

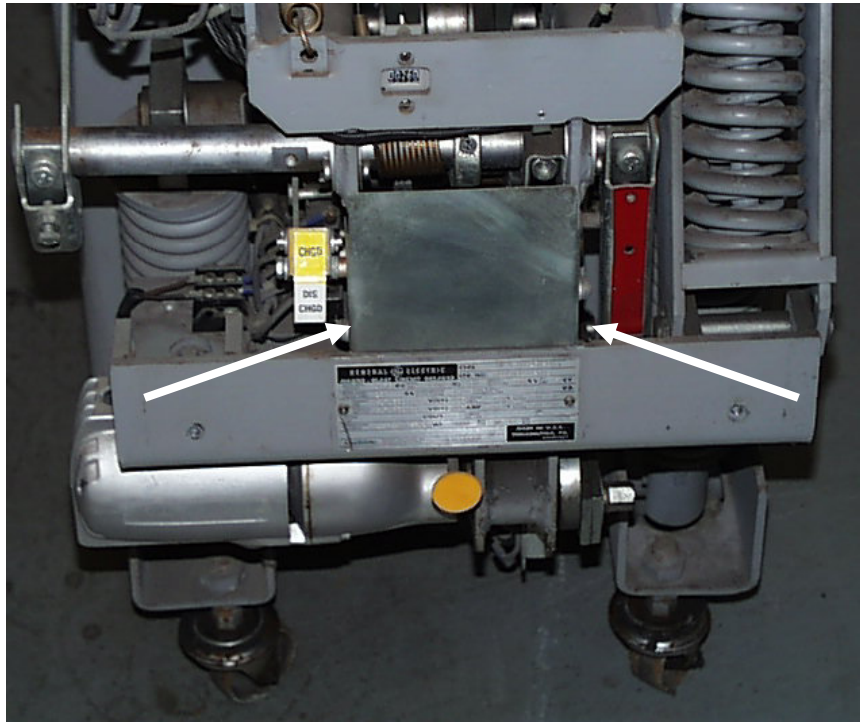
NRC Medium Voltage Circuit Breaker Training



