

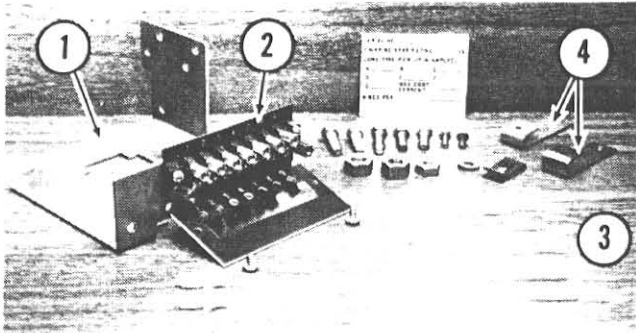
SIEMENS-ALLIS

Switchgear

INSTRUCTIONS

**STATIC TRIP II CONVERSION
FOR LA-600 & LA- 1600
CIRCUIT BREAKERS**

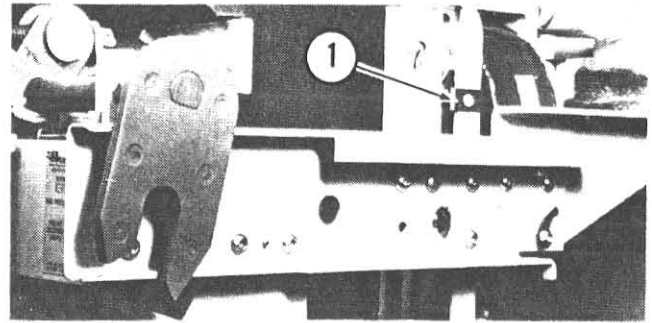
**18X4946-01
April, 1979**



1002-48-A

Modification kit includes bracket and hardware to mount New Static Trip II device on LA-600 and LA-1600 breakers.

- | | |
|---------------------|--------------|
| 1. Mounting Bracket | 3. "U" Nut |
| 2. Terminal Board | 4. "J" Clips |



