

1188A TEST SET DESCRIPTION AND USE

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test set handle. A test of the 188A internal circuit is also performed by the 1188A test set.

2. PRECAUTIONS

2.01 Do not attempt to bypass safety switches in the test set.

2.02 Do not attempt to insert any object other than 188A test set into test set when power is present.

2.03 Take reasonable care to protect test set from water as it is not waterproof.

1. GENERAL

1.01 This section covers the description and use of the 1188A test set. The test set is used to test the 188A test set (Stop Lite).

1.02 Whenever this section is reissued, the reasons for reissue will be listed in this paragraph.

1.03 The 1188A test set is designed to perform a 30,000V test of the 188A test set. This test determines the dielectric strength of the 188A

3. DESCRIPTION

3.01 The 1188A test set (Fig. 1) is a portable test set that operates on 110-120 Vac 60 Hz. The test set is housed in a case designed for transporting or shipping without the use of other containers. The test set weighs approximately 39 pounds and is 18 inches wide by 12 inches high by 18 inches long. The power cord is stored in the cover of the test set. All controls and indicators are located on the front panel (Fig. 2). There are no internal controls or adjustments to be made.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

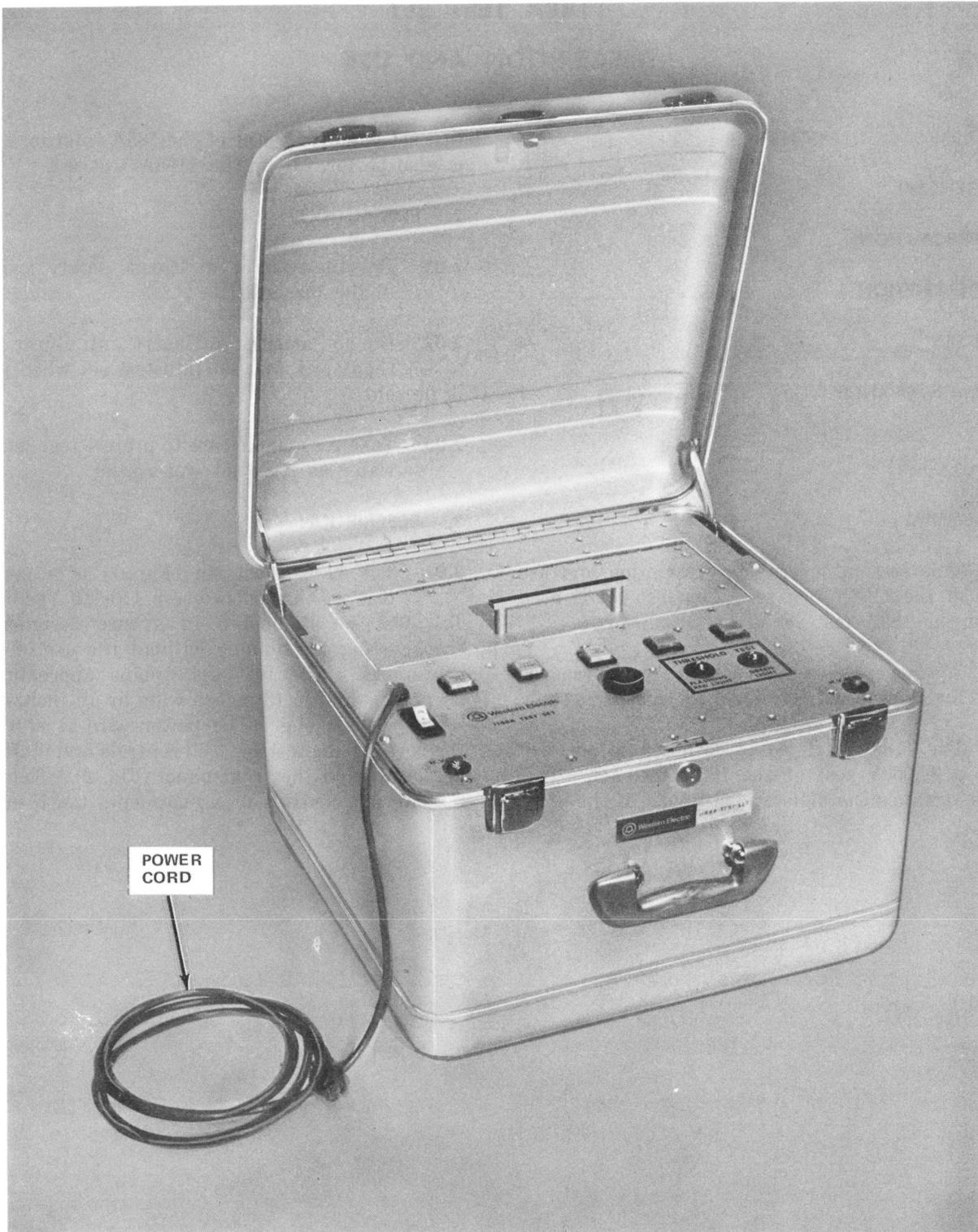


Fig. 1—1188A Test Set

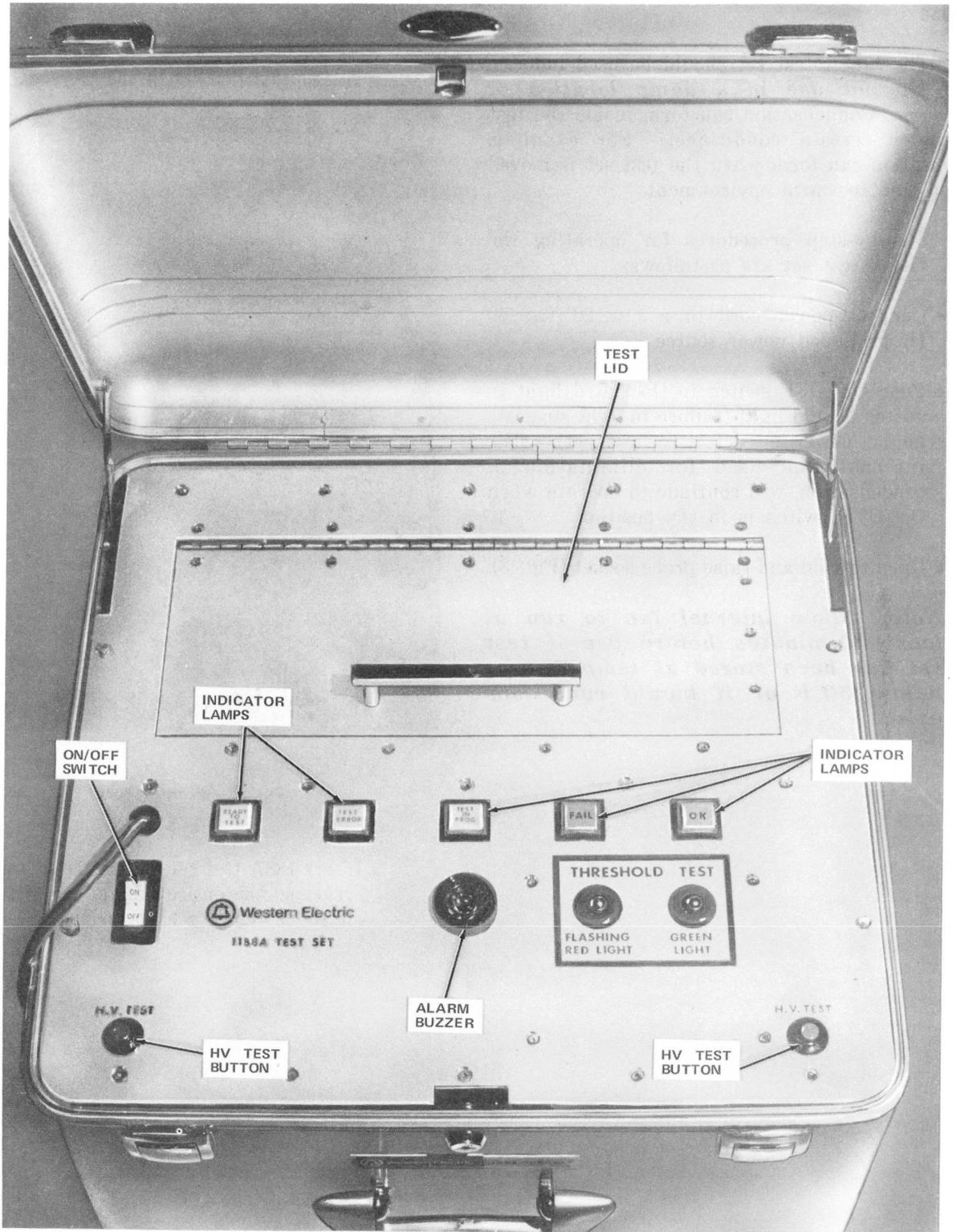


Fig. 2—Front Panel

4. USE

4.01 The 1188A test set should be used indoors.

Do not use in a damp location or outdoors. Condensation can form inside the test set under certain conditions. For example, condensation can form when the test set is moved from a cold to warm environment.

