BREAKER SERVICE INC
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888-267-7690 fax
Email: sales@BreakerService.com
We Specialize in Spare Parts for New & Obsolete Substation Equipment Including Transformers & Circuit Breakers
The following pages are only a representative sample of the type of parts that Breaker Service can provide from stock.

We have over 100,000 parts in stock.

Please call with your specific needs.
AA-7
MECHANISM
ROSS PILOT
BSI PART 37450AMK

ROSS PILOT VALVE REBUILD KIT
BSI KIT K12274

ROSS MAIN CONTROL VALVE REPAIR KIT
1/4, 3/8 & 1/2
BSI 37887AMK

1/2, 3/4 & 1
BSI 37169AMK

1-1/4 & 1-1/2
BSI 37882AMK

INCLUDES QTY 1 EACH:
37450AMK, K12274, 37887AMK, 37169AMK & 37882AMK
Old Style Valve Body

New Style Valve Body

Field Notes:
This kit rebuilds all Ross pilot valves, both new and old style.
It contains all gaskets, seals, & the poppet. Some parts may not be used depending on the
particular mechanism, vintage of the valve, and adapters used.
Completely clean all grease from the valve body.
Use care not to scratch the sealing surfaces.
Do not lubricate any internal parts of the pilot valve.
There should be only one spring in the pilot valve - it is located under the poppet as shown in the drawing.
If the sealing surfaces are scored, then the valve must be replaced.

Time the breaker before (if possible) and after rebuilding the pilot valve.

Use Item 23 & 24 for the Westinghouse style main control valve with adapter block.
Use Items 17 for Ross main valves with ports 1" & smaller
Use Items 18 & 22 for Ross main valves with ports larger than 1"

The internal parts (Items 2, 4, 5, & 6) are the same for the old & new style
pilot valve bodies, but not illustrated above for the old style valve body.
Field Installation Note:
Cut smooth end to length in field
Westinghouse AA-7 main control valve

Assemble parts for AA-7 same as shown below for AA-10

Westinghouse AA-10 main control valve

<table>
<thead>
<tr>
<th>Item No</th>
<th>BSI part #</th>
<th>Description</th>
<th>Qty</th>
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<tr>
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<td>30526/37131AMK</td>
<td>gasket</td>
<td>1</td>
</tr>
<tr>
<td>36</td>
<td>37990AMK</td>
<td>adapter</td>
<td>1</td>
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<tr>
<td>37</td>
<td>211247D/37124AMK</td>
<td>o-ring</td>
<td>2</td>
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<tr>
<td>38</td>
<td>37480AMK</td>
<td>Ross pilot valve</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>37134AMK</td>
<td>socket head cap screw, 1/4-20 x 1</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>38986AMK</td>
<td>socket head cap screw, 3/8-16 x 1</td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td>37144AMK</td>
<td>lock washer, 3/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>37145AMK</td>
<td>lock washer, 1/4&quot;</td>
<td>2</td>
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Notes:
1. Always turn the breaker before (if possible) and after replacing the pilot valve to ensure proper closing speed.
2. This kit is for use on the mechanisms listed below that are used on oil circuit breakers and the Westinghouse model 8900SF (GCB).
3. If replacing a Norgren pilot valve with an external pilot pressure feed into port "P" on the old Norgren pilot valve, remove and discard the pipe plug from port "X1" on the new Ross pilot valve and connect the external pilot pressure tubing to the port on the Ross pilot valve marked "X1". The port on the Ross pilot valve marked "Y3" is the pilot exhaust and should always remain unplugged.
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>37748AMK</td>
<td>Spring 1735863 / 1D61130H05 / 5086B49H06</td>
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<td>22343</td>
<td>O-ring 1644476 / 5492C48H19 / 5086B49H07</td>
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<td>Spring 1644423 / 23D2758H04 / 5086B49H04</td>
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<td>Piston Ring 1644477 / 534538 / 23B2997H31 / 5086B49H02</td>
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<td>37750AMK</td>
<td>Spring 1644424 / 23D2758H05 / 5086B49H05</td>
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<td>1</td>
<td>37747AMK</td>
<td>Locking Clip 1216890 / 6D3617H18 / 5086B49H09</td>
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<td></td>
<td>1</td>
<td>30525 / 37131AMK</td>
<td>Gasket 1589256 / 1659B85H01 / 5086B49H08</td>
</tr>
</tbody>
</table>

