



POWER-BREAK™ DOOR INTERLOCK

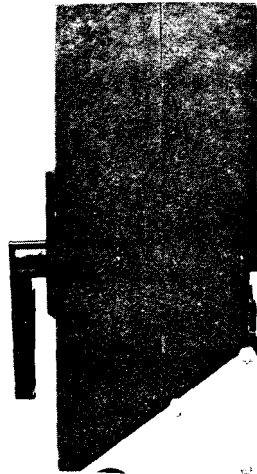


FIGURE 1

STATIONARY BREAKER TYPE



FIGURE 2

DRAWOUT BREAKER TYPE

GENERAL DESCRIPTION

The Door Interlock is used to prevent the enclosure or switchboard door from being opened when the circuit breaker is closed. It consists of a plunger actuated by the breaker contact arm which moves a lever system to engage a hook on the enclosure door. A hole (see outline drawing, page 4) provides access to defeat the system. The lever is built to engage the door hook if the door is closed with the breaker "ON".

CATALOG NUMBERS

	STATIONARY	DRAWOUT
MANUAL	TSDL5	TSDLR
ELECTRICAL	TSPDLS	TSPDLR

CAUTION

When installing accessories, the breaker must be completely de-energized and disconnected from the electrical circuit. This is mandatory because breaker must be "ON" during certain stages of installation and testing.

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.

INSTALLATION — STATIONARY BREAKER

Open the breaker by pushing the "OPEN" button. Remove the breaker cover and trip unit as described in GEH-3371. Use a screwdriver to pry out the left side knockout in the back of the breaker (as viewed from the rear, line side up) as shown in figure 4.

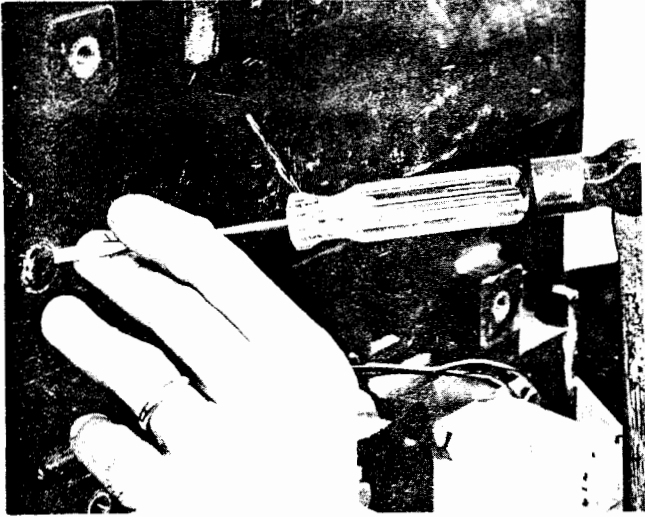


FIGURE 4

Insert the plunger supplied with the kit as shown in Figure 5.

Attach the sub assembly, Figure 6, using the one hole provided. Making sure base of steel plate is located 90° to the breaker mounting surface, use the other two mounting holes to spot the breaker base with a number 7 drill.

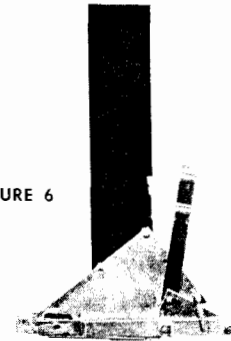
Remove the sub assembly and drill holes as shown on the outline. Install the hex shoulder insert from the inside in the $\frac{3}{8}$ " hole, reposition and install the sub-base using hardware supplied. Make sure all debris is removed from inside the breaker; then reinstall the trip unit and cover as described in GEH-3371.

Some adjustment may be required as described on facing page.



FIGURE 5

FIGURE 6



INSTALLATION — DRAWOUT BREAKER

Remove Drawout inner frame as described in GEH-3386.

Assemble parts as shown in Figure 7.

Reinstall Drawout inner frame and adjust as described on facing page if required.

Electrically Operated Breaker

An extra long hook is provided for the electrically operated breaker drawout interlock. Assemble to the lock arm in the same fashion as the short hook, Fig 7.

