Installation
Instructions
For Catalog
No. TDOSD6

POWER BREAK® Draw Out

Secondary Disconnects For Additional Control Devices

DESCRIPTION

The "finger" secondary disconnect for breaker mounting (Fig. 2) and the "slide" disconnect for substructure mounting (Fig. 1) are supplied separately. They are intended for use when additional accessories are added in the field, and more disconnect points than are available are required.

INSTALLATION INSTRUCTIONS

All factory installed accessories are wired alpha-numerically in a set sequence, as shown in Fig. 3 and 4, following the accessory lead number defined on the circuit index card (GEJ-3038 for MicroVersaTrip® or GEJ-4672 for MagneTrip™ and Molded Case Switches.) No positions are left open for missing accessories. So, if the customer chooses to add these later, it may be impossible to follow the sequence and can create wiring problems if a replacement unit is ordered later. Therefore, it will be the customers responsibility to notify the factory as to what positions are required, or to modify the circuit positions on the housing to suit.

With the breaker removed from the substructure, install the finger disconnect (Fig. 2) in the next sequence location (Fig. 3 and 4). Position the unit with wire terminal screws toward the front of the breaker using the 1/4″ long screws and lockwashers supplied (torque to 15-20 in. lbs.).

Install the accessory as described in the instruction sheet supplied with it, and, route the wires as suggested in Fig. 3, 4, 5 and 6 using sleeving, as required, attaching to the drawout side sheets with wire ties or clamps as shown.

IMPORTANT: Following the index tag, and Fig. 11 on back page, pre-position the wires in numerical order, top to bottom, cut, strip and crimp on terminals supplied and attached to the desired positions. Label with the correct circuit tabs.

Refer to Fig. 11 for typical wiring examples.

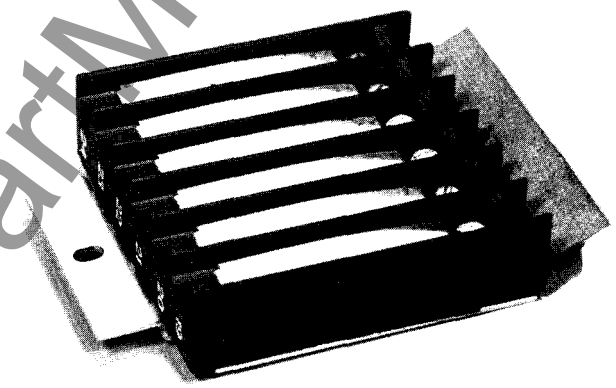


Fig. 1
Substructure mounted slide disconnect, TDOSD6S

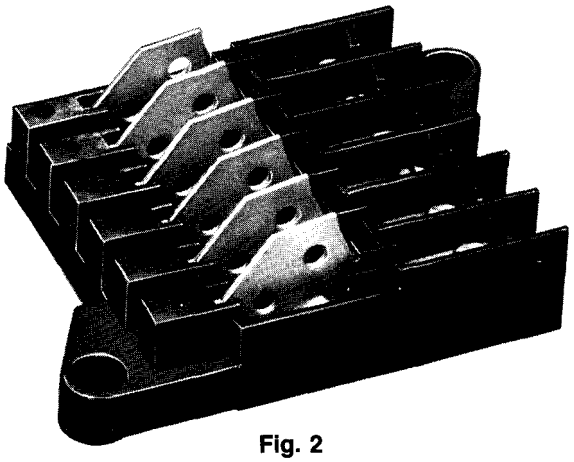


Fig. 2
Breaker mounted finger disconnect, TDOSD6

GENERAL ELECTRIC

CAUTION:

Before installing the slide disconnect, all primary power should be shut off.

Position the slide disconnect in the correct location to match the position chosen for the finger disconnect unit (Fig. 7) and attach with hardware as shown in Fig. 8, 9A or 9B making sure terminal screws are to the rear of the compartment.

Apply circuit number tabs as shown in Fig. 8 corresponding to the location chosen for the breaker disconnects and connect external control wiring to correct terminal screws. Holes have been provided in rear flanges and sides of housing to permit wire passage. Wire ties are included in kit to bundle conductors and grommets for the large wire holes at the rear of the compartment.

CAUTION — Do not attach more than one wire per terminal, and use only uninsulated crimp terminals (#16 - #14 awg are supplied). Wires should extend straight back along the compartment wall because any excess height at the screws may cause the fingers to lift, not allowing proper contact.

Install the breaker on the rails and roll in to the disconnect position. Check clearance shown in Fig. 10. If required, equally adjust front and rear with washers.