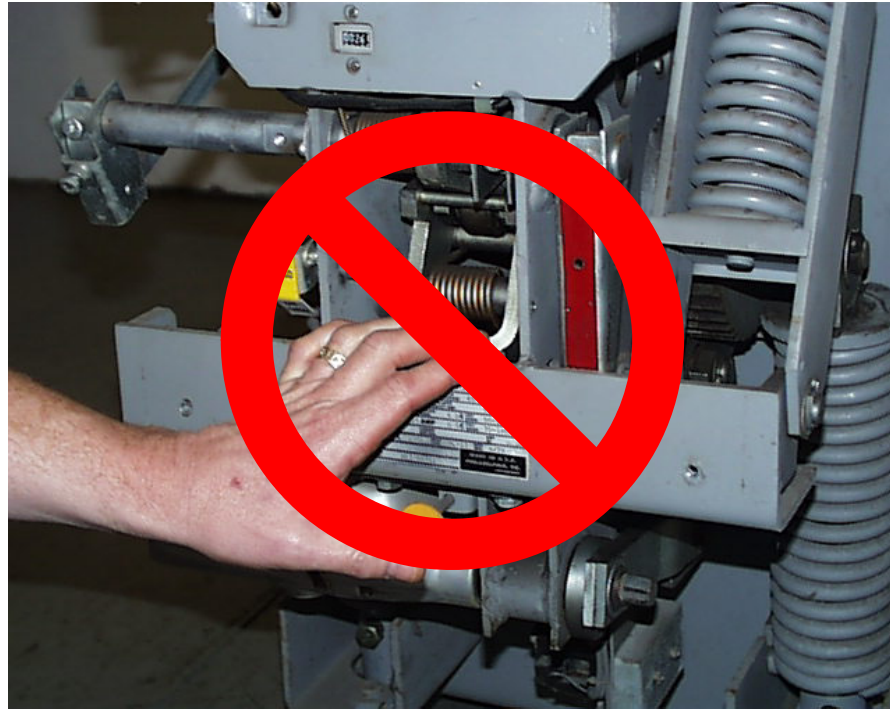
Attachment 6A

GE Magna-Blast Work Shop

REMOVE front cover by removing the front cover screws



**Do not at any time place hands or
fingers on the stop block**

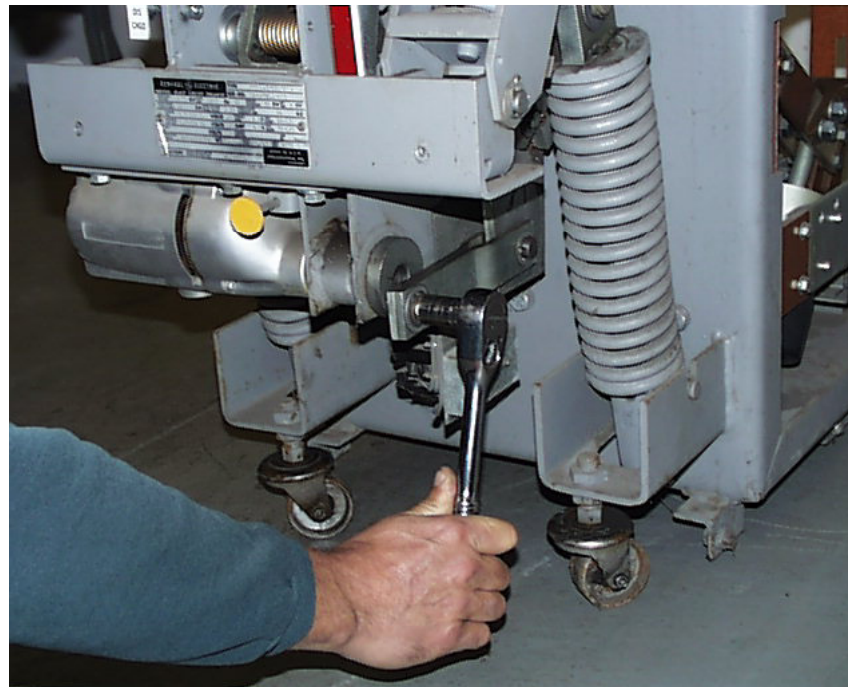


Minimum Voltage Operational Test



- **SET** control voltage to 90 VDC and attempt to close breaker. **VERIFY** breaker closes.
- **SET** control voltage to 70 VDC and attempt to open breaker. **VERIFY** breaker opens.

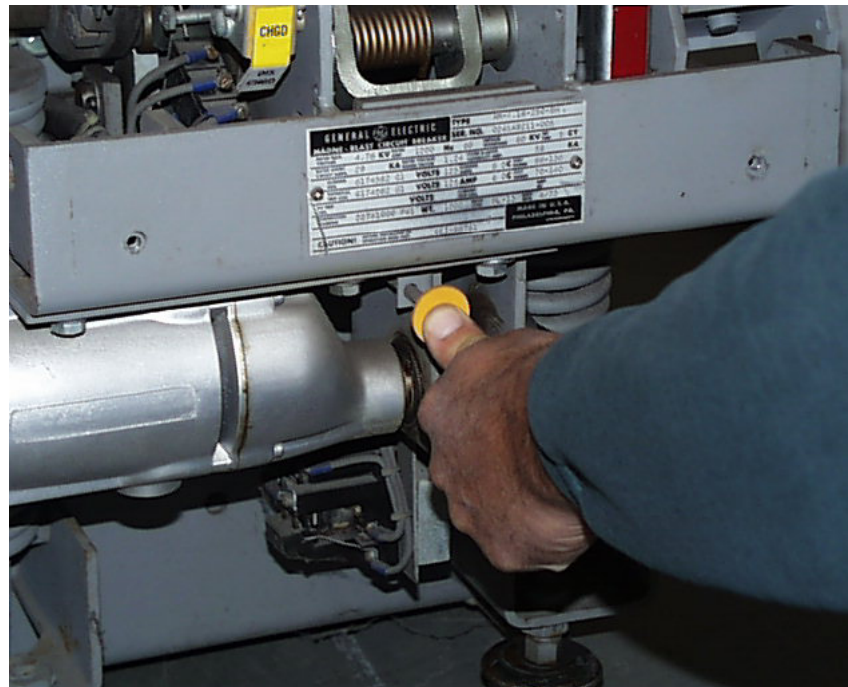
PERFORM a slow close operation using a 5/8"
on the hex charging stud and CHARGE the
breaker



**INSERT the spring blocking tool at the
base of the 2 closing springs**



**CLOSE the breaker by depressing the
push to close button**



CONTINUE to charge the breaker until the first arcing contact touches, Measure the contact gap of this phase.