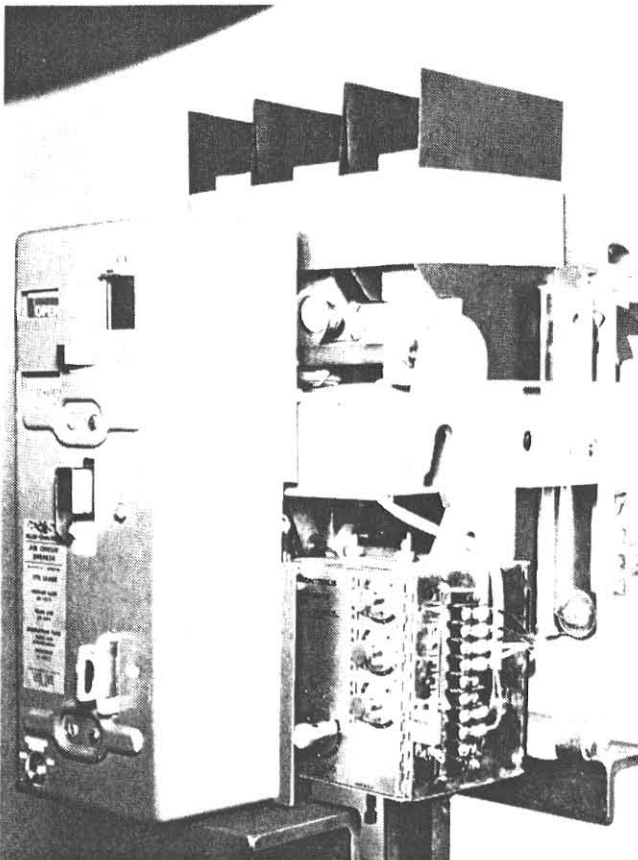
1002-47B

1. "U" Nut

STEP 1

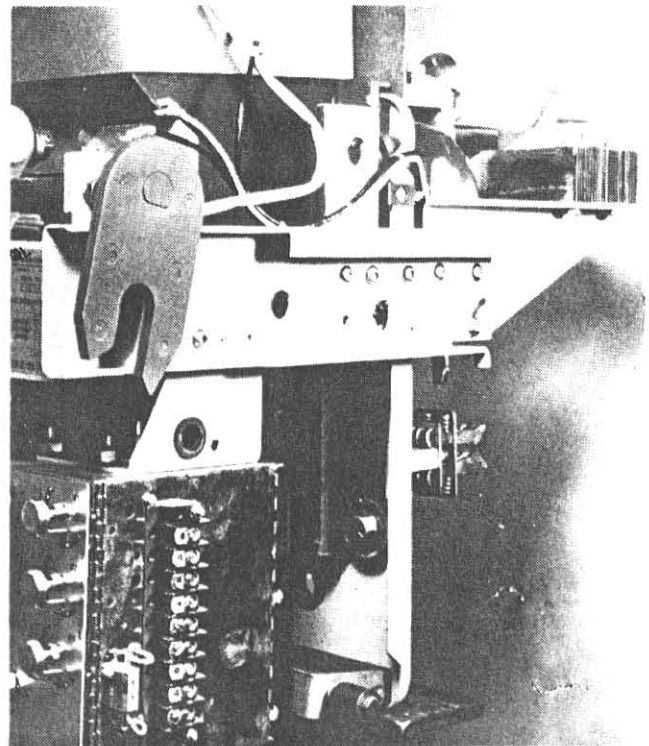
Install "U" Nut.

View showing installation of "U" nut for use as wiring anchor.



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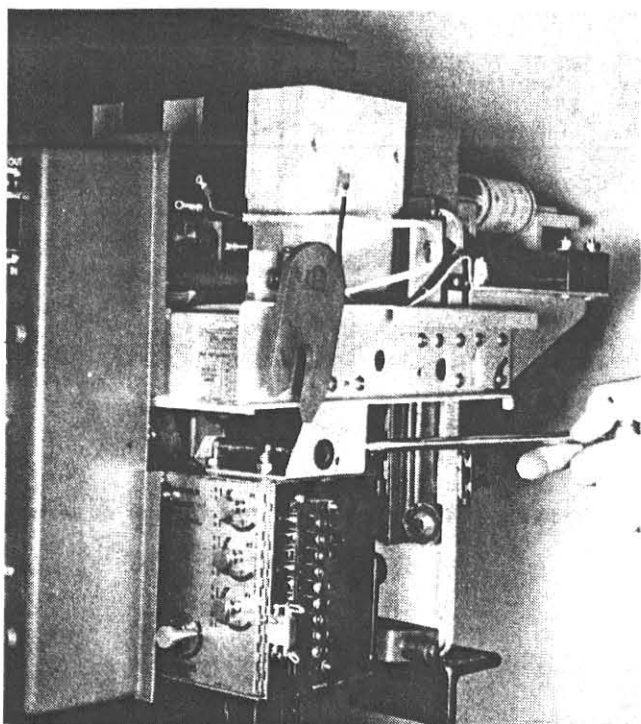
Typical LA-600 Circuit Breaker before modification.



1002-47D

STEP 2

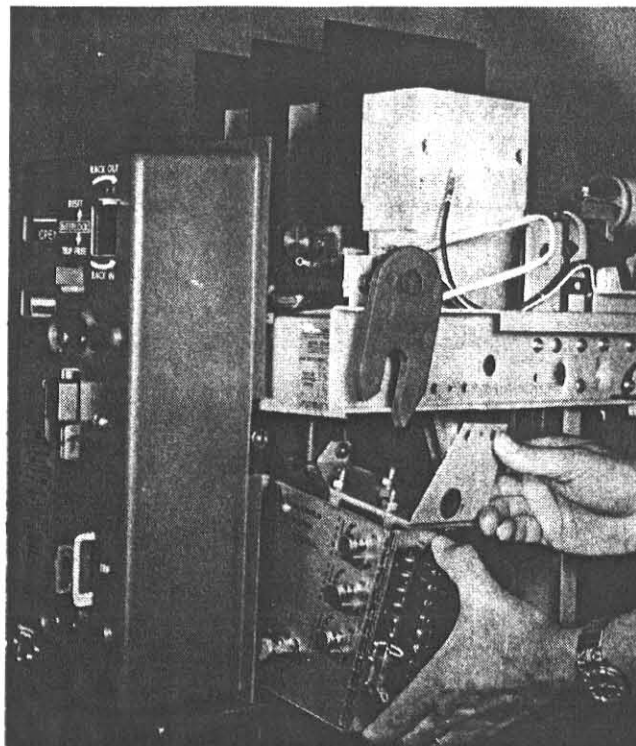
Remove wires from device terminal block, pull wire bundles back through grommets. Remove lacing and anchors as required.



