Bore	1	---	---	443250
	Key, ▲ 2-3/16" Bore	1	443262	---	443202
	§ Bushing to 2-1/2" Bore	1	---	443257	---
	Output Hub 2-7/16" Bore	1	---	443257	---
	3" Bore	1	---	---	---
	Torque-Arm Assembly *	1	243254	244254	245254
94	▲ Rod End	1	A73087	A73146	A73146
96	▲ Hex Nut	1	407095	407097	407097
98	▲ Turnbuckle	1	A73089	A73147	A73147
100	▲ Extension	1	A73088	A73148	A73148
102	▲ LH Hex Nut	1	407244	407246	407246
104	▲ Fulcrum	1	243249	246249	246249
106	▲ Fulcrum Screw	1	411484	411484	411484
110	▲ Hex Nut	1	407093	407093	407093
112	▲ RH Adapter Plate	1	243242	244244	245242
114	▲ LH Adapter Plate	1	243241	244243	245241
116	▲ Adapter Bushing	1	243243	245243	245243
118	▲ Adapter Bolt	1	411437	411460	411460
120	▲ Lock Washer	1	419012	419013	419013
122	▲ Hex Nut	1	407089	407091	407091

▽ On size TXT 3A for 1-15/16" thru 1-3/4" bores and TXT 5C for 1-7/16" thru 2-1/4" bores.

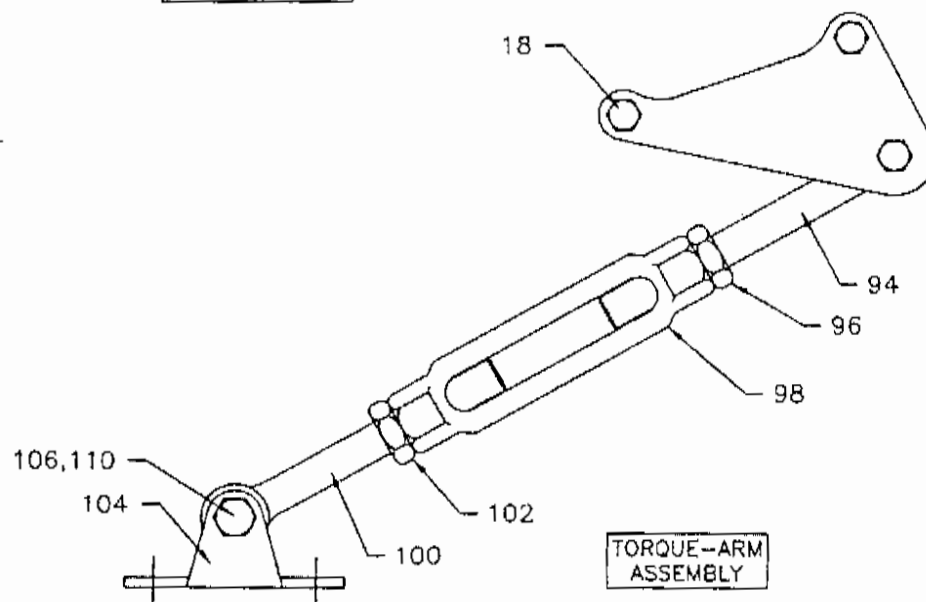
- * Includes parts listed immediately below marked "▲". Housing assembly includes a two-piece housing. Bushing assembly includes 2 bushings.
- ▲ Makes up assembly under which it is listed.
- § Not shown on drawing.
- † Washer is used on housing bolts at dowel pin locations.
- + 14 req'd on TXT3B & TXT4B ; 15 req'd on TXT5C ;
- Recommended spare parts.

PARTS FOR DOUBLE REDUCTION ABHS TXT3A, TXT4A, TXT5B TAPER BUSHED SPEED REDUCERS



TAPER BUSHED

NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.