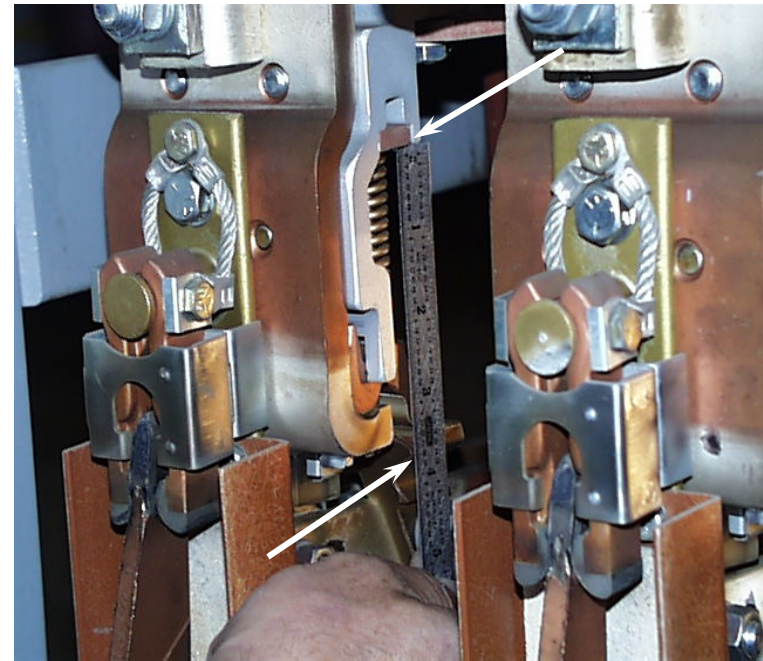
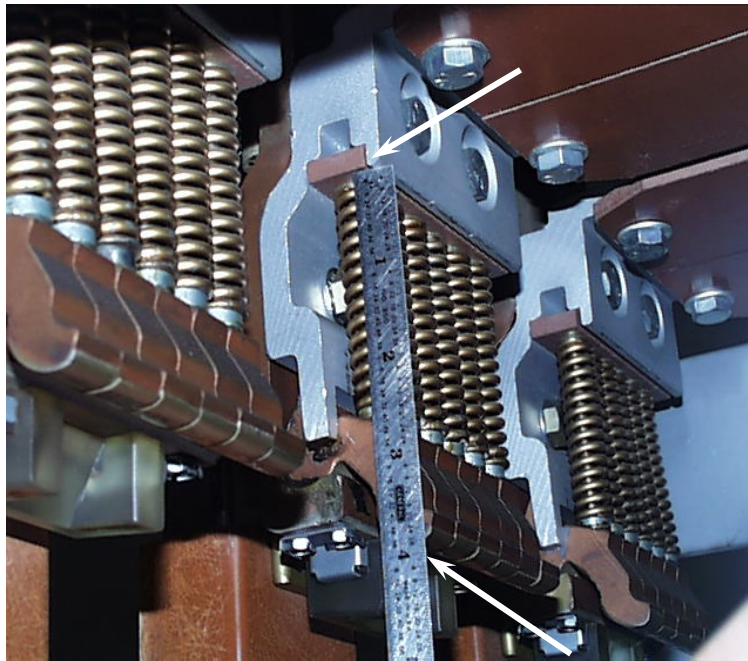
**CONTINUE to charge the breaker AND
REMOVE the spring blocking tool(s)**



- **CLOSE AND TRIP** the breaker for the next step.

