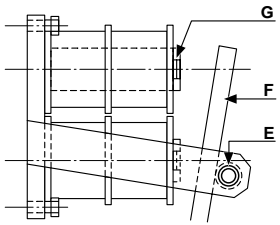


## REPLACING A CLOSING COIL



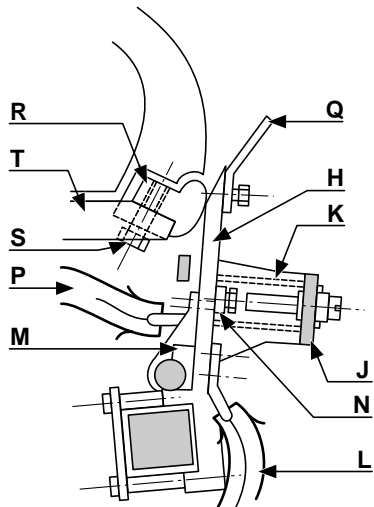
Dismantle moving frame stop E and moving frame blade F. Dismantle coil G stop pin ; disconnect and remove coil. Reassemble in reverse order, taking care to position the coil correctly by properly aligning blade F. Check to ensure that the screws are properly tightened and restrained.

Coil connected in :  
parallel

Coil connected in :  
series



## REPLACING THE CONTACTS



Remove the arc chute, if provided :

For moving contacts H :

- \* loosen alternately the four screws holding springs K retention plate J
- \* remove retention plate and spring(s)
- \* dismantle the four screws holding the lower shunt(s) L (do not lose the hinge piece(s)M)
- \* dismantle the spring centering washer(s) N and then the four screws holding the upper shunts P
- \* reassemble the contact(s) H and their chute tip Q in reverse order, after cleaning all surfaces of the electrical connections with a clean, dry cloth.

For fixed contacts R :

- \* remove the screw(s) S
- \* clean the connections with support member T using a clean, dry cloth.
- \* reassemble contact(s) R, bringing the contacts into their support.

Comply with recommendations in the section entitled «POLE MAINTENANCE».



LENOIR - ELEC

CONTACTOR TYPE

CBA - CBC - CEX 54 - 2500/60 - 4000

**MAINTENANCE  
INSTRUCTIONS**  
M24421A/01  
02/02

## MAINTENANCE

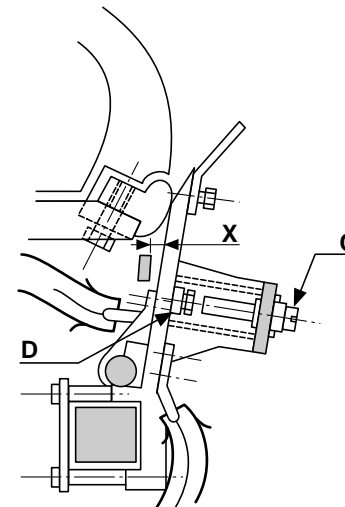
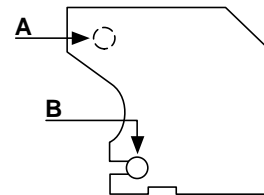
Check to ensure that the nuts and screws for securing the contactors and tightening the connections remain properly locked and restrained.

Check to ensure that the shaft rotates freely in its bearings with a slight lateral clearance (maximum 1 mm).

The bearings require no maintenance. They are factory-lubricated for the design life of the contactor.

Make sure that the surfaces in contact with the fixed and moving magnetic circuits are always clean to prevent hum.

## POLE MAINTENANCE



Remove the arc chutes, disengage it from both rubber stops B and swing it around cylinder A.

With the contactor closed, check the distance X (for the contact forming the moving part of a 2500A pole or for each of both contacts forming the moving part of a 4000A pole). When this distance (or one of the distances for the 4000A pole) measures 2.5 mm or less, due to wear of the fingers, all of the contacts should be changed. Also check the gap between the ends of threaded pins C and the heads of the screws securing the centering washers D to ensure a measurement of 1 to 1.5 mm. Make sure that no metal has been deposited on the arc chute inner walls due to arcing. Remove any significant metal deposits by lightly scraping the wall and then blow out the chute.

Check to ensure that spattered copper does not short the fixed contact fingers and the fixed chute tips.

After inspection, put the arc chute back in place by tilting it backwards and engaging cylinder A in the V-shaped seat at the fixed chute tip. Then return it to vertical position by swinging and push to engage dogs B.

Make sure that the pole moving contact(s) moves freely without rubbing against the arc chute inner walls.

The contacts require practically no maintenance. If slight beading occurs, remove with a soft file. Never use abrasive cloth or paper.

## CLEANING SUPPORT BAR INSULATION

To avoid scratching the varnish, blow out or remove with a soft brush any dust deposits between live parts. This operation is very important when dust contains conducting materials and should be performed frequently.



LENOIR - ELEC

Z.I de la Castine - Rue des Sapins

54730 GORCY (FRANCE)

Tél : 33 (0)3 82 23 79 89

Fax : 33 (0)3 82 23 84 30

E-mail : lenoir@lenoir-elec.com