TORQUE-ARM ASSEMBLY

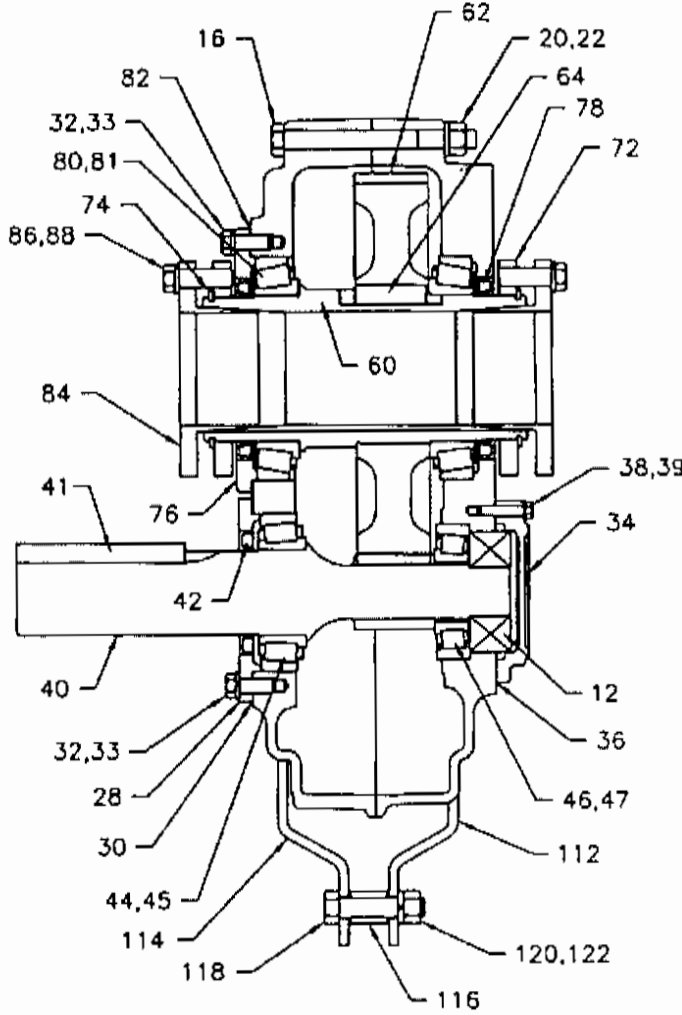
Ref.	Name of Part	No. Req'd	TXT3A	TXT4A	TXT5B
15	Housing ★	1	243534	244567	245587
16	Breather Assembly	1	A38983	A38983	A38983
16	Breather Adapter	1	---	---	240054
18	Housing Bolt	6	411440	411442	411464
18	Adapter Housing Bolt	2	411442	411444	411466
19	Washer †	4	419094	419094	419096
20	Lock Washer	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
24	Pipe Plug	2	430031	430031	430033
24	Magnetic Plug	1	430060	430060	430062
21	C'shaft Bearing Cover (Backstop Side)	1	243559	244574	244574
26	C'shaft Cover Screw	4	416524	411035	411394
27	Lock Washer	4	419007	419009	419009
28	Input Shaft Seal Carrier	1	243543	244577	245597
30*	Input Shaft Brg Shim Pack	2	389704	389711	389732
32	Carrier/Cover Screws	+	411390	411407	411407
33	Lock Washer	+	419010	419011	419011
34	Backstop Cover	1	243560	244493	245547
38	Backstop Cover Screw	4	416524	411035	411406
39	Lock Washer	4	419007	419009	419009
40*	Input Shaft 9:1 Ratio with Pinion 15:1 Ratio	1	243549	244579	245599
	25:1 Ratio	1	243550	244580	245600
		1	243551	244581	245601
41	Input Shaft Key	1	443032	443082	443113
	Input Bearing Kit ★	1	389587	389590	389594
44*	Δ Input Shaft Brg Cone	1	402204	402280	402144
45*	Δ (Input Side) Cup	1	403139	403027	403104
46*	Δ Input Shaft Brg Cone	1	402273	402142	402266
47*	Δ (Backstop Side) Cup	1	403094	403102	403073
	Countershaft 9:1 Ratio Assembly ★	1	389729	389730	389731
	15:1 Ratio	1	389700	389707	389714
	25:1 Ratio	1	389701	389708	389715
48	Δ C'shaft with Pinion	1	243555	244590	245596
50*	Δ First 9:1 Ratio Reduction	1	243237	244482	245582
	15:1 Ratio	1	243238	244214	245214
	25:1 Ratio	1	243239	244212	245212
52*	Δ Key	1	243215	244215	244215
	Countershaft Brg Kit ★	1	389588	389591	389595
54*	Δ Countershaft Brg Cone	1	402273	402000	402203
55*	Δ (Input Side) Cup	1	403094	403000	403027
56*	Δ Countershaft Brg Cone	1	402273	402000	402203
57*	Δ (Backstop Side) Cup	1	403094	403000	403027
58	C'shaft Brg Cover (Input Shaft)	1	243545	244578	245594
59*	C'shaft Brg Shim Pack	2	389705	389712	389718
	Output Hub Assembly ★	1	389703	389710	389717
60*	Δ Output Hub Tapered	1	243556	244588	245590
62*	Δ Output Gear	1	243570	244188	245186
64*	Δ Output Gear Key	1	389733	391015	391026
72	Bushing Backup Plate	2	243308	244099	245114
74	Retaining Ring	2	421109	421108	421107
76	Output Hub Seal Carrier (Input Side)	1	243547	244591	245592
	Output Hub Brg Kit ★	1	389589	389592	389596
80*	Δ Output Hub Cone	2	402272	402268	402193
81*	Δ Bearing Cup	2	403127	403163	403016
82*	Output Hub Bearing Shim Pack	2	389706	389713	389719

Ref.	Name of Part	No. Req'd	TXT3A	TXT4A	TXT5B
36*	Backstop Cvr Gasket	1	243561	244593	245220
42*	Input Shaft Seal	1	A73106	A73108	245543
78*	Output Hub Seal	2	A73107	A73109	245444
§	RTV Sealant, Tube	1	465044	465044	465044
84	Bushing 1-5/16" Bore	1	243282	---	---
	Assembly 1-3/8" Bore	1	243284	---	---
	★ 1-7/16" Bore	1	243260	244079	---
	1-1/2" Bore	1	243262	244081	---
	1-5/8" Bore	1	243264	244083	---
	1-11/16" Bore	1	243268	244085	---
	1-3/4" Bore	1	243266	244087	---
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	---	244109	---
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	---	244113	245092
	2-7/16" Bore	1	---	244115	245094
	2-1/2" Bore	1	---	---	245099
	2-11/16" Bore	1	---	---	245110
	2-15/16" Bore	1	---	---	245112
86	Δ Bushing Screw	6	411407	411408	411435
88	Δ Lock Washer	6	419011	419011	419012
§	1-5/16" Bore	1	443264	---	---
	1-3/8" Bore	1	443264	---	---
	1-7/16" Bore	1	443265	443254	---
	1-1/2" Bore	1	443265	443254	---
	1-5/8" Bore	1	443265	443254	---
	1-11/16" Bore	1	443266	443254	---
	Key, Δ 1-3/4" Bore	1	443266	443254	---
	Bushing 1-7/8" Bore	1	443267	443255	443251
	to 1-15/16" Bore	1	443269	443255	443251
	Shaft 2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	---	443258	---
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	---	443260	443251
	2-7/16" Bore	1	---	443261	443243
	2-1/2" Bore	1	---	---	443244
	2-11/16" Bore	1	---	---	443245
	2-15/16" Bore	1	---	---	443250
§	Key, Δ Bushing 2-3/16" to 2-1/2" Bore	1	443262	---	443202
	Output Hub 2-7/16" 3" Bore	1	---	443257	---
	Torque-Arm Assembly ★	1	243254	244254	245254
94	Δ Rod End	1	A73087	A73146	A73146
96	Δ Hex Nut	1	407095	407097	407097
98	Δ Turnbuckle	1	A73089	A73147	A73147
100	Δ Extension	1	A73088	A73148	A73148
102	Δ LH Hex Nut	1	407244	407246	407246
104	Δ Fulcrum	1	243249	246249	246249
106	Δ Fulcrum Screw	1	411484	411484	411484
110	Δ Hex Nut	1	407093	407093	407093
112	Δ RH Adapter Plate	1	243242	244244	245242
114	Δ LH Adapter Plate	1	243241	244243	245241
116	Δ Adapter Bushing	1	243243	245243	245243
118	Δ Adapter Bolt	1	411437	411460	411460
120	Δ Lock Washer	1	419012	419013	419013
122	Δ Hex Nut	1	407089	407091	407091

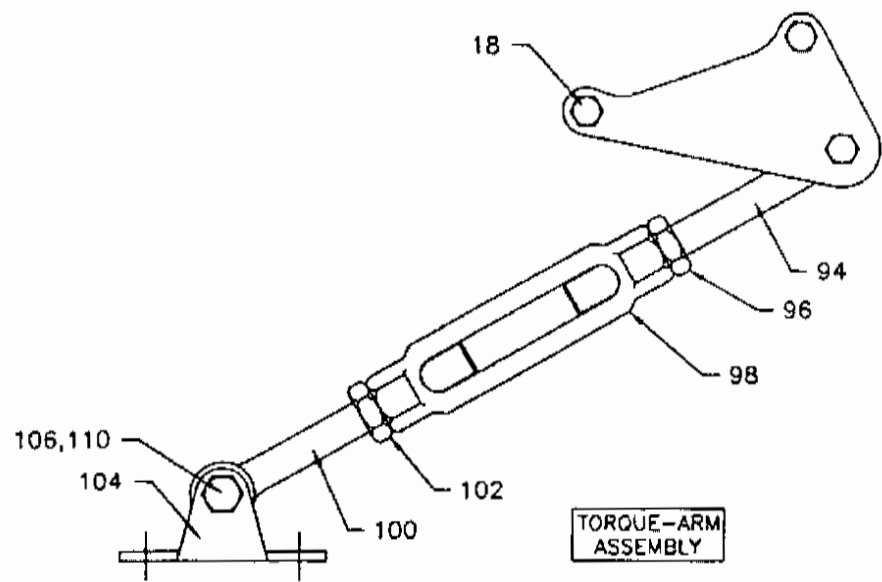
☆ On size TXT 3A for 1-15/16" thru 1-3/4" bores and TXT 5B for 1-7/16" thru 2-1/4" bores.

