

Instruction for installation of Harness axis 1-4 on IRB66X0(S) and IRB 7600 as spare part.

Spare part no. 3HAC 025503-001 Cable Harness manipulator axis 1-4 (Based on 3HAC14940-1)
 3HAC 025504-001 Cable Harness manipulator axis 1-4 (Based on 3HAC16331-1)

Contents of 3HAC025503-001 and 3HAC025504-001

| Item | Qty | Description | Part no. |
|--------|-----|--|---------------------------------------|
| 1 or | 1 | Cable harness man. axis 1-4 | 3HAC14940-1 |
| 1 | 1 | Cable harness man. axis 1-4 | 3HAC16331-1 |
| and | | | |
| 2 | 1 | Cable protector | 3HAC14300-1 |
| 3 | 1 | Cable protection lower arm type-a | 3HAC020958-001 |
| 4 | 1 | Cable protection lower arm type-b | 3HAC021071-001 |
| 5 | 2 | Torx pan head screw M6x16 | 9ADA618-56 |
| 6 | 4 | Velcro strap | 3HAC12625-1 |
| 7 | 1 | Instruction for Spare Part Harness ax. 1-4 | 3HAC025507-001 |
| Others | | | |
| 8 | - | Loctite 243 | (not included in the Spare Part kit.) |

1. Installation of cable protection parts.

1. Change the rectangular Cable protector/item 2.

Note! Install it with the opening according to figure 1.

2. Install the Cable protection lower arm/item 3 or 4 with 2x M6x16/item 5. Secure the bolts with Loctite 243/item 8. Use the proper size of Cable protection lower arm type-a or b.

Item 3 type-a on IRB 66X0 Type-A.

Item 4 type-b on IRB 66X0 Type-B, IRB 6650S and IRB 7600.

Note The brass bushing installed in two of the holes for the M6 must perhaps be moved to another hole to fit the installation on IRB66X0 or 7600.

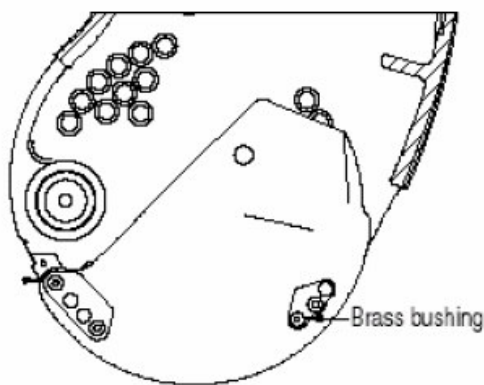
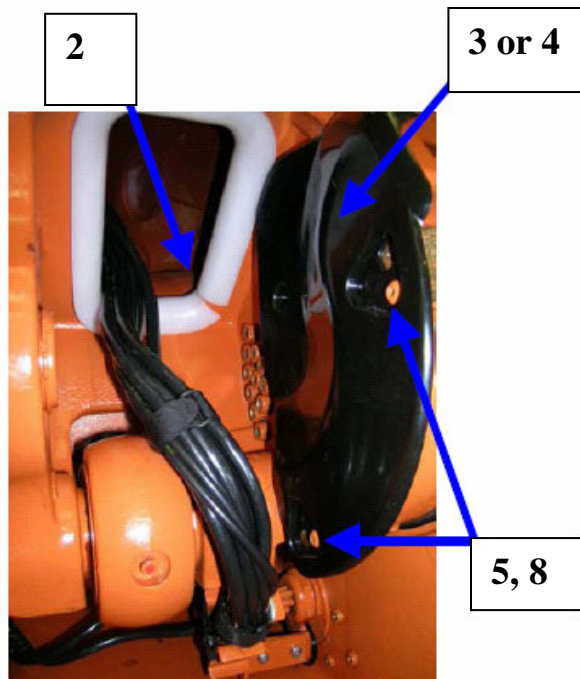



Figure 1



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| | | | |
|---|---------------------------------------|---------------------------------------|-------------------|
| Prepared L Gabrielsson, 050912 | Responsible department ATMA/RO/RMA | Description Assembly Instruct. | |
| Approved S Lundström, 050912 | Take over department | Inst. of spare part Harness axis 1-4. | Page 1 |
| Status Approved | | Inst. av reservdelskablage axel 1-4. | No. of pages 3 |
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2. Installation of straps.

