



Replacement Of Pushbutton Reset Undervoltage Release Types TK and TJ

REMOVAL FROM BREAKER

For Type TK — Figure 1

1. Trip breaker by pushing PUSH TO TRIP button or rotating Twist-to-Trip button.
2. Disconnect solenoid power source.
3. Remove breaker cover by removing the four breaker cover screws.
4. Holding solenoid plunger seated, remove mounting screw A, Figure 1, and lift complete device from breaker base.

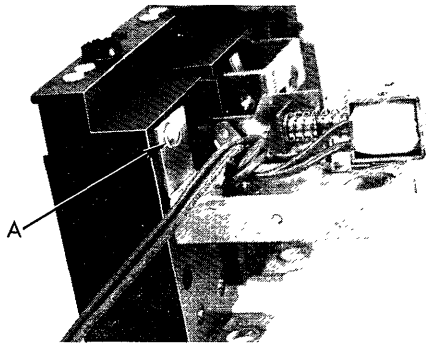


Figure 1

For Type TJ — Figure 2

1. Trip breaker by pushing PUSH TO TRIP button or rotating Twist-to-Trip button.
2. Disconnect solenoid power source.
3. Remove dust cover, if desired, by loosening the two dust cover mounting screws.
4. Remove breaker cover by removing the four cover mounting screws.
5. Holding solenoid plunger seated, remove mounting screw B Figure 2, and lift complete device from breaker base.

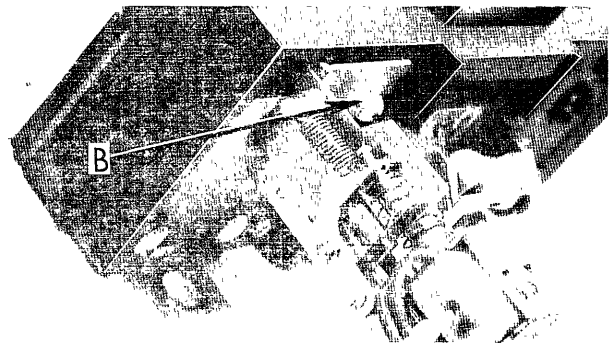


Figure 2

ASSEMBLY IN BREAKER

NOTE: The trip unit may not have an insert for installation of the replacement device. The following instructions detail the insert installation procedure.

Installation of Insert

For Type TK — Figure 3

1. Using hole C, Figure 3, as a pilot, drill a .187 dia. hole .327 (21/64) deep.
2. Press in the insert (supplied with kit) until it is flush or below the surface.

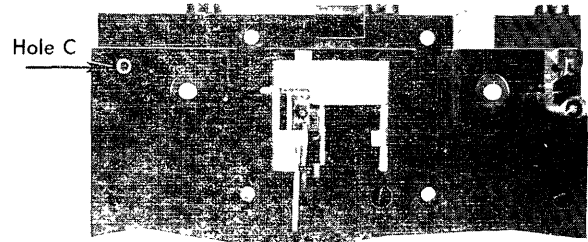


Figure 3

For Type TJ — Figure 4

1. Using hole D, Figure 4, as a pilot, drill a .187 dia. hole .327 (21/64) deep.
2. Press in the insert (supplied with kit) until it is flush or below the surface.

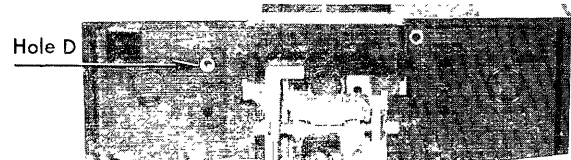


Figure 4

(cont'd on reverse side)

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

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Installation of UVR Device

For Type TK — Figure 5

1. Hold solenoid plunger firmly seated while positioning device in breaker.
2. Holding the assembly firmly against the trip unit and using mounting screw A supplied with kit, tighten screw to 10 inch pounds torque.
3. Position lead wires to line up with notch in cover as cover is installed.
4. Reinstall cover mounting screws.
5. Reconnect solenoid leads to power source.

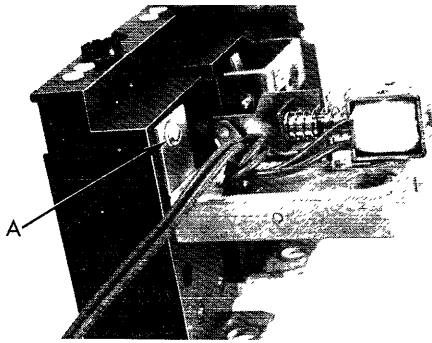


Figure 5

For Type TJ — Figure 6

1. Hold solenoid plunger firmly seated while positioning device in breaker.
2. Holding the assembly firmly against the trip unit and using mounting screw B supplied with kit, tighten screw to 10 inch pounds torque.
3. Position lead wires to line up with notch in cover as cover is installed.
4. Reinstall cover mounting screws.
5. Reconnect solenoid leads to power source.

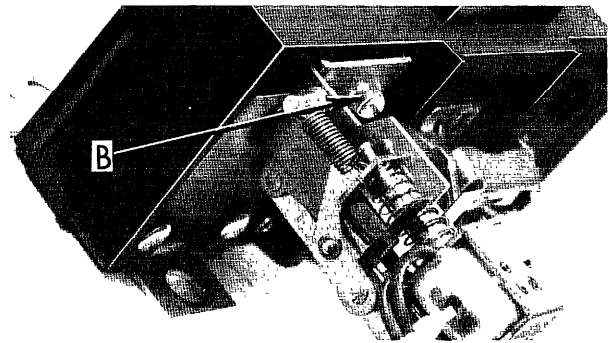


Figure 6

FUNCTIONAL CHECKS

1. With no power to solenoid.
It should not be possible to turn breaker handle ON.
2. With power to solenoid.
 - a) Before depressing reset button, it should not be possible to turn breaker handle ON.
 - b) Depress and hold down reset button. It should not be possible to turn breaker handle ON.
 - c) Release reset button. Breaker handle should reset and breaker be capable of being turned ON.
 - d) Depress reset button. Breaker handle should move to the tripped position.
 - e) Reset breaker handle and turn breaker ON. Remove solenoid power. Breaker handle should move to the tripped position.

Reinstall dust shields and breaker cover as described in GEH-3491 and GEH-3492.