Main Contact Wipe

- With the breaker open, and the springs discharged, **Measure** the vertical distance from the lowest point on the stationary contacts to a stationary point on the contact structure

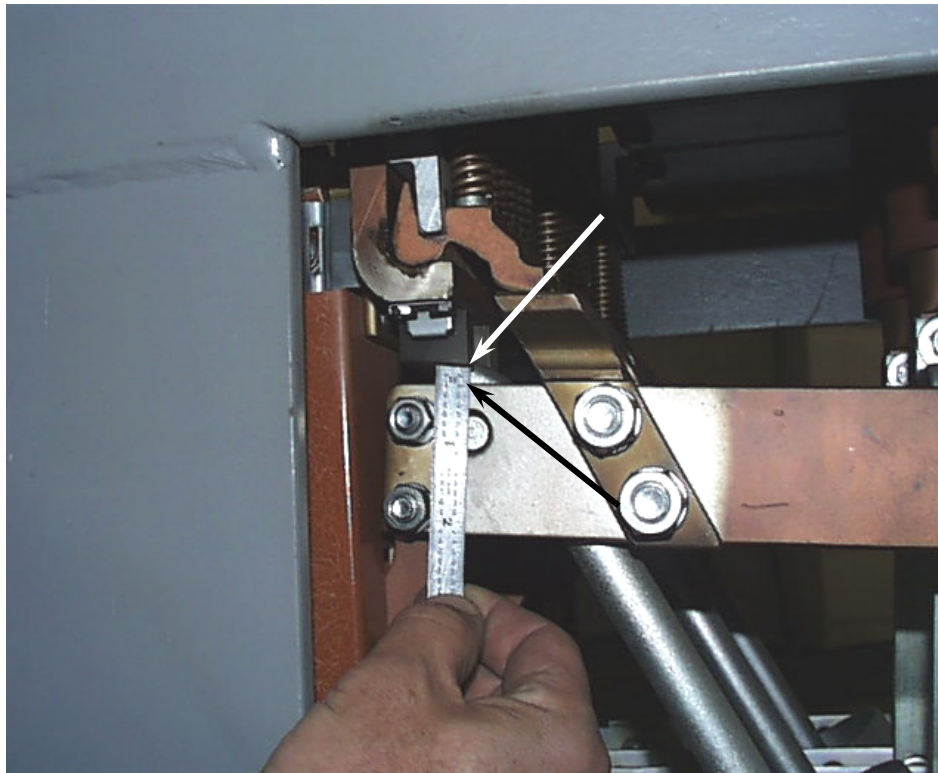


CHARGE and CLOSE the breaker

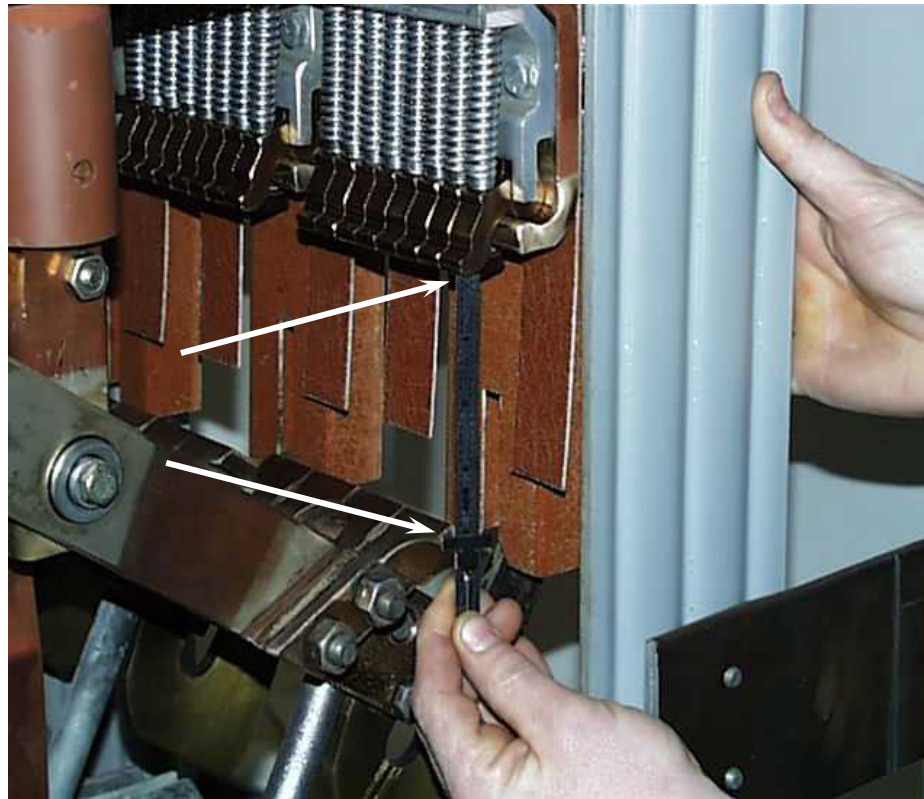