- ★ Includes parts listed immediately below marked "Δ". Housing assembly includes a two-piece housing. Bushing assembly includes 2 bushings.
- Δ Makes up assembly under which it is listed.
- § Not shown on drawing.
- † Washer is used on housing bolts at dowel pin locations.
- + 14 req'd on TXT3A & TXT4A ; 15 req'd on TXT5B ;
- * Recommended spare parts.

PARTS FOR SINGLE REDUCTION ABHS TXT305A, TXT405A, TXT505A TAPER BUSHED SPEED REDUCERS



TAPER BUSHED



TORQUE-ARM ASSEMBLY

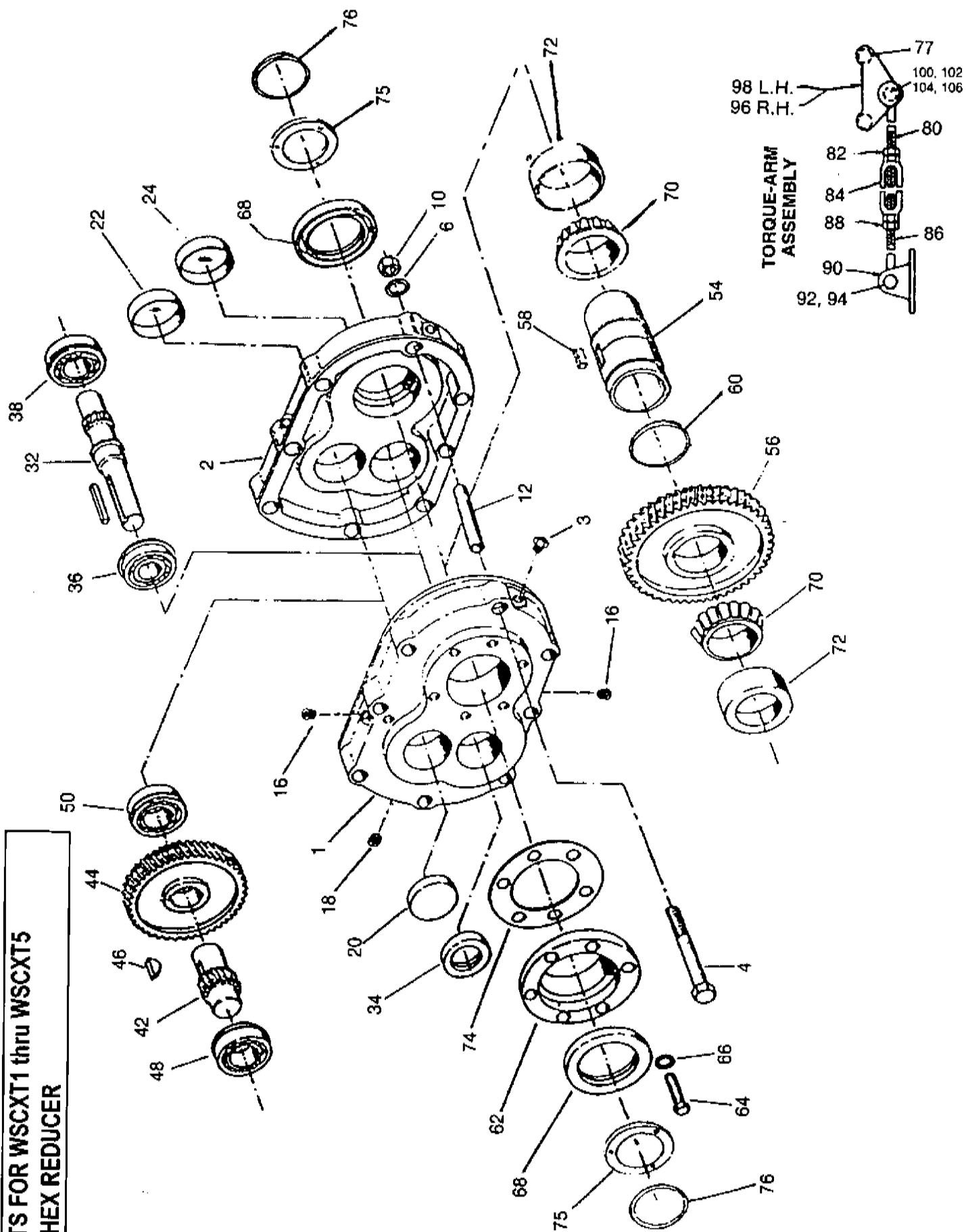
NOTE: THE TWO DIGIT NUMBERS ARE FOR REFERENCE ONLY. ORDER PARTS BY THE SIX DIGIT NUMBER IN THE PARTS LIST. EACH SIX DIGIT NUMBER IS A COMPLETE IDENTIFICATION OF THE PART OR ASSEMBLY.

