

Rebuilt Westinghouse Circuit Breaker Operating Mechanisms Types AA-7, AA-10, AA-14

Application

Replacing worn circuit breaker operating mechanisms with a factory rebuilt unit is a faster, safer, and more economical alternative to field modification.

Features

- Rebuilt Mechanisms are delivered ready to install.
- All components are replaced or rebuilt to original specifications.
- All rebuilt mechanisms are tested prior to shipment.
- Available rebuilt mechanisms can be used while your unit is being rebuilt to provide uninterrupted service.
- All rebuilt mechanisms carry a full one year, new equipment warranty.
- Credit is issued for a rebuild-able core mechanism.

Benefits

- Improved equipment performance
- Improved equipment reliability
- Cost-effective method of extending equipment lifespan
- Reduced long-term operation and maintenance costs
- Fast and efficient replacement of rebuilt units

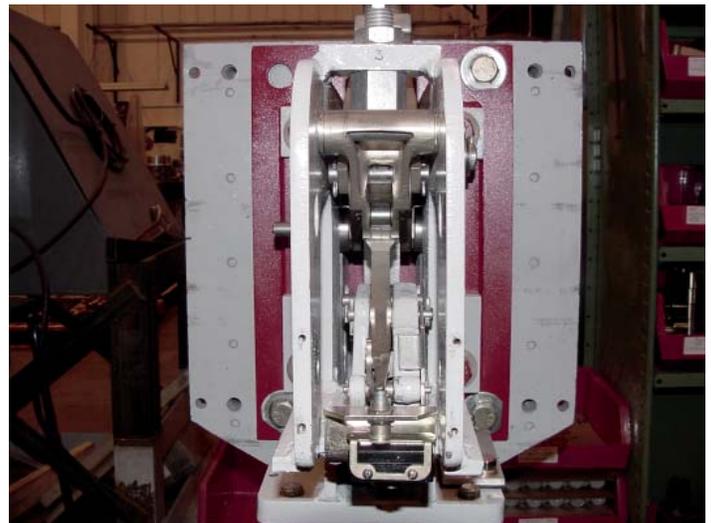
Description

Mechanisms brought in for rebuilding are completely dismantled and all parts cleaned and checked for any signs of wear or out-of-tolerance conditions. Mechanism frames are sandblasted and placed on a coordinate measuring machine that measures dimensions accurate to .0006 inches in three dimensions. Computer controlled measurements are then made on 25 critical dimensions. The computer printout provides comparisons of actual versus drawing dimensions and any out-of-tolerance conditions found are corrected by either repair or replacement. In some cases, burning off and rewelding of some items, plugging and redrilling out-of-round holes or remachining may be required. All parts are completely refinished and the mechanism then reassembled to original drawing and assembly specifications, using new parts where necessary. Final adjustments, checks and tests are made to verify that the rebuilt mechanism is equal to, or better than the original.

ABB stocks some rebuilt AA mechanisms. Contact us for availability.



Every mechanism is rebuilt to the highest quality standards and calibrated to very precise dimensions



Replaced/refurbished components give rebuilt mechanisms new or better than new reliability

Parts replaced during the rebuilding process:

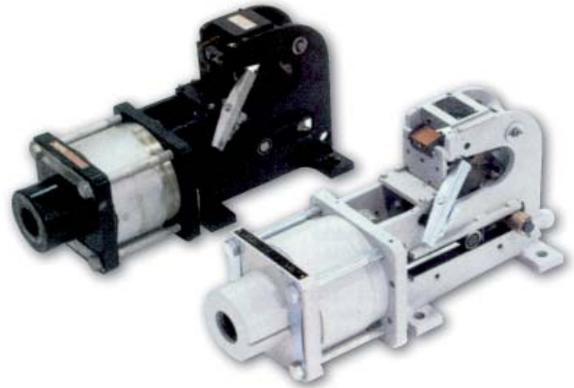
- Latches
- Catches
- Triggers
- Rollers
- Springs
- Bearing
- Piston Rings

Expert Service

Sometimes a mechanism cannot be sent to ABB for rebuilding, you need help troubleshooting a performance issue, or you lost your inhouse Westinghouse expert. For any of these cases, and more, ABB is here to support you. Since purchasing the high voltage circuit breaker lineage in 1989, ABB has been the OEM qualified parts and service provider for this equipment. ABB has the only support service organization in North America with the proper tooling and factory training to work on Westinghouse circuit breakers (oil & SF₆).



In service Westinghouse oil circuit breaker with an AA-10 mechanism in the control cabinet



Before (left) and after (right) rebuilding of AA-10 mechanism

For more information, please contact:

ABB Inc.

High Voltage Service
100 Distribution Circle
Mount Pleasant, Pennsylvania, USA
Phone: +1 (724) 696-1300
Fax: +1 (724) 696-1379

www.abb.us/hvservice

Note:

The information contained in this document is for general information purposes only. While ABB strives to keep the information up to date and correct, it makes no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related graphics contained in the document for any purpose. Any reliance placed on such information is therefore strictly at your own risk. ABB reserves the right to discontinue any product or service at any time.

© Copyright 2013 ABB. All rights reserved.