STEP 3

1002-48A

Remove nut holding trip device bracket to operator frame. On LA-600 phase barriers may have to be loosened, or removed to gain access to nut.



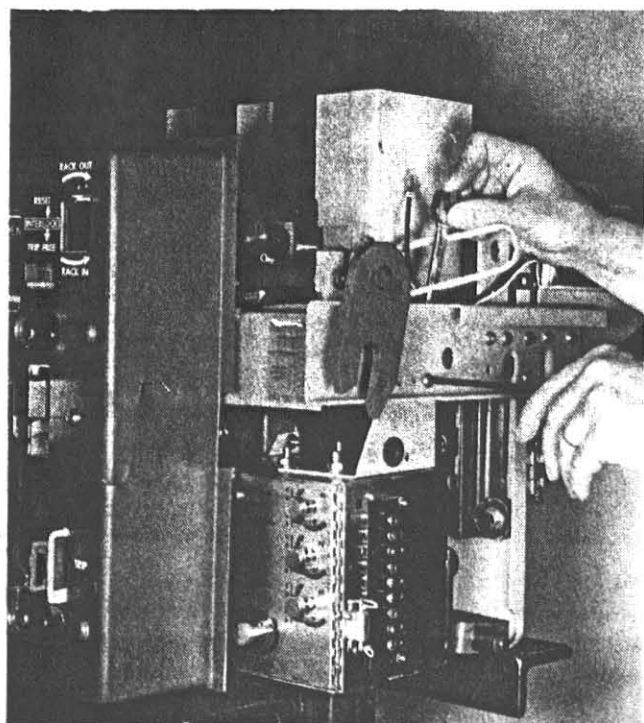
1002-48B

STEP 5

Pull Static Trip down and out to remove old trip device.

NOTE: Make sure that the kick-off spring support plate is not disturbed nor changed from its position when removing bracket. When replacing the nut make sure that the lip of the support plate is supporting the kick-off spring.

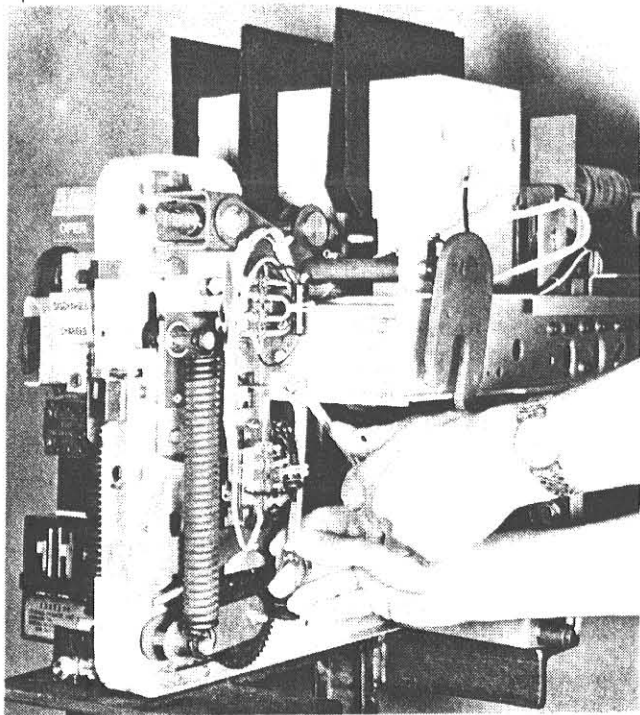
Install new 1/4-20 nut and lockwasher on operator. Check that all parts are located properly, and tighten. **THIS IS THE NUT REMOVED IN STEP 3.**



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STEP 4

Remove two screws holding bracket to side rail.