Ref.	Name of Part	No. Req'd	TXT305A	TXT405A	TXT505A
	Housing	1	253165	254218	255216
5	Breather Assembly	1	A38983	A38983	A38983
5	Breather Adaptor	1	---	---	240054
16	Housing Bolt	6	411440	411442	411464
18	Adapter Housing Bolt	2	411442	411444	411466
19	Washer ‡	4	419094	419094	419096
20	Lock Washer	6	419012	419012	419013
22	Hex Nut	8	407089	407089	407091
24	Dowel Pin	2	420055	420055	420110
5	Pipe Plug	2	430031	430031	430033
5	Magnetic Plug	1	430060	430060	430062
28	Input Shaft Seal Carrier	1	253177	254224	255224
30*	Imp Shft Brg Shim Pack	2	389723	389724	389725
32	Carrier/Cover Screws	+	411390	411407	411407
33	Lock Washer	+	419010	419011	419011
34	Backstop Cover	1	253175	254223	255019
38	Backstop Cover Screw	4	416524	411035	411406
39	Lock Washer	4	419007	419009	419009
40*	Input Shaft with Pinion	1	253170	254230	255221
41	Input Shaft Key	1	443078	443096	443113
44*	▲ Input Shaft Brg Cone	1	402190	402179	402270
45*	▲ (Input Side) Cup	1	403132	403006	403026
46*	▲ Input Shaft Brg Cone	1	402271	402285	402266
47*	▲ (Backstop Side) Cup	1	403101	403125	403073
	Output Hub Assembly ★ Tapered	1	389703	389710	389717
60*	▲ Output Hub Tapered	1	243556	244588	245590
62*	▲ Output Gear	1	243570	244188	245186
64*	▲ Output Gear Key	1	389733	391015	391026
72	Bushing Backup Plate	2	243308	244089	245114
74	Retaining Ring	2	421109	421108	421107
76	Output Hub Seal Carrier (Input Side)	1	243547	244591	245592
	Output Hub Brg Kit ★	1	389589	389592	389596
80*	▲ Output Hub Cone	2	402272	402268	402193
81*	▲ Bearing Cup	2	403127	403163	403016
82*	Output Hub Bearing Shim Pack	2	389706	389713	389719
36*	Backstop Cvr Gasket	1	243561	244593	245220
42*	Input Shaft Seal	1	351123	245534	245546
78*	Output Hub Seal	2	A73107	A73109	245444
5	RTV Sealant, Tube	1	465044	465044	465044

- ★ Includes parts listed immediately below marked "▲".
Housing assembly includes a two-piece housing.
Bushing assembly includes 2 bushings.
▲ Makes up assembly under which it is listed.
§ Not shown on drawing.
‡ Washer is used on housing bolts at dowel pin locations.
+ 10 req'd on 305A ; 12 req'd on 405A & 505A.
• Recommended spare parts.
○ On size 305A for 1-15/16" thru 1-3/4" bores.
○ On size 405A for 1-7/16" thru 1-7/8" bores.
○ On size 505A for 1-7/8" thru 2-1/4" bores.
○ On size 405A for 1-15/16" and 2" bores.

Ref.	Name of Part	No. Req'd	TXT305A	TXT405A	TXT505A
	Bushing 1-5/16" Bore	1	243282	---	---
	Assembly 1-3/8" Bore	1	243284	---	---
	★ 1-7/16" Bore	1	243260	244079	---
	1-1/2" Bore	1	243262	244081	---
	1-5/8" Bore	1	243264	244083	---
	1-11/16" Bore	1	243268	244085	---
	1-3/4" Bore	1	243266	244087	---
	1-7/8" Bore	1	243270	244089	245084
	1-15/16" Bore	1	243272	244093	245086
	2" Bore	1	243274	244095	245088
	2-1/8" Bore	1	---	244109	---
	2-3/16" Bore	1	243276	244111	245090
	2-1/4" Bore	1	---	244113	245092
	2-7/16" Bore	1	---	244115	245094
	2-1/2" Bore	1	---	---	245099
	2-11/16" Bore	1	---	---	245110
	2-15/16" Bore	1	---	---	245112
86	▲ Bushing Screw	6	411407	411408	411435
88	▲ Lock Washer	6	419011	419011	419012
	1-5/16" Bore	1	443264	---	---
	1-3/8" Bore	1	443264	---	---
	1-7/16" Bore	1	443265	443254	---
	1-1/2" Bore	1	443265	443254	---
	1-5/8" Bore	1	443265	443254	---
	1-11/16" Bore	1	443266	443254	---
	Key, ▲ 1-3/4" Bore	1	443266	443254	---
5	Bushing 1-7/8" Bore	1	443287	443255	443251
	to 1-15/16" Bore	1	443269	443255	443251
	Shaft 2" Bore	1	443268	443255	443251
	2-1/8" Bore	1	---	443258	---
	2-3/16" Bore	1	443270	443259	443251
	2-1/4" Bore	1	---	443260	443251
	2-7/16" Bore	1	---	443261	443243
	2-1/2" Bore	1	---	---	443244
	2-11/16" Bore	1	---	---	443245
	2-15/16" Bore	1	---	---	443250
5	▲ Key, Bushing to Output Hub	10	443262	---	443202
	Torque-Arm Assembly ★	1	243254	244254	245254
94	▲ Rod End	1	A73087	A73146	A73146
96	▲ Hex Nut	1	407095	407097	407097
98	▲ Turnbuckle	1	A73089	A73147	A73147
100	▲ Extension	1	A73088	A73148	A73148
102	▲ LH Hex Nut	1	407244	407246	407246
104	▲ Fulcrum	1	243249	246249	246249
106	▲ Fulcrum Screw	1	411484	411484	411484
110	▲ Hex Nut	1	407093	407093	407093
112	▲ RH Adapter Plate	1	243242	244244	245242
114	▲ LH Adapter Plate	1	243241	244243	245241
116	▲ Adapter Bushing	1	243243	245243	245243
118	▲ Adapter Bolt	1	411437	411460	411460
120	▲ Lock Washer	1	419012	419013	419013
122	▲ Hex Nut	1	407089	407091	407091