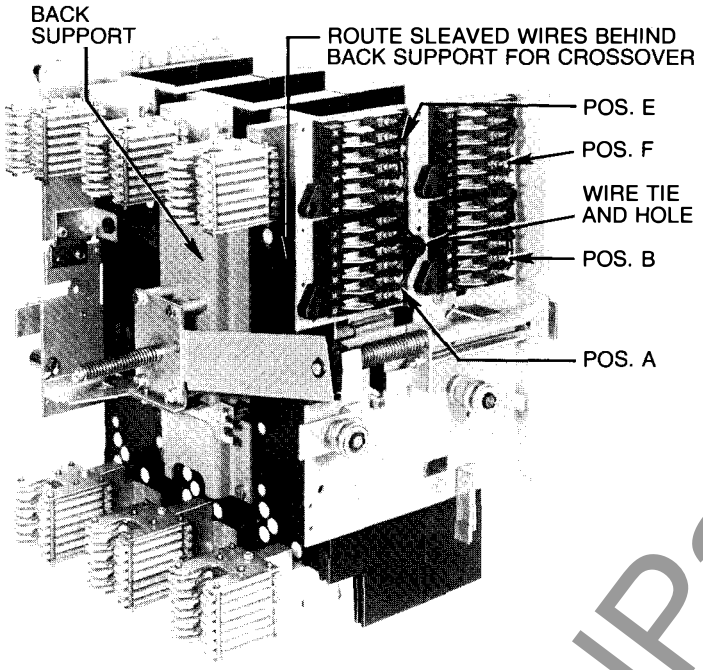


Fig. 3 View of left side.

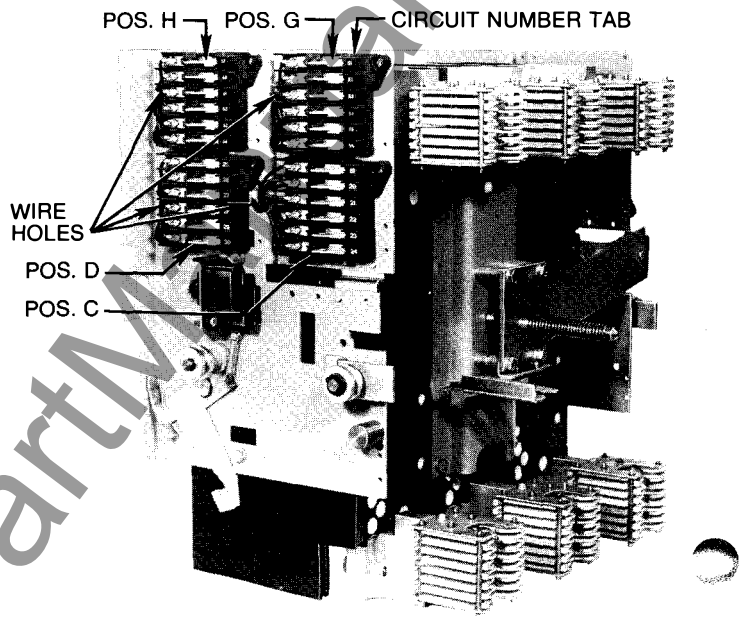


Fig. 4 View of right side.

800-2000A FRAME SIZES
Note: 800A—Positions A-B-C-D Only

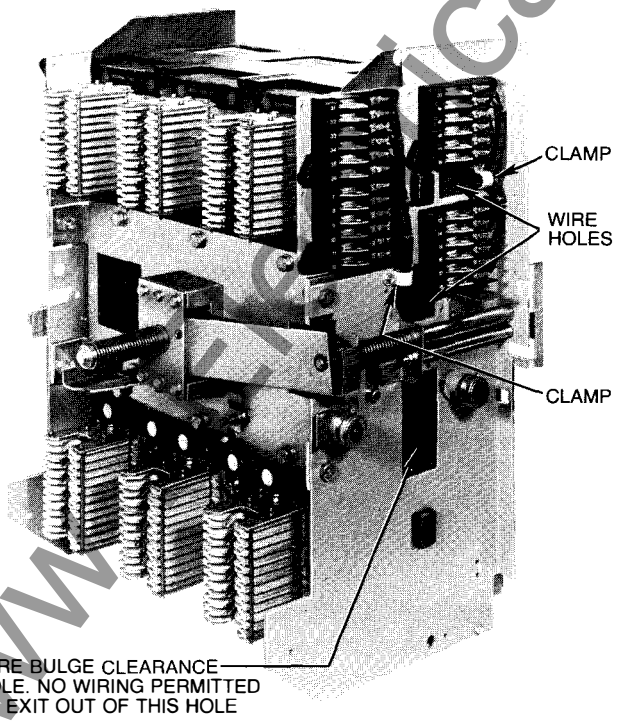


Fig. 5 View of left side.

