



TYPE OD OVERCURRENT TRIP DEVICE REPLACEMENT PROCEDURE FOR K-1600 CIRCUIT BREAKERS

General

The overcurrent trip device as shown in Figure 1 has been designed to provide a means of automatically opening the circuit breaker under abnormal current conditions. General instructions for the overcurrent trip device for the K-1600 circuit breakers are given in instructions IB-5720 and IB-5721. Replacement of the K-line overcurrent trip device can be readily accomplished in the field.

Removal Procedure

Instructions for the replacement of the overcurrent trip devices are given as follows:

DE-ENERGIZE THE PRIMARY AND CONTROL CIRCUITS BEFORE PROCEEDING WITH ANY WORK.

This is automatically done in racking out a drawout type unit. However, with the stationary type greater care must be exercised in removing the electrical connections. All external electrical connections which are to be removed should be identified properly before disconnecting. Recommended procedure for working on any K-line circuit breaker is to remove the breaker from its enclosure and place it on a convenient work bench.

- (a) The mounting support (1) in Figure 2 for the secondary control contacts (2) on the drawout type circuit breaker must be detached from the panel by removing the four mounting screws (4). The primary disconnect contacts (3) should also be removed from the terminal stud (6) by removing their retaining pins.

As there are no secondary or primary contacts on the stationary type breakers, it will not be necessary to remove these items as described above.

- (b) The overcurrent trip devices are to be separated from the circuit breaker panel by removing the four terminal screws (7) located above the circuit breaker terminal studs (8).

NOTE: These screws (7) as well as the four screws (8) have been fastened by power-driven tools at the factory and it will be necessary to exert a relatively great effort to remove them.

- (c) The four mounting screws (8) should then be removed from the lower molding (5). The complete overcurrent trip device assembly can then be taken from the rear of the circuit breaker support panel.

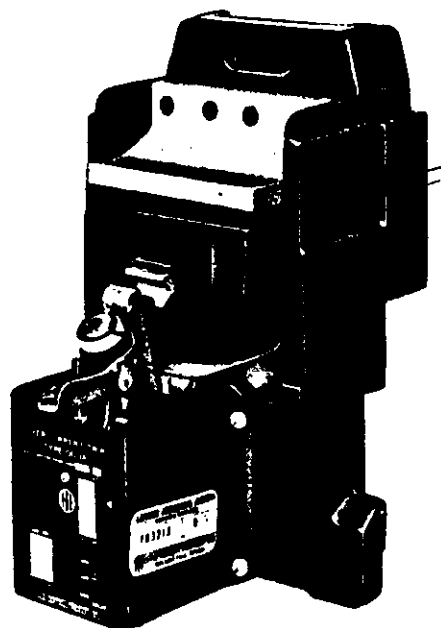


Photo 30042-R

Fig. 1. Lower molding assembly with standard type OD overcurrent trip devices for K-Line circuit breakers.

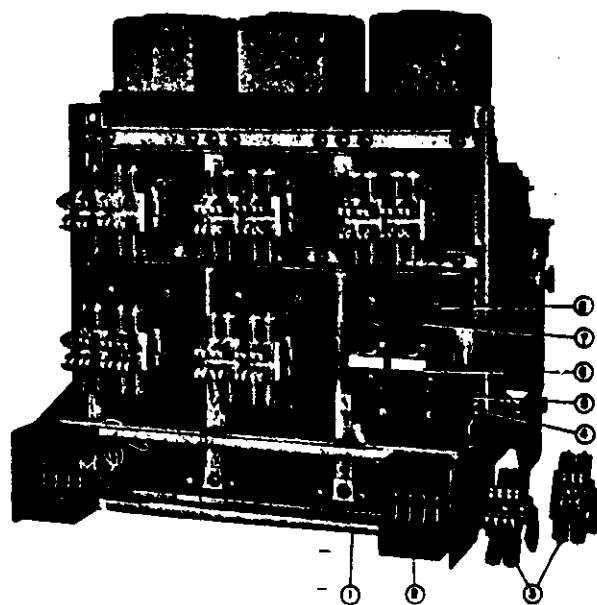


Photo 30263-A

Fig. 2. Rear view of K-1600 Drawout Circuit Breaker.