4.02 Step-by-step procedures for operating the 1188A test set are as follows:

- Connect power cord to a 110-120 Vac 60 Hz grounded power source.
- Push ON/OFF switch to ON. Red light in switch should light (failure to light suggests no ac power or defective test set). The internal fan, used for elimination of condensation, will continue to operate when ON/OFF switch is in ON position.
- Open test lid and raise probe socket (Fig. 3).

Note: Allow internal fan to run at least 30 minutes before use if test set has been stored at temperatures below 50°F or if humid conditions exist.

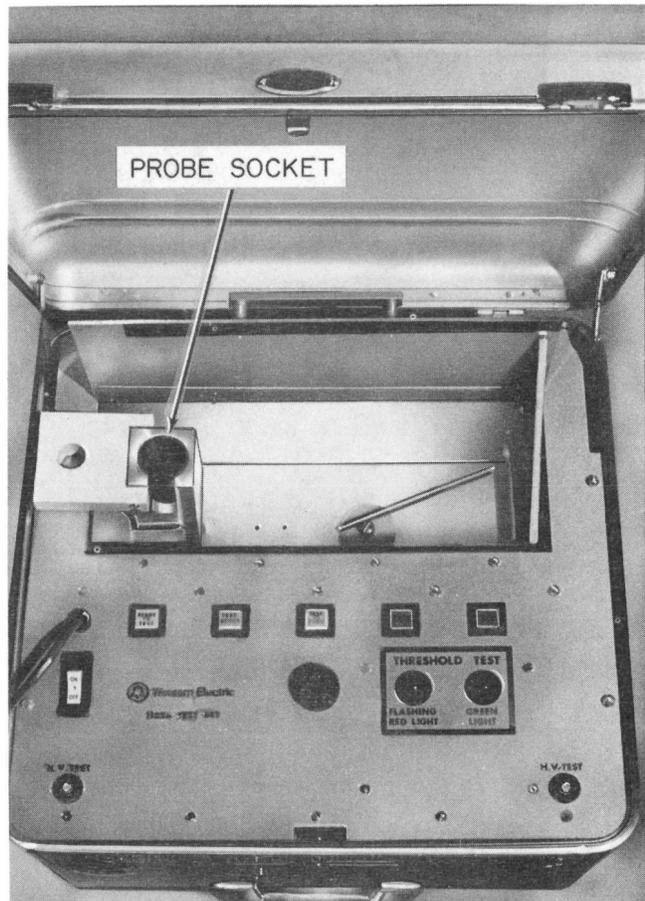


Fig. 3—Probe Socket

- Insert 1188A test set, handle first, into probe socket so the entire handle, up to the flash guard, is inside socket (Fig. 4).