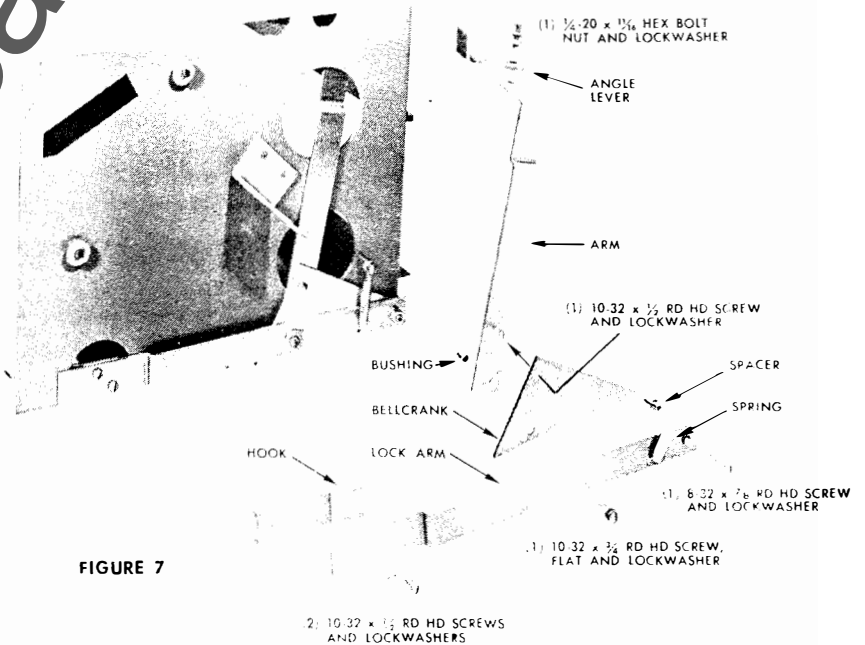


FIGURE 7

WWW.ElectricalPartMa

The Stationary Breaker Unit consists of a sub assembly which is shipped separately and which must be bolted to the breaker side on installation. Breakers ordered with factory installation have mounting holes supplied. For installation on breakers already in service, some additional work must be done.

Both Stationary and Drawout versions require an

access hole in the breaker's mounting structure (see outline drawing, page 4).

Drawout units which are factory installed have all elements already attached to the drawout housing. Field assembly requires assembly of parts to holes provided in the drawout housing.

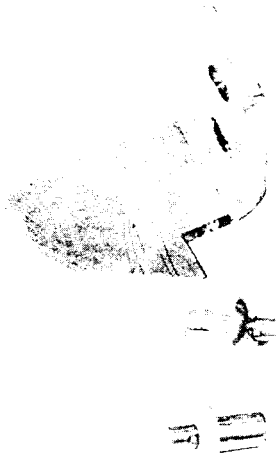


FIGURE 3

CATCH and DRIVE RIVETS

All catalog units require customers to install hook on door or front panel.

CATCH INSTALLATION

Drill two .191 holes as shown on outline page 4. Locate the hook and attach with the drive rivets supplied. A $\frac{1}{4}$ -inch defeating access hole may be added, if desired.

FACTORY INSTALLED UNIT INSTRUCTIONS

STATIONARY BREAKERS:

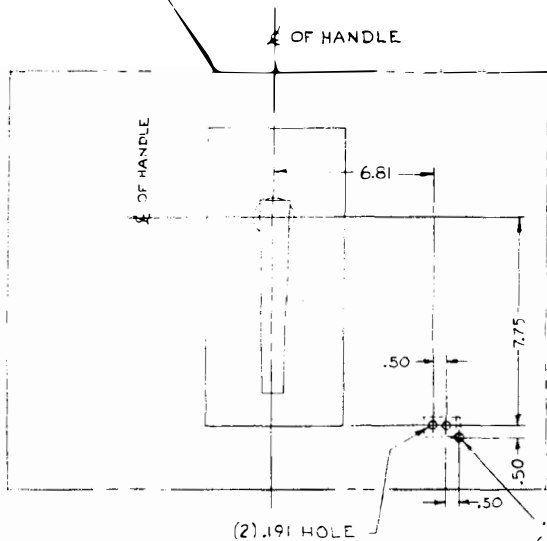
Place the plunger in position in the hole provided at the right rear of the breaker. Position the sub assembly and fasten with hardware supplied. With the breaker in the "OPEN" circuit condition, the hook lever should clear the hook by approximately $\frac{1}{16}$ -inch. (See outline page 4).