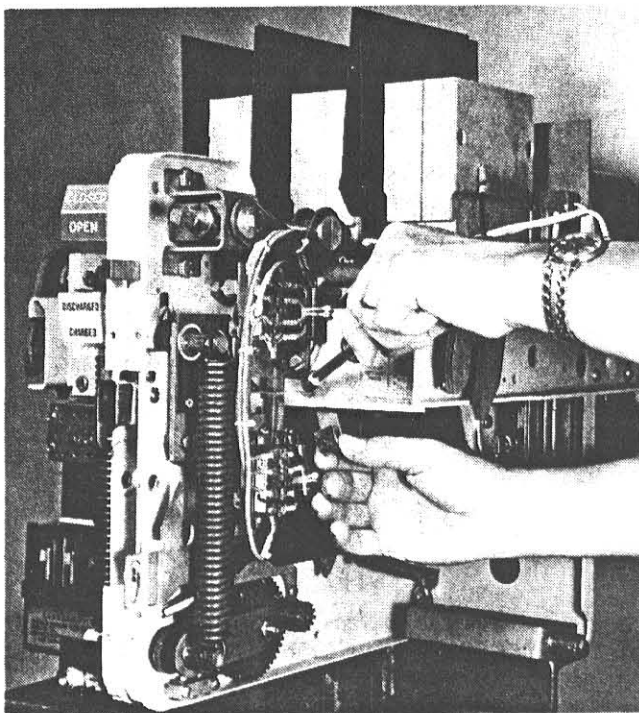


STEP 6

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Remove front cover.

Remove screw holding stop to front apron.

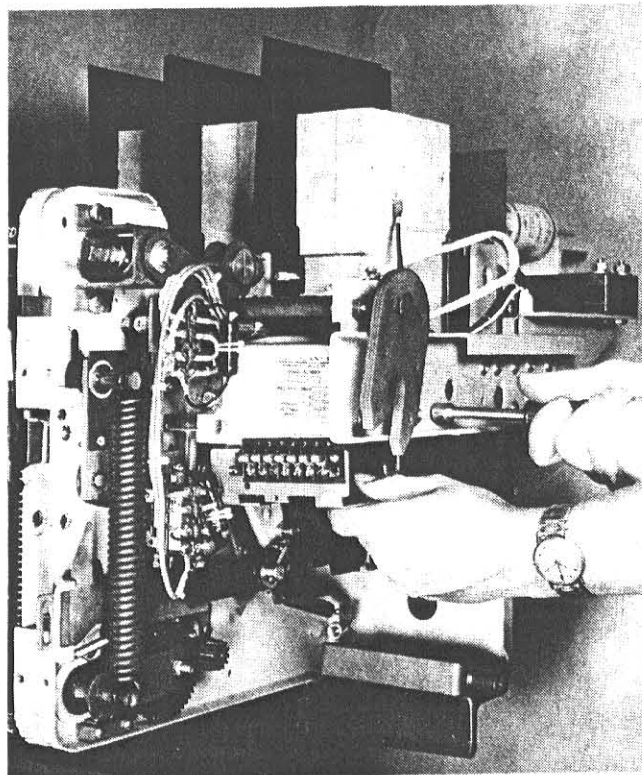


STEP 7

1002-49-C

Start 1/4 dia. by 3/4 long tapping screw into "J" clip.

Two "J" clips are provided. The shorter of the two fits the LA-600, the longer fits the LA-1600.