**BREAKER SERVICE INC**
800-402-4390 office  908-267-7490 fax
Kit to rebuild Westlinghouse AA-7
Main Control Valve

**NOTE**: This document contains confidential information. Reproduction in part or as a whole without the written permission of Breaker Service Inc. is prohibited. Copyright 2003.
Rebuild instructions:

1. Do not proceed if you are not qualified for this work.
2. Make breaker & mechanism safe for work.
3. Disassemble and gently clean valve.
4. Reassemble using new seals per drawing.
5. Items 12 & 13 are used with older main valves.
6. Item 3 is used with newer main valves.
7. Take special note of the location of item 19.
Parts shown with item numbers are included in the rebuild kit

Rebuild instructions:
1. Do not proceed if you are not qualified for this work.
2. Make breaker & mechanism safe for work.
3. Disassemble and gently clean valve.
4. Reassemble using new seals per drawing.
5. Items 3, 6 & 8 are common to both valves.
7. Discard unused parts.

Rebuild kit for Norgren D0042A or D0072A main control valve used on Siemens & Westinghouse type SP gas circuit breakers.
Assy includes nut, gasket, & gasket retainer cup for 1.05" O.D. pipe
Assy includes nut, gasket, & gasket retainer cup for 0.875" O.D. pipe.
INSTRUCTIONS

THE FUNCTION OF THE LATCH CHECK SWITCH IS TO INSURE THAT THE MECHANISM IS COMPLETELY RETRIEVED AND THE TRIP FREE LATCH SYSTEM IS FULLY ENGAGED BEFORE ANY CLOSING OR RECLOSED OPERATION IS ATTEMPTED ELECTRICALLY.

BEFORE ATTEMPTING TO REPLACE THE SWITCH OPEN THE BREAKER AND ADJACENT DISCONNECT SWITCHES, DE-ENERGIZE ALL CONTROL AND AUXILIARY POWER. CLOSE THE MAIN HAND SHUTOFF VALVE BETWEEN THE RESERVOIR AND THE CONTROL VALVE. DEPRESS MOMENTARILY THE PUSHDOWN ON THE PILOT VALVE TO EXHAUST THE HIGH PRESSURE AIR BETWEEN THE SHUTOFF VALVE AND CONTROL VALVE. INSURE THE MECHANISM IS IN THE OPEN POSITION BEFORE REMOVING THE OLD SWITCH AND MTG BRACKET. INSTALL THE NEW MTG BRACKET WITHOUT THE SWITCH USING THE OLD MTG HARDWARE. INSTALL THE NEW SWITCH IN THE BRACKET AND ADJUST THE HEIGHT SO THE SWITCH "MAKES" CONTACT .03 TO .06 IN. BEFORE THE TRIP FREE TRIGGER AND CATCH ARE IN THE RESET POSITION. LISTEN FOR AN AUDIBLE "CLICK" FROM THE SWITCH. WIRE TO THE "NORMALLY OPEN" AND "COMMON" TERMINALS. PICTURE ON THIS DRAWING SHOW THE TRIGGER IN THE RESET POSITION WITH THE TRIP FREE LATCH SYSTEM ENGAGED AND SWITCH PLUNGER DEPRESSED TO .03 TO .06 IN BEYOND CONTACT "MAKE" POSITION.
Replaces Westinghouse # 1616101

Coil, trip for SA-7, AA-7, and other breaker mechanisms.
125vdc
White dot color code

48" long leads

Thermostat
Westinghouse # 266C072H09
Color code: one white dot
Ratchet action is 45 degrees counter clockwise when looking into the shaft. The lever arm is adjustable 360 degrees.

Replacement for:
GE # 0138A7031P1 - ATB breaker
GE # 0137A0180P6 - ATB breaker
AA-10
MECHANISM
ROSS PILOT
BSI PART 37450AMK

ROSS PILOT VALVE REBUILD KIT
BSI KIT K12274

ROSS MAIN CONTROL VALVE REPAIR KIT
1/4, 3/8 & 1/2
BSI 37887AMK

1/2, 3/4 & 1
BSI 37169AMK

1-1/4 & 1-1/2
BSI 37882AMK

INCLUDES QTY 1 EACH:
37450AMK, K12274, 37887AMK, 37169AMK & 37882AMK
Field Notes:
This kit rebuilds all Ross pilot valves, both new and old style.
It contains all gaskets, seals, & the poppet. Some parts may not be used depending on the
particular mechanism, vintage of the valve, and adaptors used.
Completely clean all grease from the valve body.
Use care not to scratch the sealing surfaces.
Do not lubricate any internal parts of the pilot valve.
There should be only one spring in the pilot valve - it is located under the poppet as shown in the drawing.
If the sealing surfaces are scored, then the valve must be replaced.