**PARTS FOR WSCXT1 thru WSCXT5
WASHEX REDUCER**



Reference		No. Req'd.	WSCXT115 & WSCXT125 Part No	WSCXT315 & WSCXT325 Part No	WSCXT415 & WSCXT425 Part No	WSCXT515 & WSCXT525 Part No
3	HOUSING		351225	353219	354419	355219
4	Air Vent	1	A55233	241237	241237	245237
6	Housing Bolt	§	411418	411440	411442	411464
■	Lockwasher	§	419011	419012	419012	419013
■	Washer	1	419092	—	—	419096
10	Hex Nut	§	407087	407089	407089	407091
12	Dowel Pin	2	420092	420055	420055	420110
16	Pipe Plug	5	430031	430031	430031	430033
18	Magnetic Drain Plug	1	430060	430060	430060	430062
20	Countershaft Bearing Cover—Input Side	1	242224	243195	354114	355060
■	Countershaft Bearing Cover Gasket —Input Side	1	—	—	354113	—
■	Countershaft Bearing Cover Screw —Input Side	4	—	—	415022	—
22	Countershaft Bearing Cover —Adapter Side	1	242224	243224	243224	355060
24	Input Shaft Bearing Cover	1	361062	354112	364062	355069
32	Input Shaft 15:1 Ratio and Pinion 25:1 Ratio	1	241302	243009	244009	245009
•	Input Shaft Key	1	241200	243004	244004	245004
34*	Input Shaft Seal	1	443008	443032	443082	443113
36*	Input Shaft Bearing—Input Side Δ	1	241457	243203	244203	245203
38*	Input Shaft Bearing—Adapter Side Δ	1	424112	424087	424089	424013
		1	424111	424000	424002	424088
42	COUNTERSHAFT 15:1 Ratio ASSEMBLY* 25:1 Ratio	1	392090	392094	392096	392098
44*	▲Countershaft and Pinion	1	392091	392095	392097	392099
	▲First Reduction 15:1 Ratio	1	241216	243185	244185	245185
46*	▲Gear 25:1 Ratio	1	241170	243214	244214	245214
	▲Gear Key	1	241171	243212	244212	245212
48*	Countershaft Bearing—Input Side Δ	1	241309	243215	244215	245215
50*	Countershaft Bearing—Adapter Side Δ	1	424006	424002	424073	424010
		1	424006	424000	424069	424010
54*	OUTPUT HUB ASSEMBLY*	1	391029	392106	392107	392108
56*	▲Output Hub	1	241233	243232	244232	245232
58*	▲Output Hub Gear	1	241007	243222	244188	245188
60*	▲Output Hub Gear Key +	1	241217	243216	391015	391026
	▲Snap Ring	1	421013	421021	—	—
62	Output Hub Seal Carrier	1	351114	353083	354083	355052
64	Carrier Screw	6	411405	411407	411407	411407
66	Lockwasher	6	419010	419011	419011	419011
68*	Output Hub Seal	2	351111	353059	354093	355070
70*	Output Hub Bearing—Cone Δ	2	390804	391988	390836	391990
72*	Output Hub Bearing—Cup Δ	2	390809	391989	390841	391991
74*	Output Hub Shim Pack	1 Set ‡	391056	391062	391065	391068
■	.002" Thick	†	427424	427436	427420	427444
■	.005" Thick	†	427425	427437	427421	427445
■	.010" Thick	†	427426	427438	427422	427446
■	.025" Thick	†	427427	427439	427423	427447
75	Bushing Back-Up Plate	2	241266	243308	244099	245114
76	Retainer Ring	2	421111	421109	421108	421107
77	Adapter, Housing Bolts	2	411420	411442	411444	411466

* Includes parts listed immediately below marked "▲." Housing Assembly also includes two-piece housing and adapter.

▲ These parts make up the assemblies under which they are listed. Assembly also includes two-piece housing.

Δ For manufacturer's part number see tables 3, 4 and 5 on page 5.

■ Not shown on drawing.

‡ One set consists of one each of the shims listed immediately below marked "†."

† See last paragraph under "ORDERING PARTS."

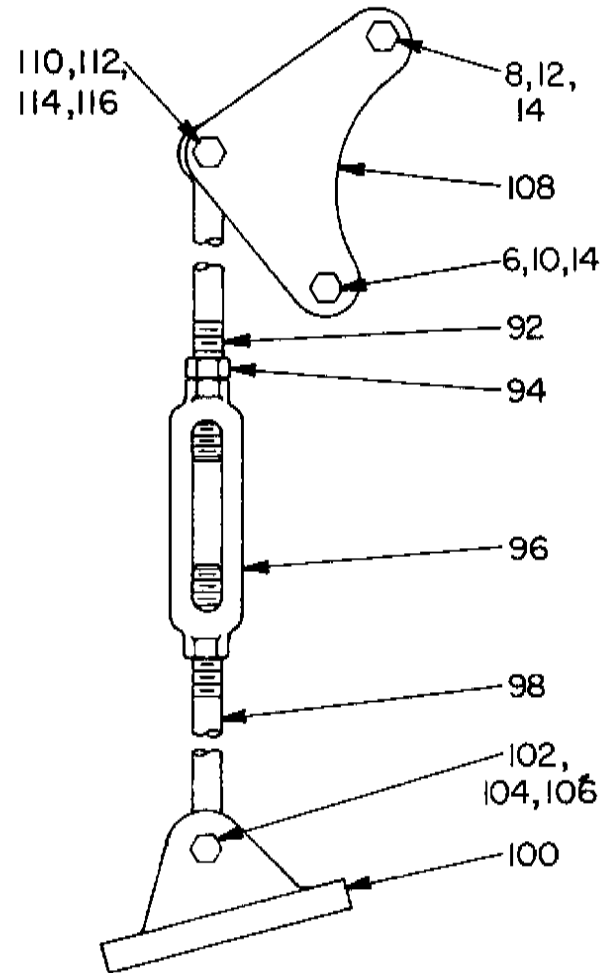
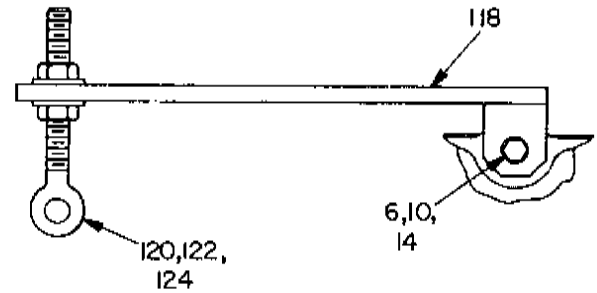
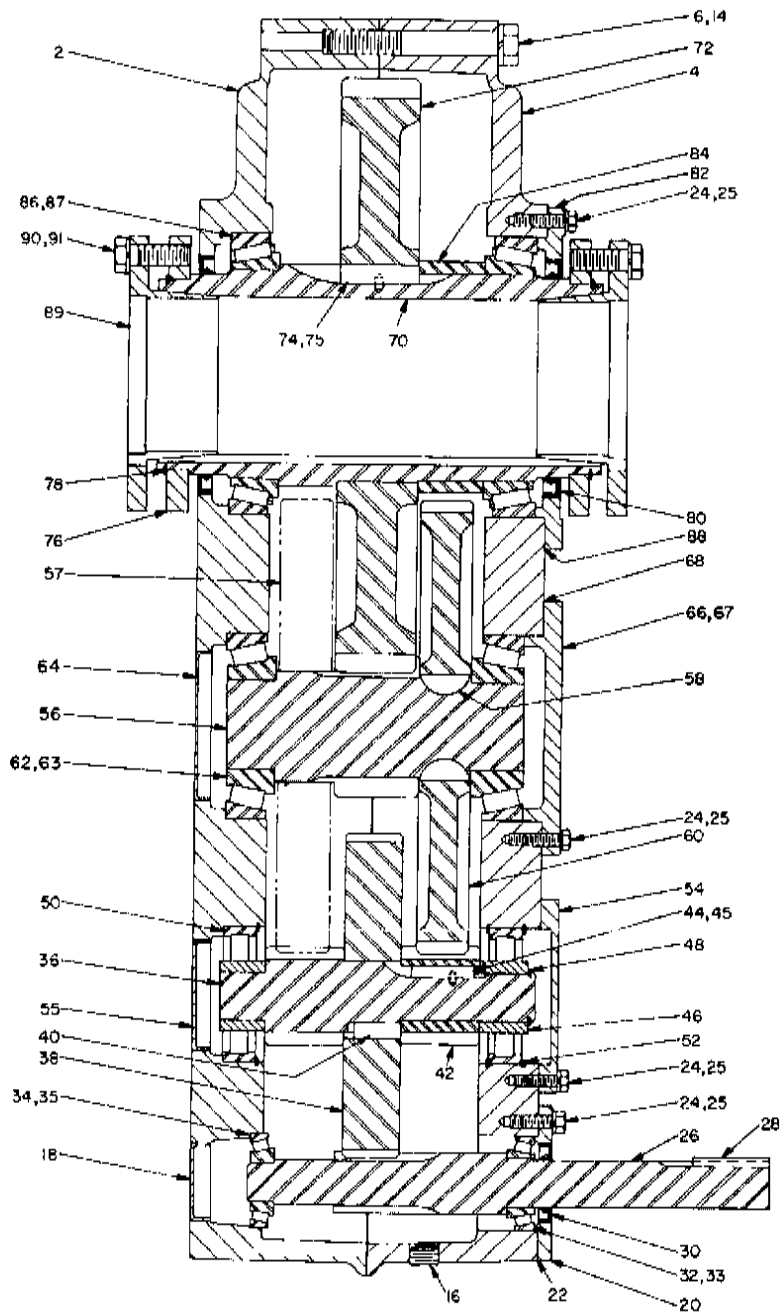
§ 6 required for SCXT1 Series; 8 required for SCXT3, SCXT4 and SCXT5 Series.