1002-49B

STEP 8

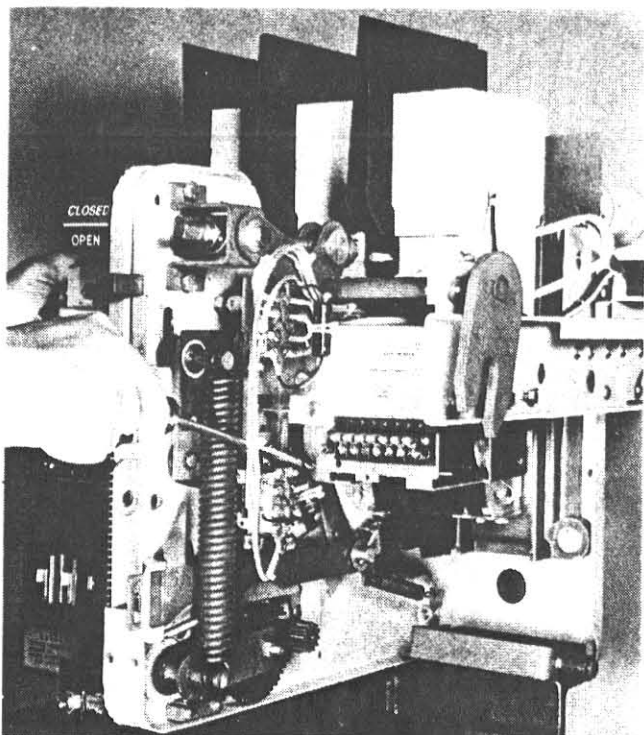
Start 1/4 dia. tapping screws into new bracket, thru side rail.

1/2 long screws for LA-600.

3/4 long screws for LA-1600.

The LA-1600 uses the two 3/8 nuts as spacers between bracket and side rail.

The top pair of holes in the bracket is for the LA-600, the lower pair for the LA-1600.



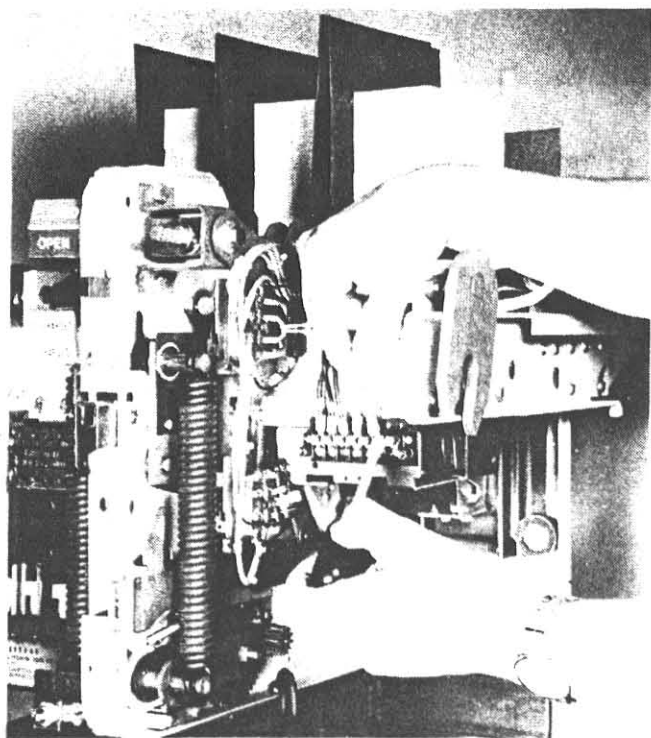
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STEP 9

Start #8 x 3/8 long tapping screw into small hole of "J" clip.

Two clearance holes are provided in bracket, one for the LA-600 and one for the LA-1600.

Tighten all tapping screws.



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STEP 10

Connect wires to new terminal block. Rotate CT's on studs if leads are too short.

"A" phase CT to terminal #1.

"B" phase CT to terminal #2.