Time the breaker before (if possible) and after rebuilding the pilot valve.

Use Item 23 & 24 for the Westinghouse style main control valve with adapter block.
Use Items 17 for Ross main valves with ports 1" & smaller.
Use Items 18 & 22 for Ross main valves with ports larger than 1"

The Internal parts (Items 2, 4, 5, & 6) are the same for the old & new style pilot valve bodies, but not illustrated above for the old style valve body.
Westinghouse AA-7 main control valve

Assemble parts for AA-7, same as shown below for AA-10

Westinghouse AA-10 main control valve

<table>
<thead>
<tr>
<th>Item No</th>
<th>BSI part #</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>30525/37131AMK</td>
<td>gasket</td>
<td>1</td>
</tr>
<tr>
<td>36</td>
<td>37990AMK</td>
<td>adapter</td>
<td>1</td>
</tr>
<tr>
<td>37</td>
<td>2112470/37124AMK</td>
<td>o-ring</td>
<td>2</td>
</tr>
<tr>
<td>38</td>
<td>37420AMK</td>
<td>Ross pilot valve</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>37134AMK</td>
<td>socket head cap screw, 1/4-20 x 1</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>38996AMK</td>
<td>socket head cap screw, 3/8-16 x 1</td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td>37144AMK</td>
<td>lock washer, 3/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>66</td>
<td>37145AMK</td>
<td>lock washer, 1/4&quot;</td>
<td>2</td>
</tr>
</tbody>
</table>

Notes:
1. Always time the breaker before (if possible) and after replacing the pilot valve to ensure proper closing speed.
2. This kit is for use on the mechanisms listed below that are used on oil circuit breakers and the Westinghouse model 2500SF GCB.
3. If replacing a Norgren pilot valve with an external pilot pressure feed into port "F" on the old Norgren pilot valve, remove and discard the pipe plug from port "X1" on the new Ross pilot valve and connect the external pilot pressure tubing to the port on the Ross pilot valve marked "X1". The part on the Ross pilot valve marked "Y3" is the pilot exhaust and should always remain unplugged.

BREAKER SERVICE INC
800-625-5299 office - 800-625-5299 fax
Kit to replace the Westinghouse "magnet valve" pilot valve or Norgren D035A pilot valve on AA-7, AA-10, & AA-14 W.H. main control valves with a Ross pilot valve - see notes for limitations

REV: A 37993AMK 4
Rebuild instructions:
1. Do not proceed if you are not qualified for this work
2. Make breaker & mechanism safe for work
3. Disassemble and gently clean valve
4. Reassemble using new seals per drawing
5. Items 12 & 13 are used with older main valves
6. Item 1 is used with newer main valves
7. Take special note of the location of item 19
8. Sparsely lubricate orings with Parker Superubex
FIELD NOTES:
Time the breaker before & after you rebuild the main closing control valve.
Apply only a very thin film of the supplied grease to the moving piston seal on the upper poppet. All static o-rings (items 20, 37, 2, 3, & 38) should be lightly coated with a high quality o-ring grease such as Dow Corning # 111.
All the gaskets and o-rings may not be necessary depending on the exact configuration of your control valve.
Parts shown with item numbers are included in the rebuild kit.

Rebuild instructions:
1. Do not proceed if you are not qualified for this work.
2. Make breaker & mechanism safe for work.
3. Disassemble and gently clean valve.
4. Reassemble using new seals per drawing.
5. Items 3, 6 & 8 are common to both valves.
7. Discard unused parts.

Breaker Service Inc
800-806-3300 office 908-367-7490 fax

Rebuild kit for Norgren D0042A or D0072A main control valve used on Siemens & Westinghouse type SP gas circuit breakers.
CAUTION III
The new piston is shipped with a white ring on it.
DO NOT discard this ring.
This ring serves 3 functions:
A) To protect the piston, guide rings, and omniseal.
B) As a re-sizing tool when the omniseal is installed.
C) As the installation tool to insert the piston into the valve.