2. 1 Manipulator without internal Customer harness (MH)

Install the Velcro strap/item 6 about 190 mm above the attachment according to figure 2.

1. Wind two turns around the cable with largest diameter.
2. Tighten the band and then wind one turn around all Manipulator cables.
3. Tighten the band.
4. Lock the strap. The end of the strap must be cover by the Velcro.

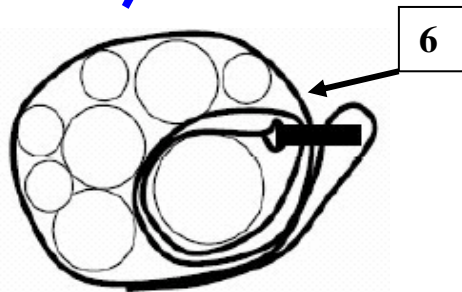
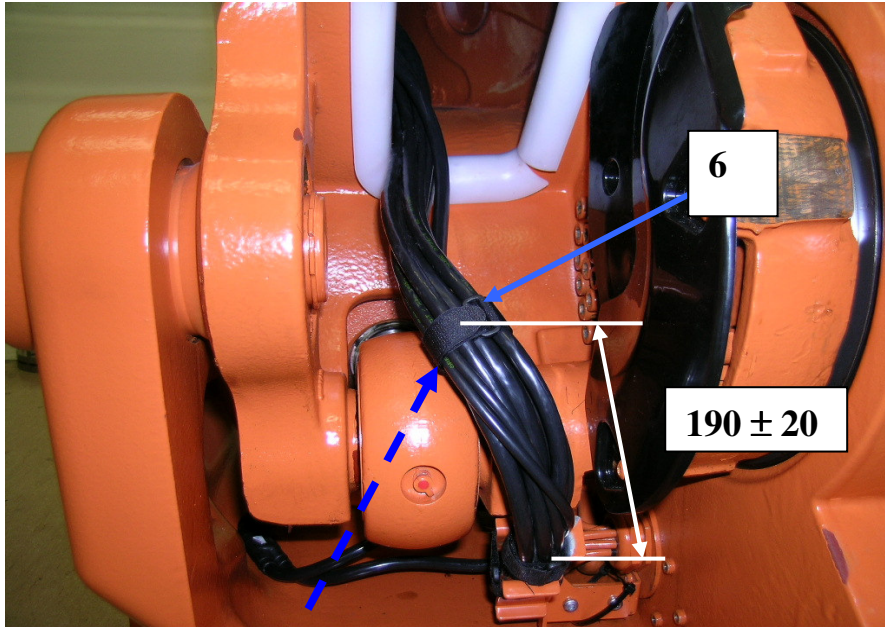


Figure 2

2. 2 Manipulator with internal Customer harness (MH)

Install the Velcro straps/item 6 at the attachment and 190 mm above according to figure 3 and 4.

1. Wind one turn around the air hose.
2. Tighten the band and then wind one turn around all cables according to the figure 4.
3. Tighten the band.
4. Lock the strap. The end of the strap must be cover by the Velcro.
5. Note! Correct routing of the harness inside the lower is very important! Refer to information in figure 4. See RSI10112 for detail information.

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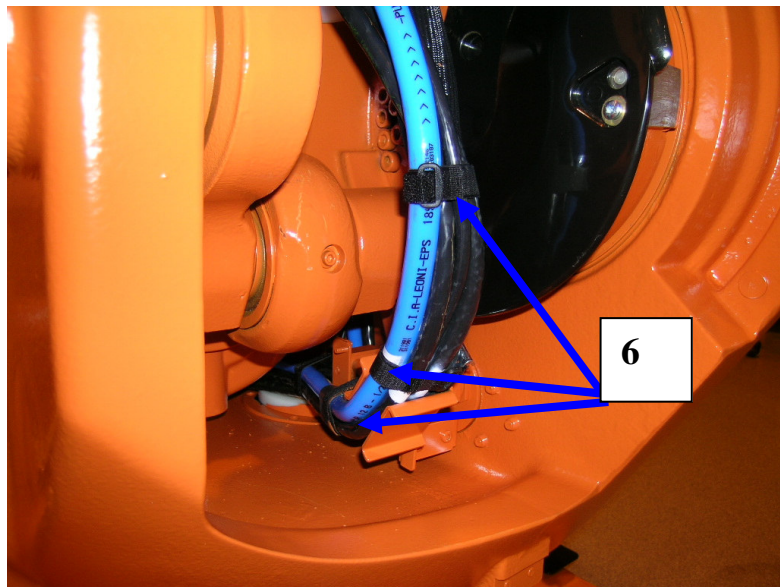