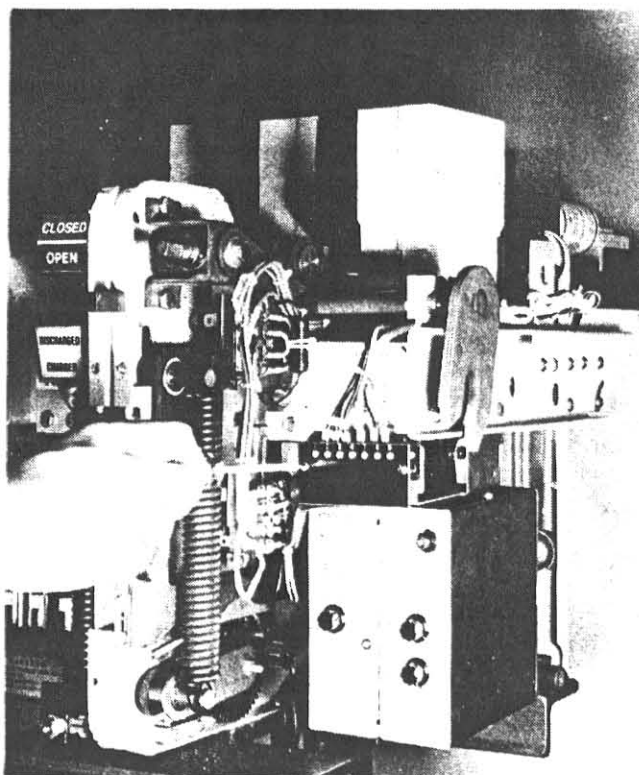
"C" phase CT to terminal #3.

CT neutral (white wire) to terminal #4.

Black actuator lead terminal #7.

Red actuator lead terminal #8.

(On 4-wire ground devices see breaker wiring diagram for proper connection of terminal #9.)

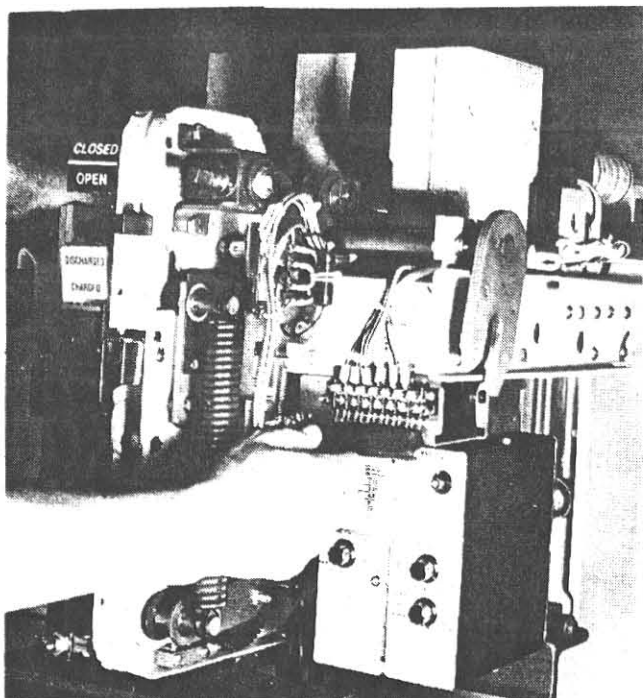


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STEP 11

Replace wires using "tyraps" provided in kit. (SOME EXTRA TYRAPs ARE FURNISHED.) Anchor CT leads to "U" nut with small tyrap thru loop of "U".

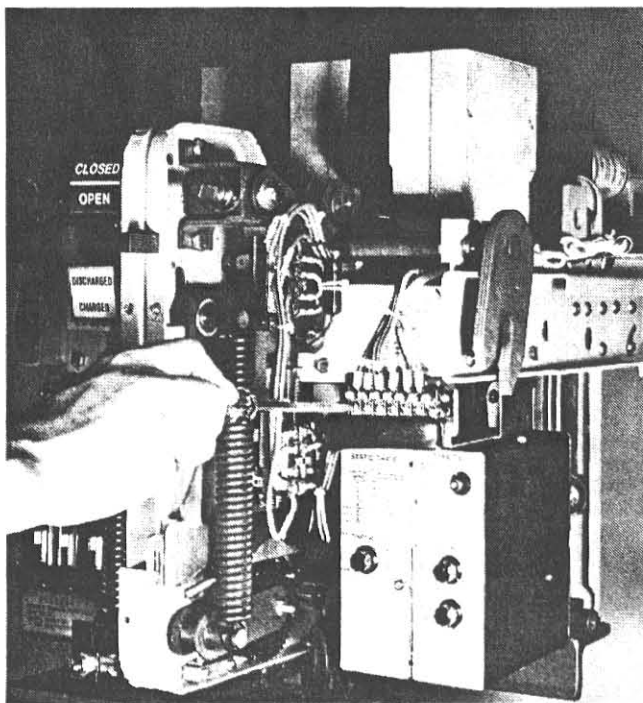
Install new trip device in slide and tighten #8 - 32 screw.