Failure to follow this instruction will cause concealed damage to the piston guide rings and omniseal. To install the piston, make sure that the hollow side of the piston is facing into the valve and at the bottom of the narrow end of the installation ring. Center the piston and installation ring over the bore and hold it flush with the face of the valve. Gently push the piston through the ring directly into the bore. This will prevent the guide rings and omniseal from expanding as they enter the bore, thus avoiding damage from the edge of the bore.
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY</th>
<th>DESCRIPTION</th>
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<td>Gasket</td>
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<td>2</td>
<td>1</td>
<td>Retainer</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Nut</td>
</tr>
</tbody>
</table>

Dresser coupling assembly for Westinghouse AA-10 pneumatic operating mech. For 1.200 inch O.D. pipe.

PROPRIETARY AND CONFIDENTIAL
Note:
This particular manifold configuration shows two flanges, requiring 2 gaskets. Not all AA-10 mechs have 2 flanges. Check your breaker for your particular needs. Order one gasket (part# 30523) per flange.
AA-14
MECHANISM
CAUTION !!!
The new piston is shipped with a white ring on it.
DO NOT discard this ring.
This ring serves 3 functions:
A) To protect the piston, guide rings, and omniseal.
B) As a re-sizing tool when the omniseal is installed.
C) As the installation tool to insert the piston into the valve.

Failure to follow this instruction will cause concealed
damage to the piston guide rings and omniseal. To install
the piston, make sure that the hollow side of the piston is
facing into the valve and at the bottom of the narrow end
of the installation ring. Center the piston and installation ring
over the bore and hold it flush with the face of the valve.
Gently push the piston through the ring directly into the bore.
This will prevent the guide rings and omniseal from expanding
as they enter the bore, thus avoiding damage from the edge
of the bore.

Use which ever nut fits the valve stem, items 5 or 30
Westinghouse AA-7 main control valve

Assemble parts for AA-7 same as shown below for AA-10

Westinghouse AA-10 main control valve

<table>
<thead>
<tr>
<th>Item No</th>
<th>BSI part #</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>30525/37131AMK</td>
<td>gasket</td>
<td>1</td>
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<tr>
<td>36</td>
<td>37990AMK</td>
<td>adapter</td>
<td>1</td>
</tr>
<tr>
<td>37</td>
<td>211247D/37124AMK</td>
<td>o-ring</td>
<td>2</td>
</tr>
<tr>
<td>38</td>
<td>37450AMK</td>
<td>Ross pilot valve</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>37134AMK</td>
<td>socket head cap screw, 1/4-20 x 1</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>37996AMK</td>
<td>socket head cap screw, 3/8-16 x 1</td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td>37144AMK</td>
<td>lock washer, 3/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>66</td>
<td>37145AMK</td>
<td>lock washer, 1/4&quot;</td>
<td>2</td>
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</tbody>
</table>

Notes:
1. Always turn the breaker before (if possible) and after replacing the pilot valve to ensure proper closing speed.
2. This kit is for use on the mechanisms listed below that are used on all circuit breakers and the Westinghouse model 2000 SF GCB.
3. If replacing a Norgren pilot valve with an external pilot pressure feed into port "F" on the old Norgren pilot valve, remove and discard the pipe plug from port "X1" on the new Ross pilot valve and connect the external pilot pressure tubing to the port on the Ross pilot valve marked "X1". The port on the Ross pilot valve marked "Y3" is the pilot exhaust and should always remain unplugged.

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BREAKER SERVICE INC
800-469-5260 office 800-469-5290 fax

Kit to replace the Westinghouse magnet valve pilot valve or Norgren D035A pilot valve on AA-7, AA-10, & AA-14 W.H. main control valves with a Ross pilot valve - see notes for limitations

REV: 4  05-16-2000  SHEET 1 OF 1
ROSS PILOT
BSI PART 37450AMK

ROSS PILOT VALVE REBUILD KIT
BSI KIT K12274

ROSS MAIN CONTROL VALVE REPAIR KIT
1/4, 3/8 & 1/2
BSI 37887AMK

1/2, 3/4 & 1
BSI 37169AMK

1-1/4 & 1-1/2
BSI 37882AMK

INCLUDES QTY 1 EACH:
37450AMK, K12274, 37887AMK, 37169AMK & 37882AMK
Field Notes:
This kit rebuilds all Ross pilot valves, both new and old style.
It contains all gaskets, seals, & the poppet. Some parts may not be used depending on the
particular mechanism, valve, and adapters used.
Completely clean all grease from the valve body.
Use care not to scratch the sealing surfaces.
Do not lubricate any internal parts of the pilot valve.
There should be only one spring in the pilot valve - it is located under the poppet as shown in the drawing.
If the sealing surfaces are scored, then the valve must be replaced.