+ Includes roll pin for SCXT4 and SCXT5 Series.

* Recommended spare parts.

PARTS FOR NO. 188C BIO-DISC REDUCER

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.



Reference	Name of Part	No. Req'd.	Part No.	Reference	Name of Part	No. Req'd.	Part No.
	HOUSING ASSEMBLY ★	1	021752		Output Countershaft Bearing		
2	▲ Right Housing Half	1	021753	62	Cone — 655 Δ	4	402109
4	▲ Left Housing Half	1	021754	63	Cup — 652A Δ	4	403078
6	▲ Air Vent □	1	430080	64	Output Countershaft Cover — Right Side	2	247224
8	▲ Housing Bolt ‡	12	411542	66	Output C' Shaft Cover — Left Side (R.H.)	1	021765
10	▲ Adapter/Mtr. Mount — Hsg. Bolt ‡	1	411499	67	Output C' Shaft Cover — Left Side (L.H.)	1	021791
12	▲ Adapter/Motor Mount Bolt ‡	2	411268	68	Output C' Shaft Bearing Shim Pack	4 sets ‡	
14	▲ Lockwasher	1	411496		.002" Thick	†	021775
16	▲ Plain Washer	16	419016		.005" Thick	†	021776
18	▲ Dowel Pin	2	419082		.010" Thick	†	021777
20	▲ Pipe Plug	2	420132		.025" Thick	†	021778
22	▲ Magnetic Plug	3	430035				
24		1	430064		OUTPUT HUB ASSEMBLY ★	1	
26	Backstop Cover	1	243224	70	▲ Output Hub	1	021757
28	Input Shaft Seal Carrier	1	021765	72	▲ Output Gear	1	021764
30	Input Shaft Bearing Shim Pack	2 sets ‡		74	▲ Key	2	443387
32	.002" Thick	†	021779	75	▲ Roll Pin	2	409022
34	.005" Thick	†	021780				
36	.010" Thick	†	021781	76	Bushing Back-up Plate	2	272082
38	.025" Thick	†	021782	78	Retaining Ring	2	421097
40	Carrier and Cover Screws	34	411408	80	Output Hub Seal	2	249210
42	Lockwasher	34	419011	82	Output Hub Seal Carrier	1	249221
44				84	Output Hub Spacer	1	021772
46	Input Shaft with Pinion 259162 ←	1	021768		Output Hub Bearing		
48	Input Shaft Key	1	443053	86	Cone — 46790 Δ	2	402160
50	Input Shaft Seal	1	021771	87	Cup — 46720 Δ	2	403110
52	Input Shaft Bearing — Left Side			88	Output Hub Bearing Shim Pack	2 sets ‡	390171
54	Cone — 28159 Δ	1	402275		.002" Thick	†	427505
56	Cup — 28300 Δ	1	403103		.005" Thick	†	427518
58	Input Shaft Bearing — Right Side				.010" Thick	†	427530
60	Cone — 28118 Δ	1	402276		.025" Thick	†	427560
62	Cup — 28300 Δ	1	403103				
	INPUT COUNTERSHAFT ASSEMBLY ★	1			BUSHING ASSEMBLY ★	2	
64	▲ Countershaft with Pinion (R.H.)	1	021761	89	▲ Bushing	2	272087
66	▲ First Reduction Gear	1	021762	90	▲ Bushing Screw	6	411484
68	▲ Gear Key	1	443385	91	▲ Lockwasher	6	419014
70	▲ Countershaft Pinion (L.H.)	1	021760	92	▲ Key, Bushing to Shaft	1	443388
72	▲ Pinion Key	1	443386				
74	▲ Roll Pin	2	460695		TORQUE ARM ASSEMBLY ★		
76				92	▲ Rod End	1	021837
78	Input Countershaft Spacer	2	021774	94	▲ Hex Nut	1	407108
80	Retaining Ring	1	421005	96	▲ Turnbuckle	1	272051
82	Input Countershaft Bearing	2	424075	98	▲ Extension	1	021838
84	Retaining Ring	3	421032	100	▲ Fulcrum	1	272054
86	Input Countershaft Cover — Left Side	1	021767	102	▲ Fulcrum Screw	1	411524
88	Input Countershaft Cover — Right Side	1	355060	104	▲ Lockwasher	1	419024
				106	▲ Hex Nut	1	407104
	OUTPUT COUNTERSHAFT ASSEMBLY						
56	Left Hand Spiral ★	1		108	Adapter Plate	2	249241
57	▲ Countershaft with Pinion	1	021759	110	Adapter Bushing	1	021785
58	▲ L.H. Spiral Second Reduction Gear	1	249005	112	Adapter Bolt	1	411544
	▲ Key	2	248218	114	Lockwasher	1	419020
				116	Hex Nut	1	407099
56	Right Hand Spiral ★	1					
60	▲ Countershaft with Pinion	1	021759	118	Motor Mount Base Plate Assy.	1	021794
62	▲ R.H. Spiral Second Reduction Gear	1	021763	120	Rod End	2	021788
64	▲ Key	2	248218	122	Plain Washer	4	419082
				124	Hex Nut	4	407095

Δ Not shown on drawing.