- **MEASURE** the vertical distance from the main stationary contacts lowest point to the same reference stationary point on the contact structure
 - The main contact wipe is the difference between these two measurements.

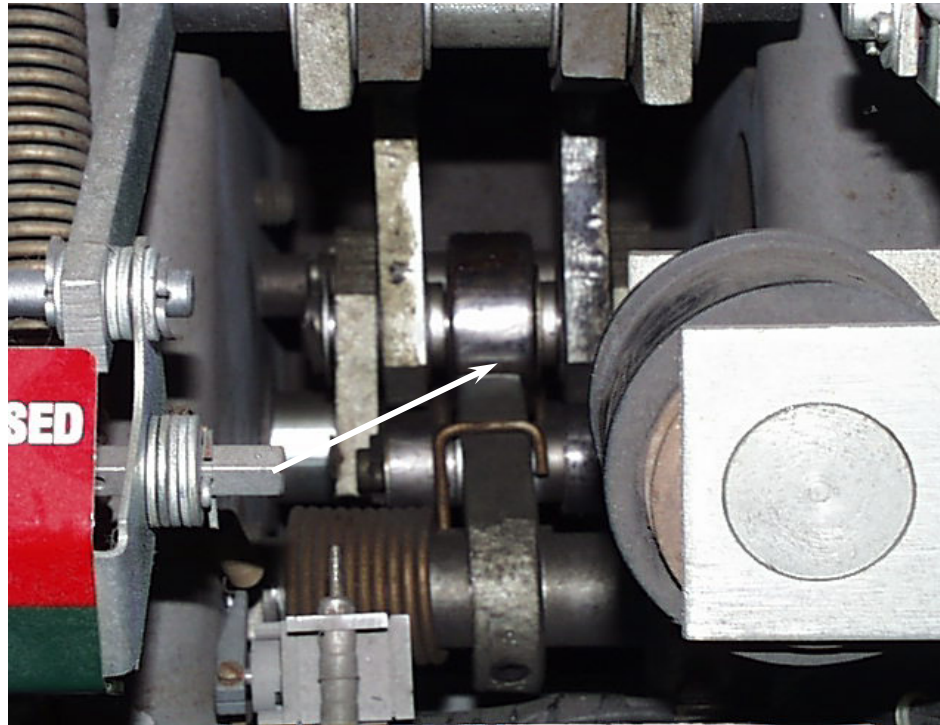
Buffer Block and Contact Arm Clearance Check