Time the breaker before (if possible) and after rebuilding the pilot valve.

Use Item 23 & 24 for the Westinghouse style main control valve with adapter block.
Use items 17 for Ross main valves with ports 1" & smaller
Use items 18 & 22 for Ross main valves with ports larger than 1"

The internal parts (items 2, 4, 5, & 6) are the same for the old & new sytle
pilot valve bodies, but not illustrated above for the old style valve body.
McGRAW EDISON
OA-3 MECHANISM
**Parts Numbers Are for Reference Only. We Do Not Imply That Any of These Parts Were Supplied By, or Were Approved By The Original Equipment Manufacturer, McGraw Edison**

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<td>12</td>
<td>1</td>
<td>2214</td>
<td>223 116 141</td>
</tr>
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</table>

*NOTE: There are additional parts provided in the kit to accommodate mechanism type OA-3A, B & C.*

**FC 10616 OA-3 MECHANISM**

**Breaker Service, Inc.**

1800 A Cypress Street, Suite D
LA HABRA, CALIFORNIA 90631

Phone: 888-836-0350
Fax: 888-365-7690

**12308**
Kit to rebuild the manual hand pump and relief valve block for a McGraw-Edison OA-3 mech.
Cross sectional view of gasket
ROSS PILOT
BSI PART 37450AMK

ROSS PILOT VALVE REBUILD KIT
BSI KIT K12274

ROSS MAIN CONTROL VALVE REPAIR KIT
1/4, 3/8 & 1/2
BSI 37887AMK

1/2, 3/4 & 1
BSI 37169AMK

1-1/4 & 1-1/2
BSI 37882AMK

INCLUDES QTY 1 EACH:
37450AMK, K12274, 37887AMK, 37169AMK & 37882AMK
Old Style Valve Body

New Style Valve Body

Field Notes:
This kit rebuilds all Ross pilot valves, both new and old style.
It contains all gaskets, seals, & the poppet. Some parts may not be used depending on the
particular mechanism, vintage of the valve, and adapters used.
Completely clean all grease from the valve body.
Use care not to scratch the sealing surfaces.
Do not lubricate any internal parts of the pilot valve.
There should be only one spring in the pilot valve - it is located under the poppet as shown in the drawing.
If the sealing surfaces are scored, then the valve must be replaced.

Time the breaker before (if possible) and after rebuilding the pilot valve.

Use Item 23 & 24 for the Westinghouse style main control valve with adapter block.
Use Items 17 for Ross main valves with ports 1" & smaller.
Use Items 18 & 22 for Ross main valves with ports larger than 1"

The Internal parts (Items 2, 4, 5, & 6) are the same for the old & new style
pilot valve bodies, but not illustrated above for the old style valve body.
Valve body shown for reference only

All parts shown are included in the rebuild kit

Rebuild kit for Ross main control valve for Westinghouse AA-7 mechanism

37169AMK
FIELD NOTES:
Time the breaker before & after you rebuild the main closing control valve.
Apply only a very thin film of the supplied grease to the moving piston seal on the upper poppet. All static o-rings (items 20,37,2,3, & 38) should be lightly coated with a high quality o-ring grease such as Dow Corning # 111.
All the gaskets and o-rings may not be necessary depending on the exact configuration of your control valve.
Westinghouse AA-7 main control valve

Assemble parts for AA-7 as shown below for AA-10

Westinghouse AA-10 main control valve

<table>
<thead>
<tr>
<th>Item No</th>
<th>BSI part #</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>30525/37131AMK</td>
<td>gasket</td>
<td>1</td>
</tr>
<tr>
<td>36</td>
<td>37990AMK</td>
<td>adapter</td>
<td>1</td>
</tr>
<tr>
<td>37</td>
<td>21124/0/37124AMK</td>
<td>o-ring</td>
<td>2</td>
</tr>
<tr>
<td>38</td>
<td>37450AMK</td>
<td>Ross pilot valve</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>37134AMK</td>
<td>socket head cap screw, 1/4-20 x 1</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>38996AMK</td>
<td>socket head cap screw, 3/8-16 x 1</td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td>37144AMK</td>
<td>lock washer, 3/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>66</td>
<td>37145AMK</td>
<td>lock washer, 1/4&quot;</td>
<td>2</td>
</tr>
</tbody>
</table>