★ Includes parts listed immediately below marked "▲".

▲ These parts make up the assemblies under which they are listed.

□ Includes bushing and elbow.

‡ Bolts are located on Left Housing half.

‡ Bolts are located on Right Housing half.

‡ One set consists of one each of the shims listed immediately below marked "†".

† See last paragraph under "ORDERING PARTS".

Δ Timken part number.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a Dodge Torque-Arm Reducer can be disassembled and reassembled by careful attention to the instructions following.

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and equipment for heating bearings and gears, should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be used during disassembly and reassembly to avoid damage to the surface which the seals rub on.

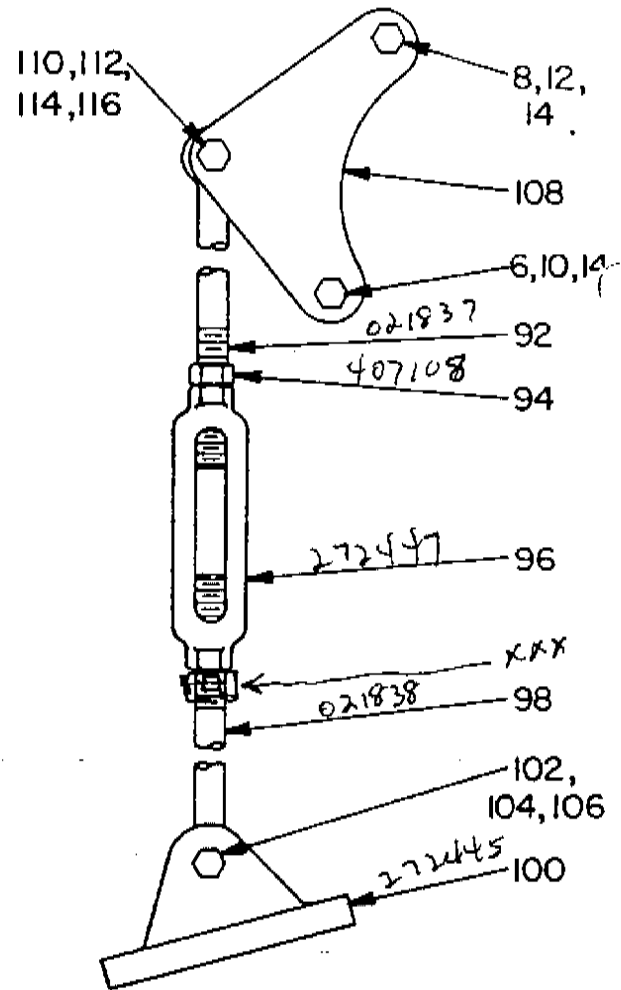
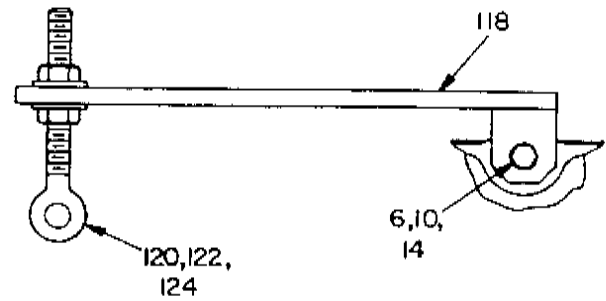
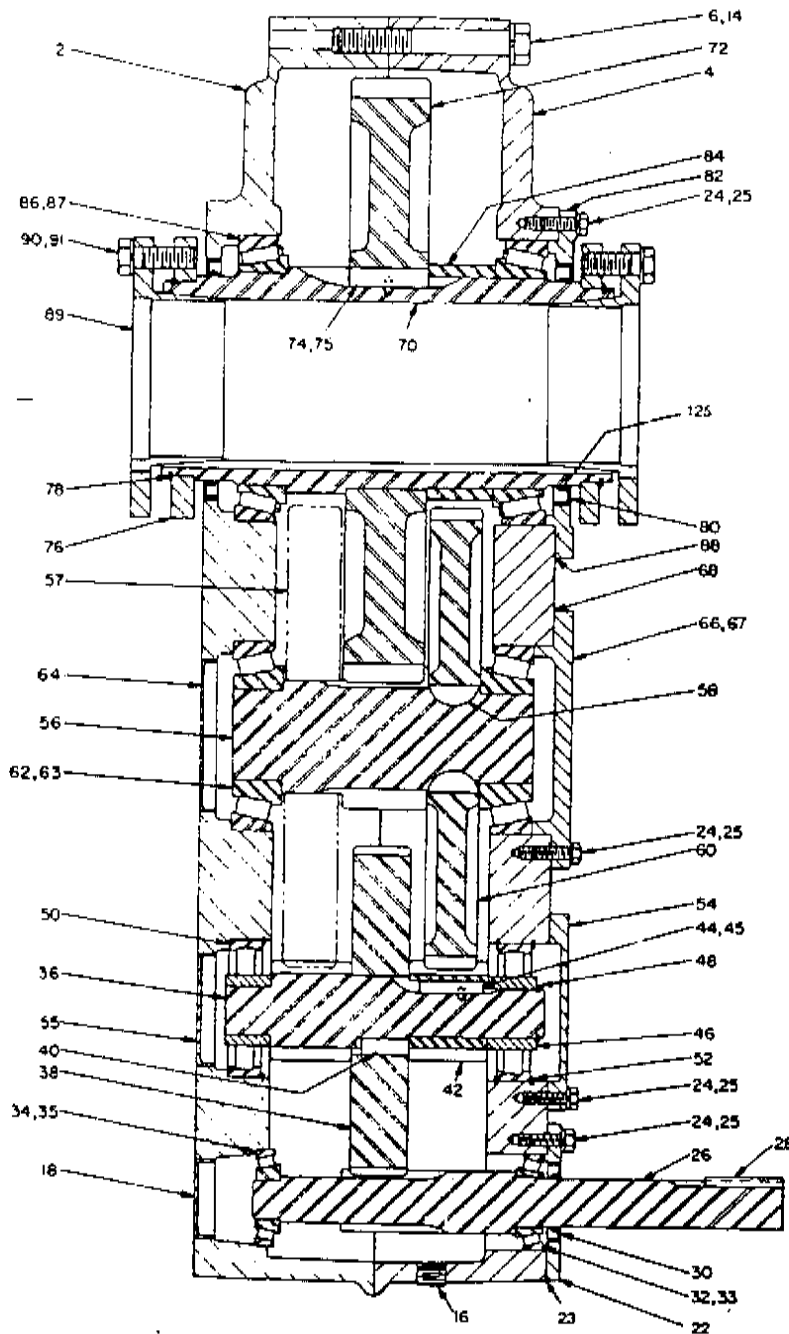
The keyseat in the input shaft as well as any sharp edges on the output hub should be covered with scotch tape or paper before disassembly or reassembly. Also be careful to remove any burrs or nicks on surfaces of input shaft and output hub before disassembly or reassembly.