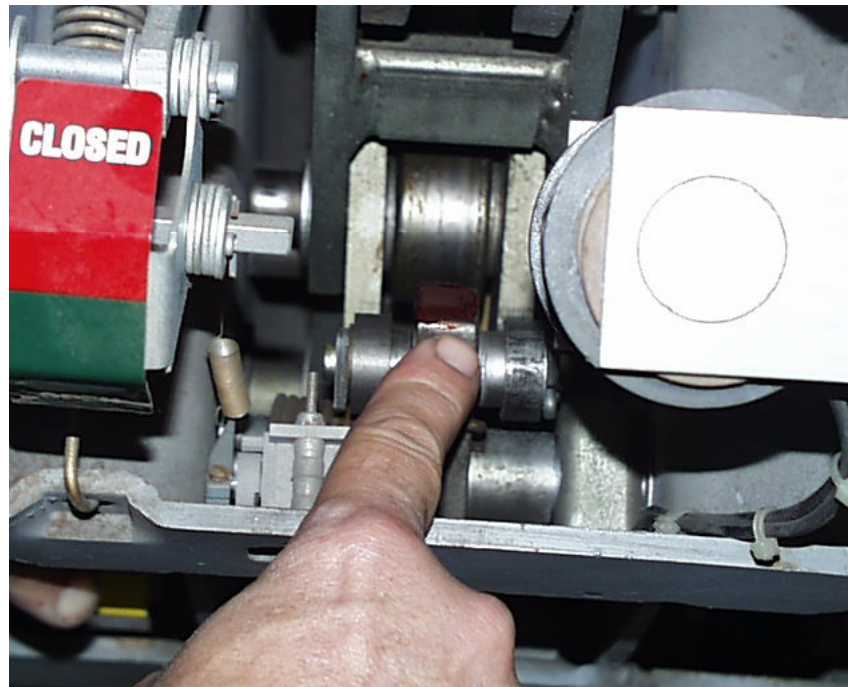
Main Contact Open Air Gap



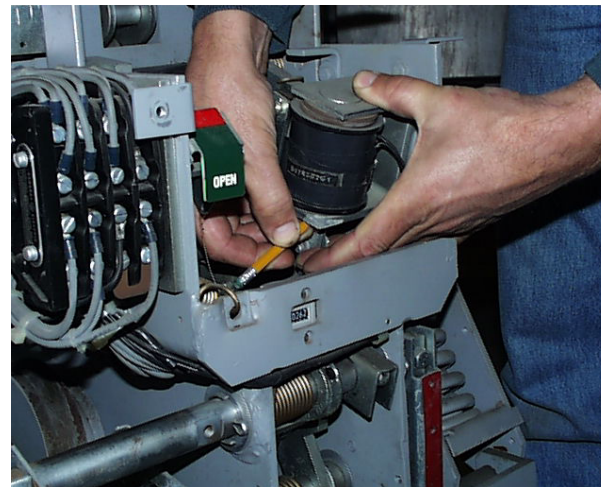
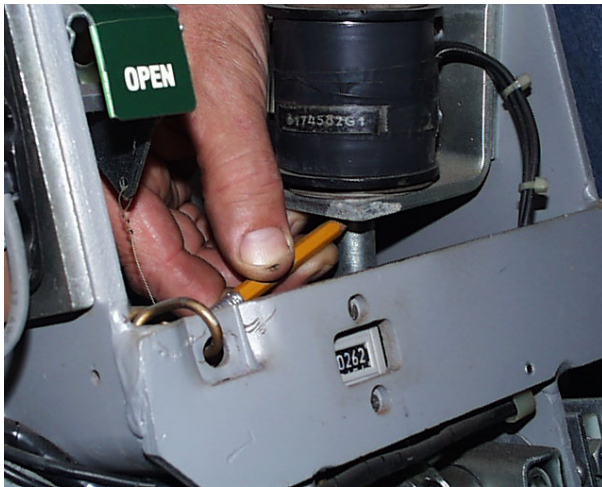
Trip Latch to Trip Roller Clearance