Notes:
1. Always time the breaker before (if possible) and after replacing the pilot valve to ensure proper closing speed.
2. This kit is for use on the mechanisms listed below that are used on all circuit breakers and the Westinghouse model 29000F (GC).
3. If replacing a Norgren pilot valve with an external pilot pressure feed into port "P" on the old Norgren pilot valve, remove and discard the pipe plug from port "X1" on the new Ross pilot valve and connect the external pilot pressure tubing to the port on the Ross pilot valve marked "X1". The port on the Ross pilot valve marked "Y3" is the pilot exhaust and should always remain unplugged.

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BREAKER SERVICE INC
800-623-5299 office - 623-447-2200 fax

Kit to replace the Westinghouse "magnet valve" pilot valve or Norgren D0335A pilot valve on AA-7, AA-10, & AA-14 W.H. main control valves with a Ross pilot valve - see notes for limitations

REV. 01-01-2005
NORGREN
ITEMS
Rebuild instructions:
1. Do not proceed if you are not qualified for this work
2. Make breaker & mechanism safe for work
3. Disassemble and gently clean valve
4. Reassemble using new seals per drawing
5. Items 12 & 13 are used with older main valves
6. Item 3 is used with newer main valves
7. Take special note of the location of item 19
8. Sparingly lubricate orings with Parker Superlube
Rebuild instructions:
1. Do not proceed if you are not qualified for this work.
2. Make breaker & mechanism safe for work.
3. Disassemble and gently clean valve.
4. Reassemble using new seals per drawing.
5. Items 3, 6 & 8 are common to both valves.
7. Discard unused parts.

Parts shown with item numbers are included in the rebuild kit.
Coil Assembly shown for reference only
See BSI part # 37062AMK for complete assembly
Westinghouse AA-7 main control valve

Notes:
1. Always turn the breaker before (if possible) and after replacing the pilot valve to ensure proper closing speed.
2. This kit is for use on the mechanisms listed below that are used on oil circuit breakers and the Westinghouse model 2900SF (GC).
3. If replacing a Norgren pilot valve with an external pilot pressure feed into port "P" on the old Norgren pilot valve, remove and discard the pipe plug from port "X1" on the new Ross pilot valve and connect the external pilot pressure tubing to the port on the Ross pilot valve marked "M1". The port on the Ross pilot valve marked "Y3" is the pilot exhaust and should always remain unplugged.

<table>
<thead>
<tr>
<th>Item No</th>
<th>BSI part #</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>30525/37131AMK</td>
<td>gasket</td>
<td>1</td>
</tr>
<tr>
<td>36</td>
<td>37990AMK</td>
<td>adapter</td>
<td>1</td>
</tr>
<tr>
<td>37</td>
<td>211247D/37124AMK</td>
<td>o-ring</td>
<td>2</td>
</tr>
<tr>
<td>38</td>
<td>37460AMK</td>
<td>Ross pilot valve</td>
<td>1</td>
</tr>
<tr>
<td>55</td>
<td>37134AMK</td>
<td>socket head cap screw, 1/4&quot;-20 x 1&quot;</td>
<td>2</td>
</tr>
<tr>
<td>56</td>
<td>38596AMK</td>
<td>socket head cap screw, 3/8&quot;-16 x 1&quot;</td>
<td>2</td>
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<tr>
<td>57</td>
<td>37144AMK</td>
<td>lock washer, 3/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>66</td>
<td>37145AMK</td>
<td>lock washer, 1/4&quot;</td>
<td>2</td>
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Westinghouse AA-10 main control valve

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AIR TANKS
Air Tank

for GE MA-16-9 breaker mechanisms. Tank is located outside under the cabinet.

GE type FR-115-5000-2, 115 kV CB
KEYSTONE
COMPRESSOR
ITEMS
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>24800</td>
<td>valve plate with valves</td>
</tr>
</tbody>
</table>

Cross References:
- GE cat # 132A1221P10
- ITE/A88 cat # 042009-11
- Keystone (Philadelphia - early) cat # 414A
- Keystone (Darby - later) cat # 10160

Note:
This valve plate assembly is also used on the Model A compressor if it gets converted to a Model D.
MISC
ITEMS
Bottle alarm gauge

Standard Nitrogen bottle connector type CGA580

Outlet connection is 3/8" male NPT