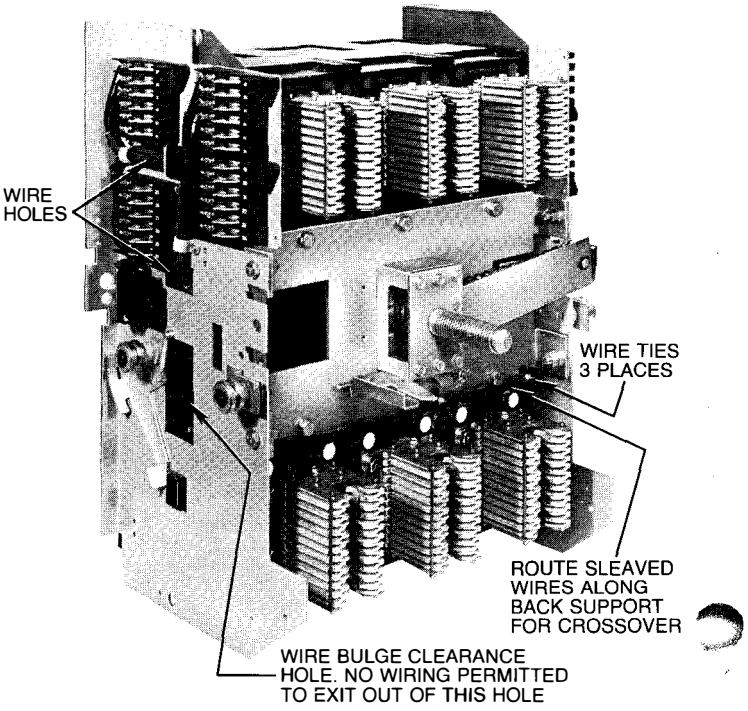


Fig. 6 View of right side.

2500-4000A FRAME SIZES

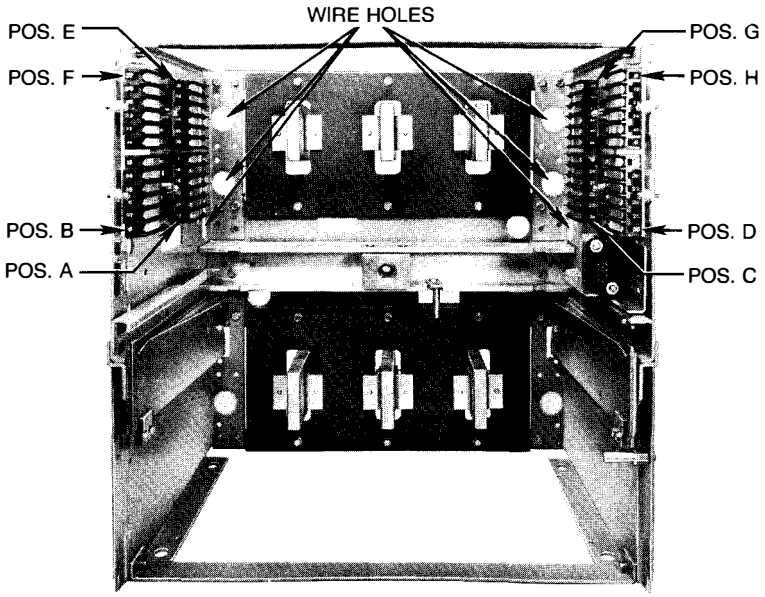


Fig. 7

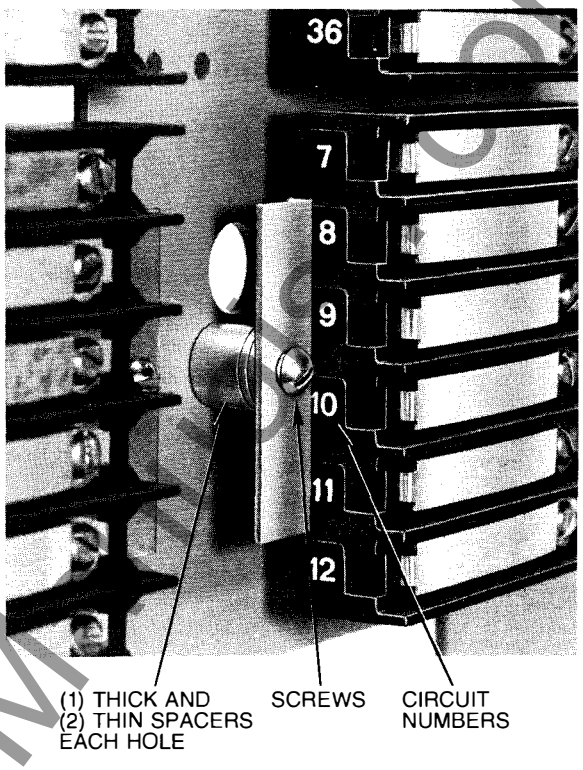


Fig. 8 Rear disconnect.