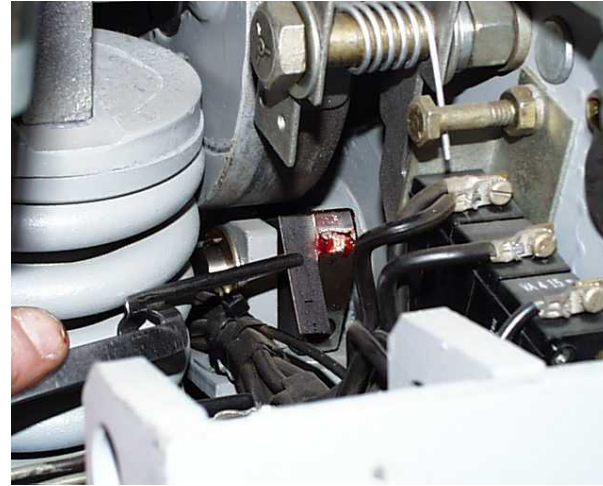
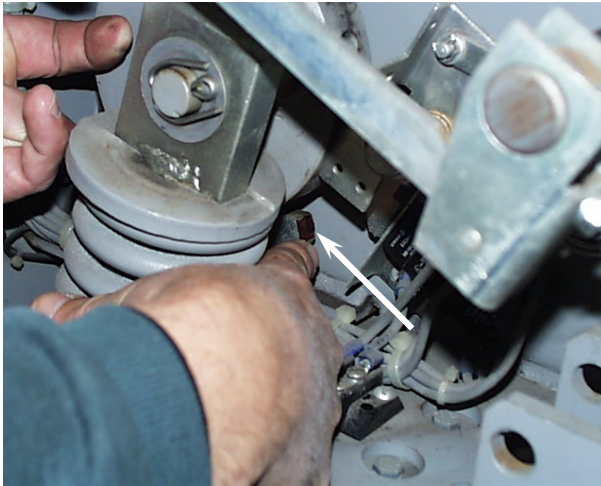
Trip Latch wipe (*not adjustable*)