Should adjustment be necessary, hold the plunger lever against the plunger, loosen the lever adjusting screw, raise or lower the hook lever to the correct location, and re-tighten the screw to 15-20-inch pound torque.

DRAWOUT BREAKER:

This unit is completely installed, but some adjustment may be required. If so, follow directions of second paragraph under "STATIONARY BREAKERS."

FRONT SUPPLIED BY CUSTOMER



NOTE: DRILLING AND CATCH ASSEMBLY TO BE DONE BY CUSTOMER

Front View

FOR FIELD INSTALLATION, STATIONARY BREAKERS

DRILL .147 HOLE .50 DEEP (FOR THD FORMING SCREW)

DRILL .38 HOLE THRU WALL (FOR SHOULDER STYLE INSERT)

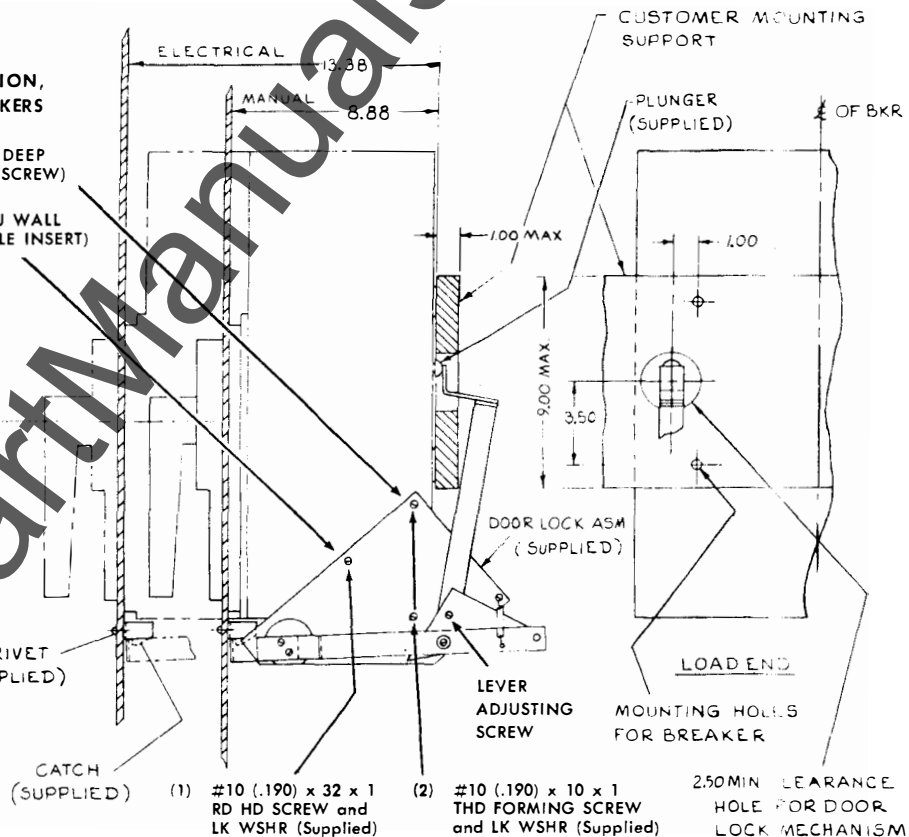
DRIVE RIVET (SUPPLIED)

CATCH (SUPPLIED)

(1) #10 (.190) x 32 x 1 RD HD SCREW and LK WSHR (Supplied)

(2) #10 (.190) x 10 x 1 THD FORMING SCREW and LK WSHR (Supplied)

2.50 MIN CLEARANCE HOLE FOR DOOR LOCK MECHANISM



Right Side View

Rear View

FIGURE 8

DIMENSIONAL DRAWING, DOOR INTERLOCK.