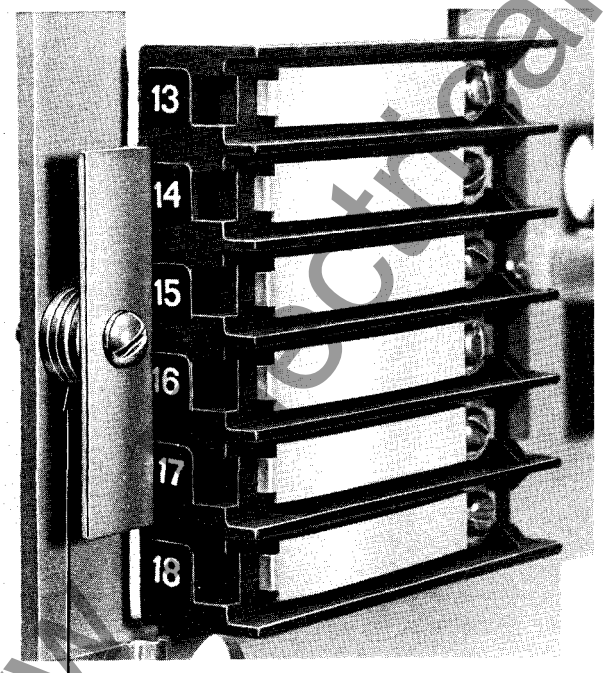


Fig. 9A Front disconnect.

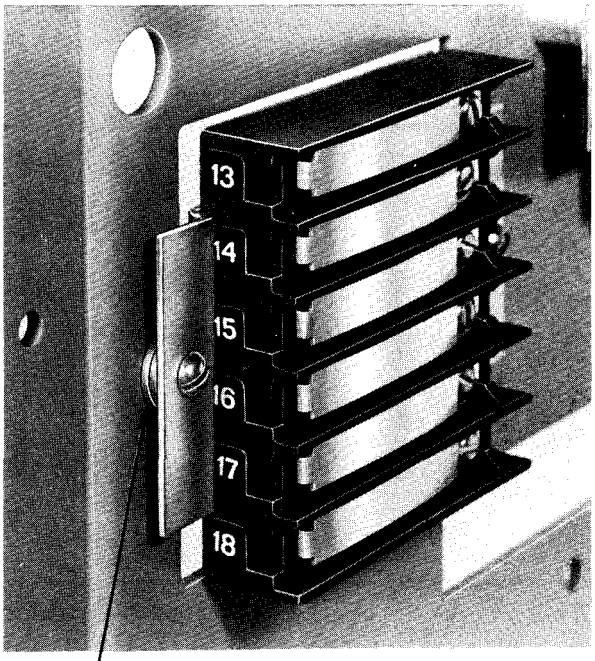


Fig. 9B Front disconnect.