STEP 12

Connect fanning strip to terminal block.

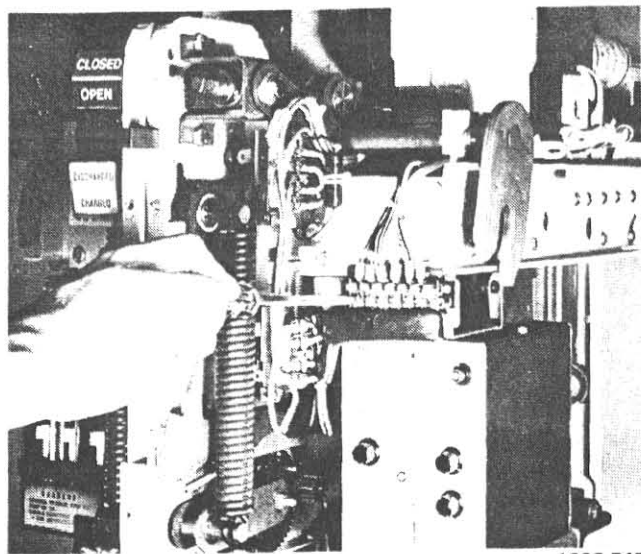
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STEP 13

Securely tighten all terminal screws.

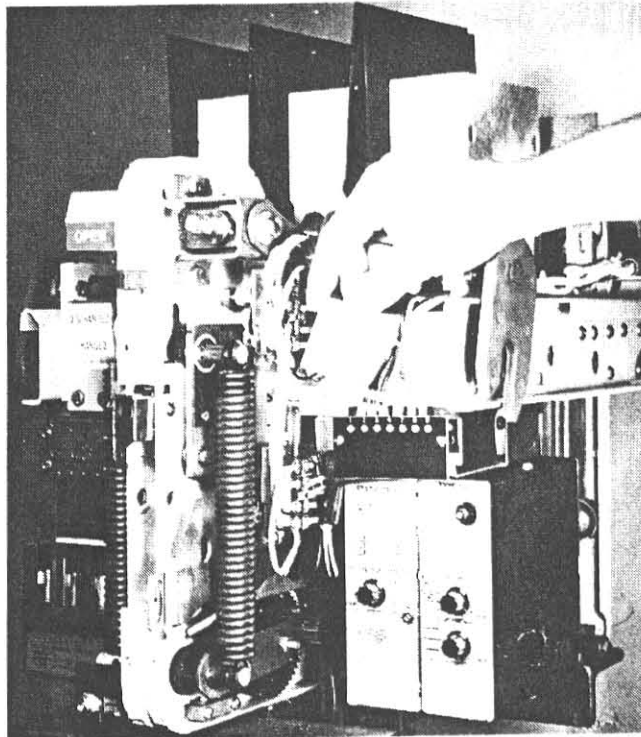
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STEP 14

Install terminal block cover.

1002-51B



STEP 15

Transfer information from old name plate to new one, adding the current values corresponding to the "F" and "G" settings of the new device.

1002-51D

"F" is 112.5% of the "E" setting.

"G" is 125% of the "E" setting.

The new nameplate also has spaces for the current transformer rating and the breaker wiring diagram. Attach nameplate to a convenient location on the front of the breaker, this completes the modification.

See instruction book #18X4827-01 for instructions on setting the trip device.