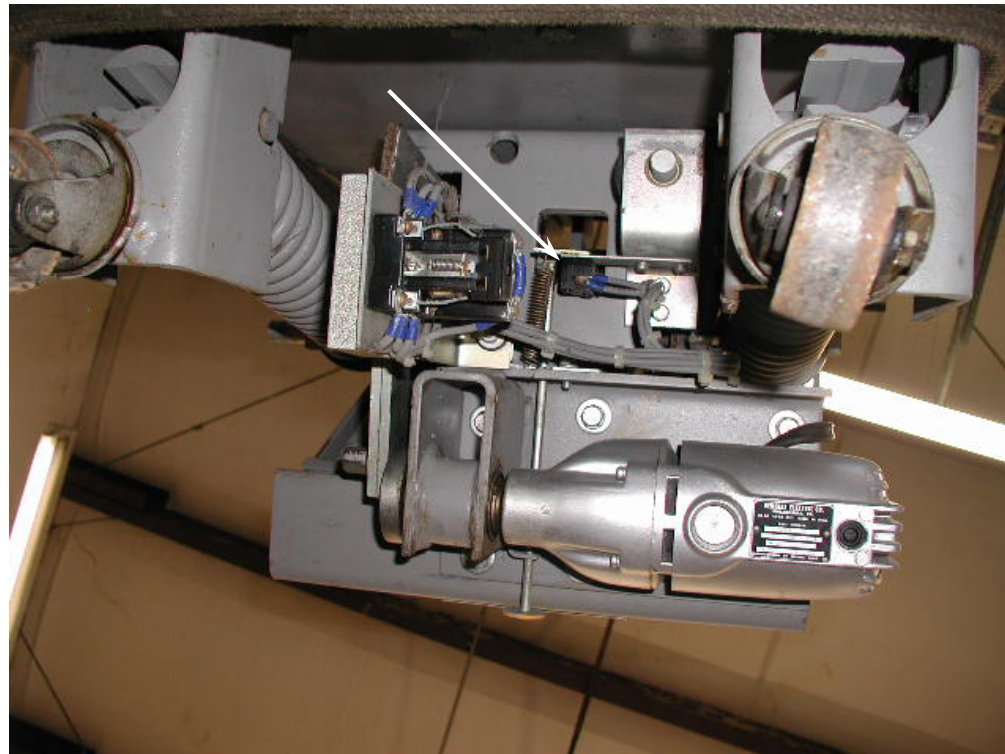
Trip Armature Pre-Travel



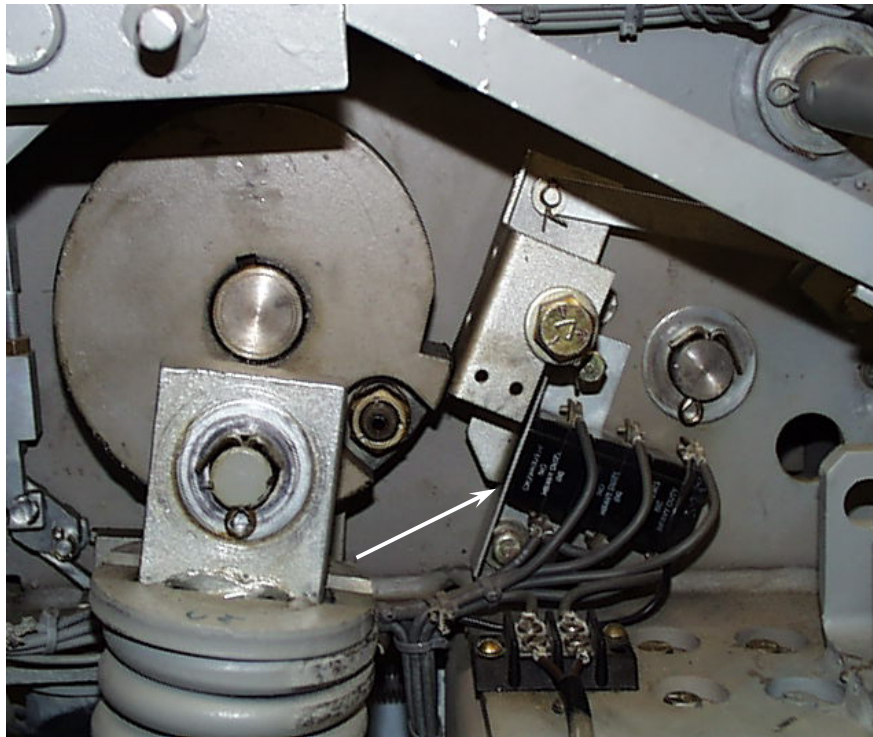
Close Latch Wipe



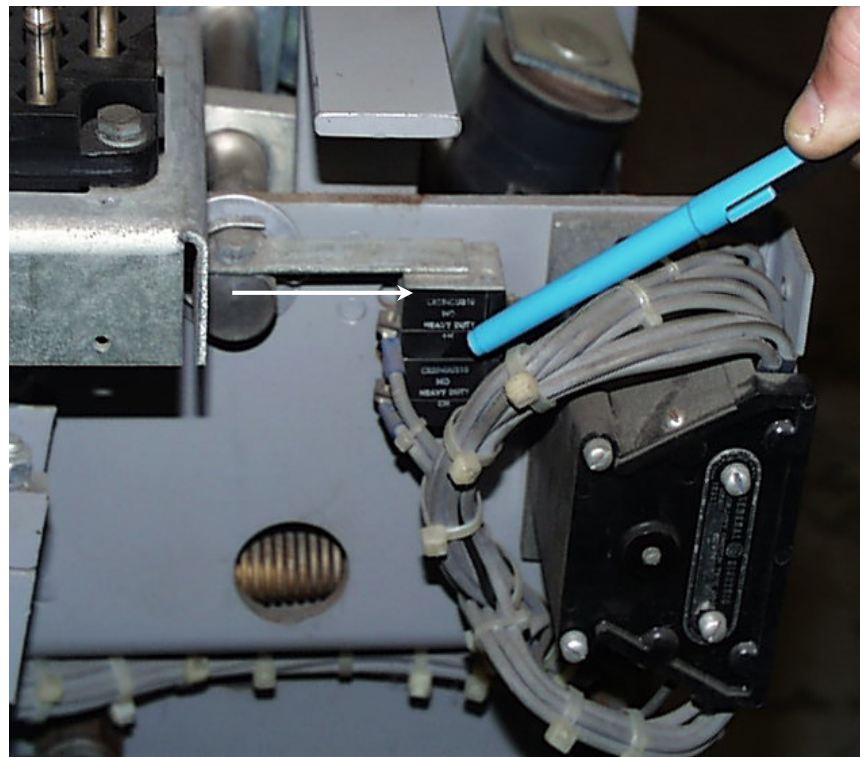
Close Latch Monitoring Switch Clearance



Motor and Relay Switch Clearance



Interlock Switch Wipe Check



Driving Pawl and Holding Pawl Clearances