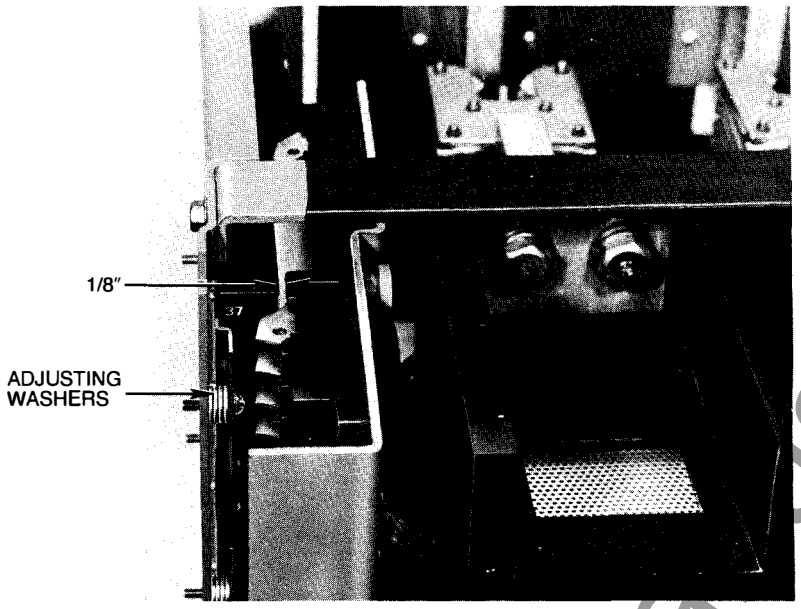
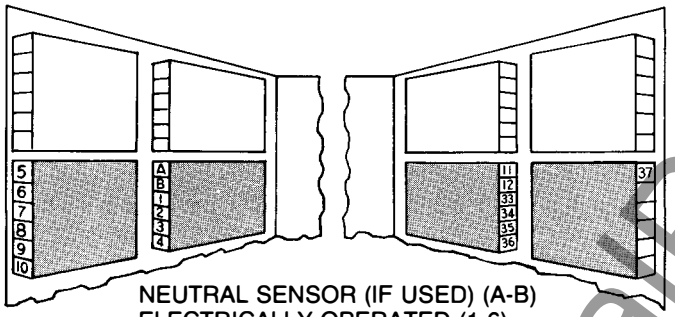
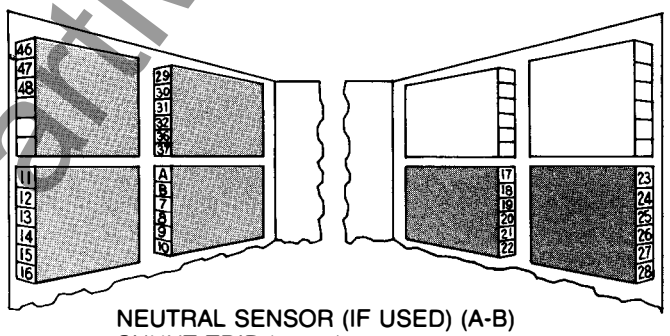


Fig. 10 Secondary disconnect adjustment

MICROVERSATRIP®

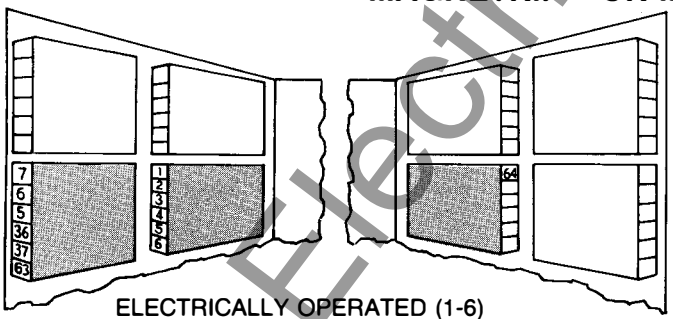


NEUTRAL SENSOR (IF USED) (A-B)
ELECTRICALLY OPERATED (1-6)
SHUNT TRIP (36-37)
(2) AUXILIARY SWITCHES (7-12)
BELL ALARM (33-35)

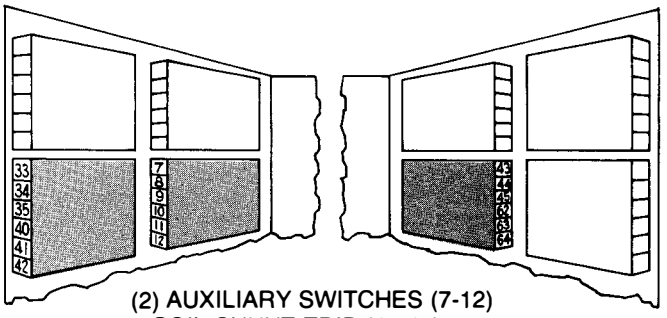


NEUTRAL SENSOR (IF USED) (A-B)
SHUNT TRIP (36-37)
UNDERVOLTAGE RELEASE (31-32)
(9) AUXILIARY SWITCHES (7-30, 46-48)

MAGNETRIP™ OR MOLDED CASE SWITCH



ELECTRICALLY OPERATED (1-6)
SHUNT TRIP (36-37)
AUXILIARY SWITCH (7-9)
REMOTE CHARGE INDICATION (63-64)



(2) AUXILIARY SWITCHES (7-12)
3-COIL SHUNT TRIP (40-45)
BELL ALARM (33-35)
REMOTE CLOSE SOLENOID (62-64)

Fig. 11. Typical terminal location examples

For further information call or write your local General Electric Sales Office or . . .

Construction Equipment Business Operations
41 Woodford Avenue
Plainville, CT 06062 U.S.A.

Outside the U.S. and Canada write International Trading Operations.
570 Lexington Avenue, New York, NY 10022 U.S.A.

GEH-4696B 1184 PSA

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