Figure 3

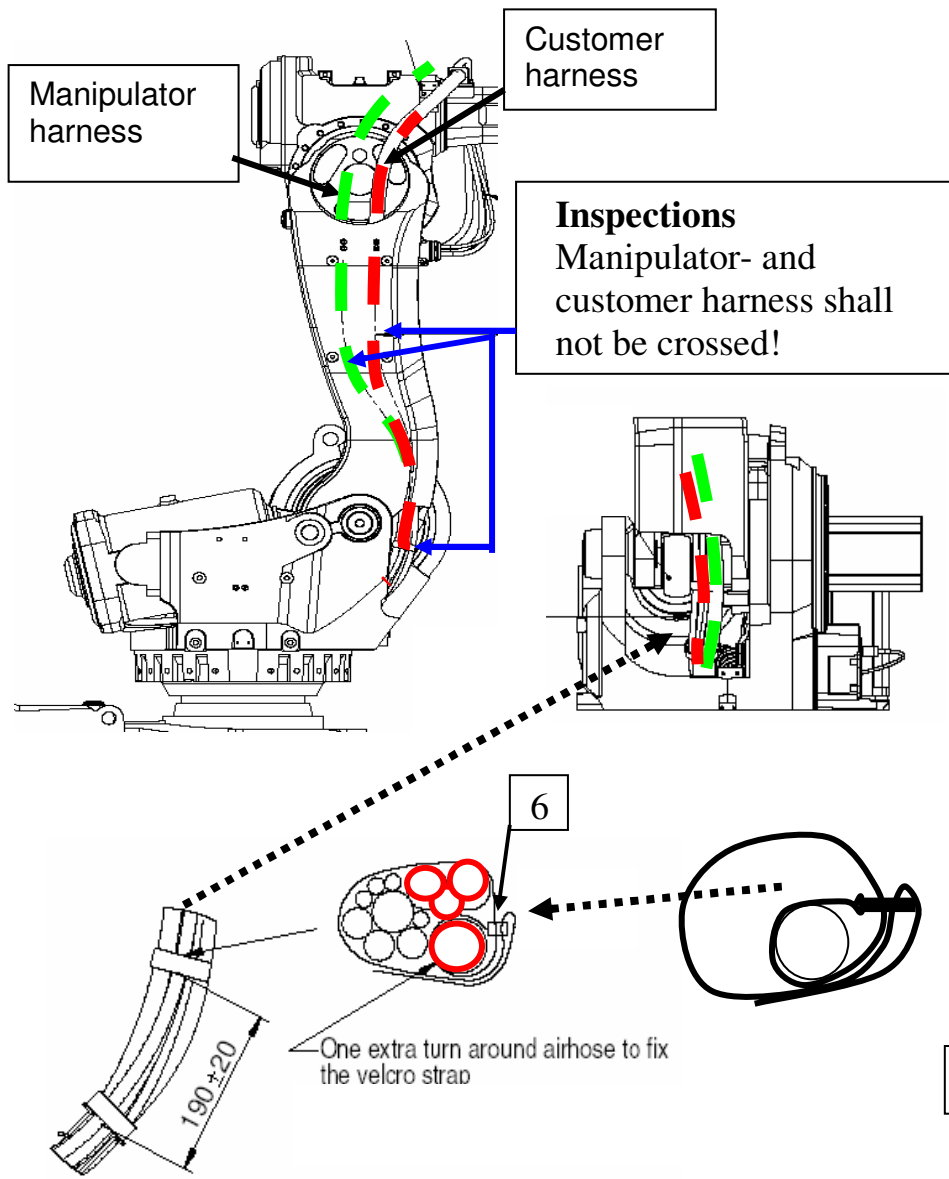


Figure 4

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