ORDERING PARTS:

When ordering parts for reducer specify Reducer Size No., Reducer Serial No., part name, part number, (where available) and quantity.

PARTS FOR NO. 188D BIO-DISC REDUCER

NOTE: The two digit numbers are for reference only. Order parts by the six digit numbers in the Parts List. Each six digit number is a complete identification of the part or assembly.



Reference	Name of Part	No. Req'd.	Part No.	Reference	Name of Part	No. Req'd.	Part No.
2	HOUSING ASSEMBLY	1	021835		Output Countershaft Bearing		
4	▲ Air Vent ☐	1	430049	62	Cone — 655 Δ	4	402109
6	▲ Housing Bolt 1	12	411542	63	Cup — 652A Δ	4	403078
8	▲ Adapter/Motor Mount — Hsg. Bolt 1	1	411499	64	Output Countershaft Cover — Right Side	2	247224
10	▲ Adapter/Motor Mount Bolt 1	2	411268	66	Output C' Shaft Cover — Left Side (R.H.)	1	021765
12	▲ Adapter/Motor Mount Bolt 1	1	411496	67	Output C' Shaft Cover — Left Side (L.H.)	1	021791
14	▲ Lockwasher	16	419016	68	Output C' Shaft Bearing Shim Pack	4 sets †	389922
1	▲ Plain Washer	2	419082		OUTPUT HUB ASSEMBLY*	1	
1	▲ Dowel Pin	2	420132	70	▲ Output Hub	1	021757
16	▲ Pipe Plug	3	430035	72	▲ Output Gear	1	021764
1	▲ Magnetic Plug	1	430064	74	▲ Key	2	443387
18	Backstop Cover	1	243224	75	▲ Roll Pin	2	409022
22	Input Shaft Seal Carrier	1	021769	76	Bushing Back-up Plate	2	272082
23	Input Shaft Bearing Shim Pack	2 sets †	389921	78	Retaining Ring	2	421097
24	Carrier and Cover Screws	34	411408	80	Output Hub Seal	2	021733
25	Lockwasher	34	419011	82	Output Hub Seal Carrier	1	249221
26	Input Shaft with Pinion	1	259162	84	Output Hub Spacer	1	021772
28	Input Shaft Key	1	443053		Output Hub Bearing		
30	Input Shaft Seal — NO WEAR SLEEVE	1	021771	86	Cone — 46790 Δ	2	402160
	Input Shaft Bearing — Left Side			87	Cup — 46720 Δ	2	403110
32	Cone — 28159 Δ	1	389917	88	Output Hub Bearing Shim Pack	2 sets †	390171
33	Cup — 28300 Δ	1	389919	125	Seal Wear Sleeve(s)	†	021731
	Input Shaft Bearing — Right Side				BUSHING ASSEMBLY*	1	021832
34	Cone — 28118 Δ	1	389918	89	▲ Bushing	2	272087
35	Cup — 28300 Δ	1	389919	90	▲ Bushing Screw	6	411484
125	Output Seal Wear Sleeve	2	021731	91	▲ Lockwasher	6	419014
	INPUT COUNTERSHAFT ASSEMBLY*	1		1	▲ Key, Bushing to Shaft	1	443388
36	▲ Countershaft with Pinion (R.H.)	1	021761		TORQUE ARM ASSEMBLY*		
38	▲ First Reduction Gear	1	021762	92	▲ Rod End	1	021837
40	▲ Gear Key	1	443385	94	▲ Hex Nut	1	407107
42	▲ Countershaft Pinion (L.H.)	1	021760	96	▲ Turnbuckle	1	272447
44	▲ Pinion Key	1	443386	98	▲ Extension	1	021838
45	▲ Roll Pin	2	460695	99	▲ Hex Nut	1	407109
46	Input Countershaft Spacer	2	021774	100	▲ Fulcrum	1	272445
48	Retaining Ring	1	421005	102	▲ Fulcrum Screw	1	411303
50	Input Countershaft Bearing 424233 †	2	424075	104	▲ Lockwasher	1	419142
52	Retaining Ring 021834	3	421032	106	▲ Hex Nut	1	407103
54	Input Countershaft Cover — Left Side	1	021767	108	Adapter Plate	2	249241
55	Input Countershaft Cover — Right Side	1	355060	110	Adapter Bushing	1	021785
	OUTPUT COUNTERSHAFT ASSEMBLY			112	Adapter Bolt	1	411532
	Left-Hand Spiral *	1		114	Lockwasher	1	419141
56	▲ Countershaft with Pinion	1	021759	116	Hex Nut	1	407101
57	▲ L.H. Spiral Second Reduction Gear	1	249005	118	Motor Mount Base Plate Assembly	1	259163
58	▲ Key	2	248218	120	Rod End	2	021788
	Right-Hand Spiral *	1		122	Plain Washer	4	419082
56	▲ Countershaft with Pinion	1	021759	124	Hex Nut	4	407095
60	▲ R.H. Spiral Second Reduction Gear	1	021763				
58	▲ Key	2	248218				

1 Not shown on drawing.

* Includes parts listed immediately below marked "▲."

▲ These parts make up the assemblies under which they are listed.

☐ Includes bushing and elbow.

1 Bolts are located on Left Housing half.

1 Bolts are located on Right Housing half.

† See last paragraph under "ORDERING PARTS."

Δ Timken part number.

REPLACEMENT OF PARTS

IMPORTANT:

Using tools normally found in a maintenance department, a DODGE TORQUE-ARM reducer can be disassembled and reassembled by careful attention to the instructions following.

Cleanliness is very important to prevent the introduction of dirt into the bearings and other parts of the reducer. A tank of clean solvent, an arbor press, and equipment for heating bearings and gears, should be available for shrinking these parts on shafts.

Our factory is prepared to repair reducers for customers who do not have proper facilities or who for any reason desire factory service.

The oil seals are of the rubbing type and considerable care should be used during disassembly and reassembly to avoid damage to the surface which the seals rub on.

The keyseat in the input shaft as well as any sharp edges on the output hub should be covered with scotch tape or paper before disassembly or reassembly. Also be careful to remove any burrs or nicks on surfaces of input shaft and output hub before disassembly or reassembly.

