

## KS-20100, L2 TEST SET PIECE PART REPLACEMENT

### 1. GENERAL

1.01 This section covers the general information pertaining to the piece part replacement procedures of the KS-20100, L2 test set.

1.02 When this section is reissued, the reason for reissue will be listed in this paragraph.

1.03 The KS-20100, L2 test set is shown in Fig. 1. This test set is used in testing the 3- and 4-type protector units. The KS-20100, L2 test set is housed in a conduit box which allows for wall mounting.

1.04 The incoming 120 volt ac power leads (black and white) and the ground lead (green) are terminated on a barrier strip. The leads for the internal components of the test set are terminated on the other side of the strip. This barrier strip is located directly inside the conduit box and is accessed by removing the test set faceplate.

1.05 The KS-20100, L2 now contains a warning label. This label warns that 120 volts ac is present inside the test set. The label also provides the space necessary to record the location of the 120 volt power supply fuse. Installation of a warning label or a new L2 test set should always include the location of the fuse.

### 2. REPLACEMENT PROCEDURES

#### TESTING

2.01 Should the test set become inoperative, check the 1/4 amp fuse of the test set. If the

fuse is good, determine if the ac power supply to the test set is present. If the ac power supply is present, the test set can be considered defective.

#### REMOVAL

2.02 Defective KS-20100, L2 test sets are not repairable and should be replaced with a new test set. To replace the test set:

- (a) Remove the 120 volt ac power supply to the test set. The location of the fuse is recorded on the warning label.
- (b) Remove the four faceplate mounting screws.
- (c) Using the KS-14510, L11 volt-ohm-milliammeter (VOM), confirm that the incoming 120 volt ac power has been removed.
- (d) Disconnect the faceplate power leads (black and white) from the barrier strip.
- (e) Remove the faceplate from the test set housing (conduit box).

**Note:** Only the faceplate which houses the electronic components of the test set is removed.

- (f) Replace the defective test set with a new KS-20100, L2 test set by reversing Steps (a) through (e).
- (g) Discard the defective KS-20100, L2 test set as stated per local procedures.

#### NOTICE

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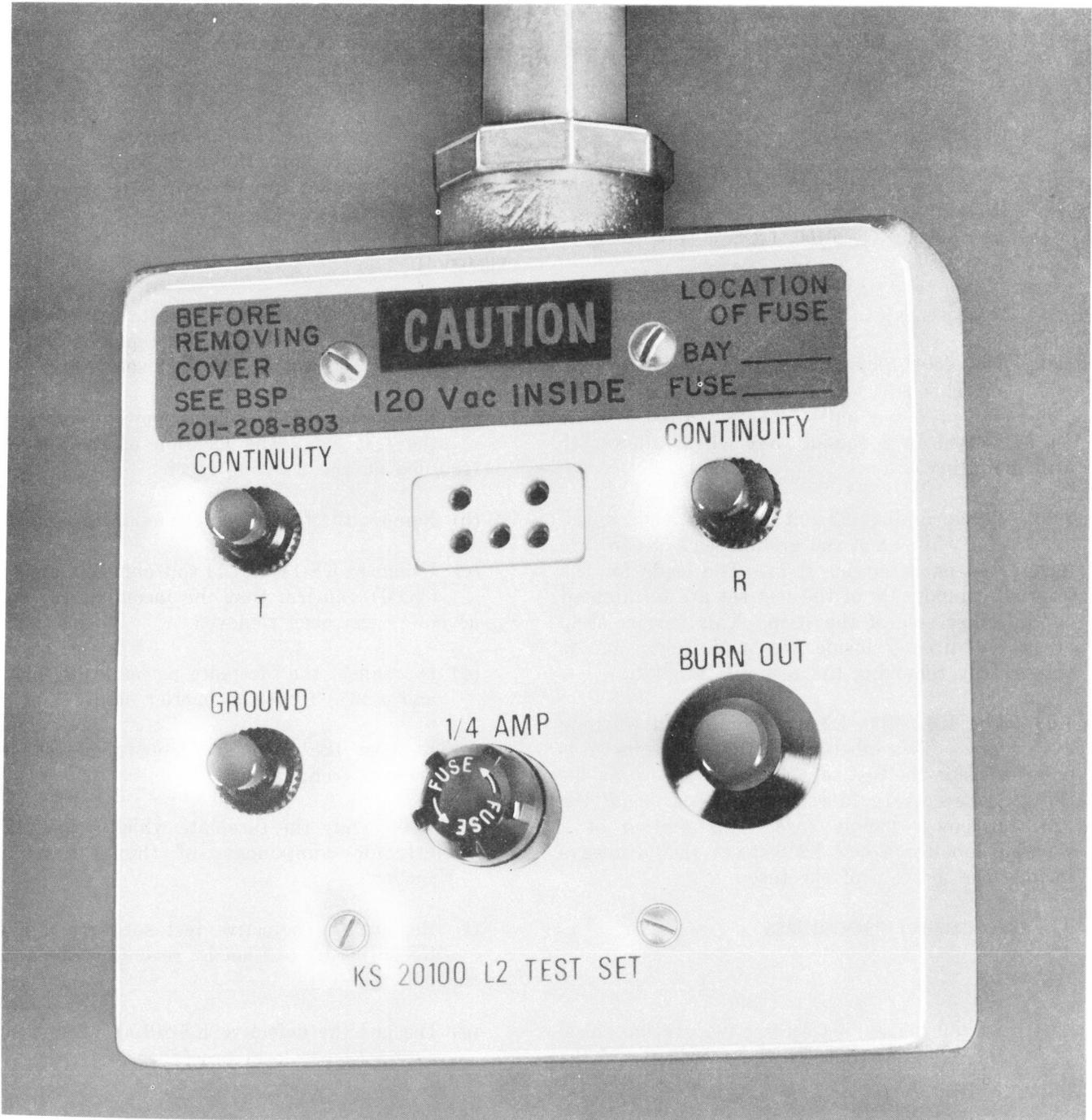


Fig. 1—KS-20100, L2 Test Set