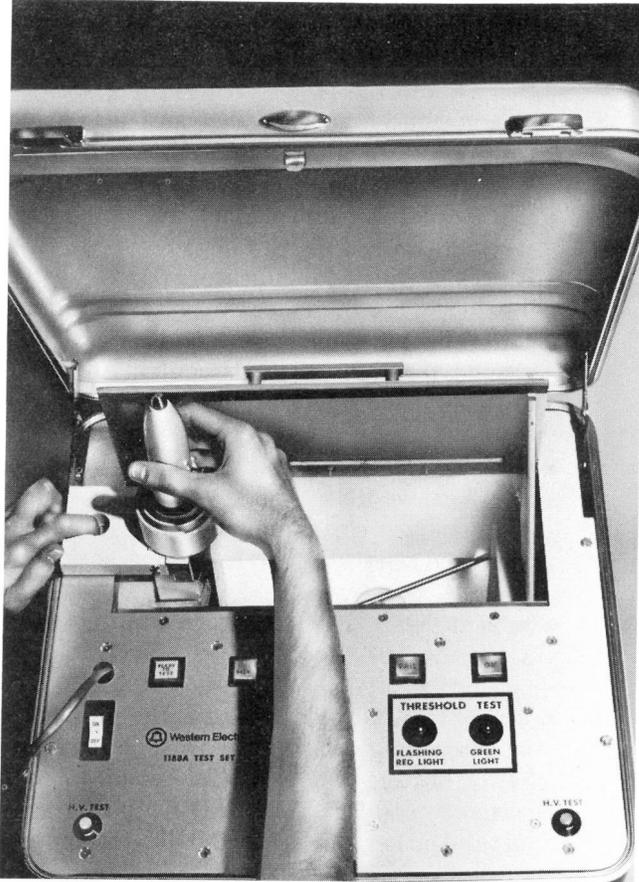


Fig. 4—188A Inserted in Socket

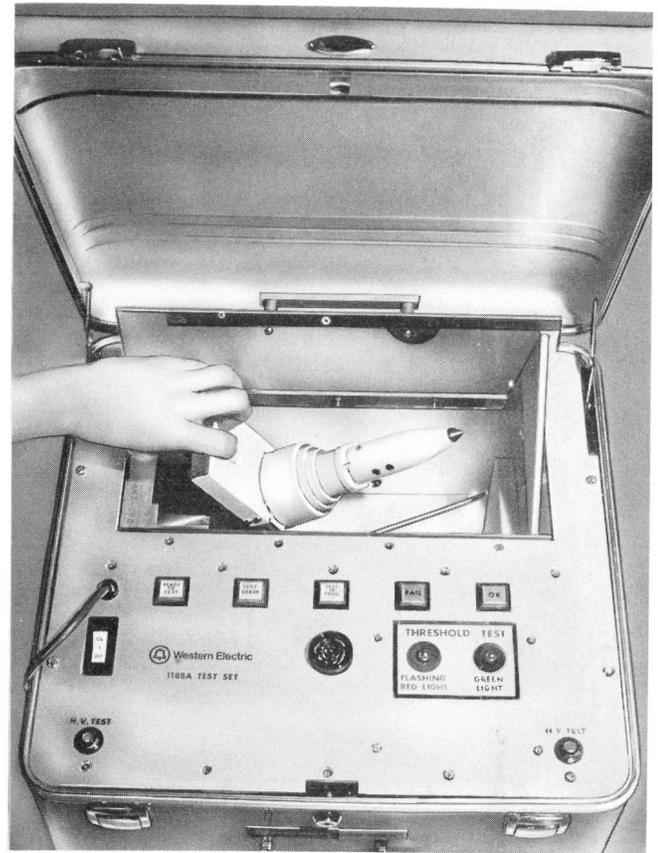


Fig. 5—Lowering 188A Test Set

- Lower test probe. **Do not drop. Do not slam test lid shut.** The 1188A test set will not operate unless a 188A test set is inserted in the test probe socket and the test lid is closed (Fig. 5 and 6).

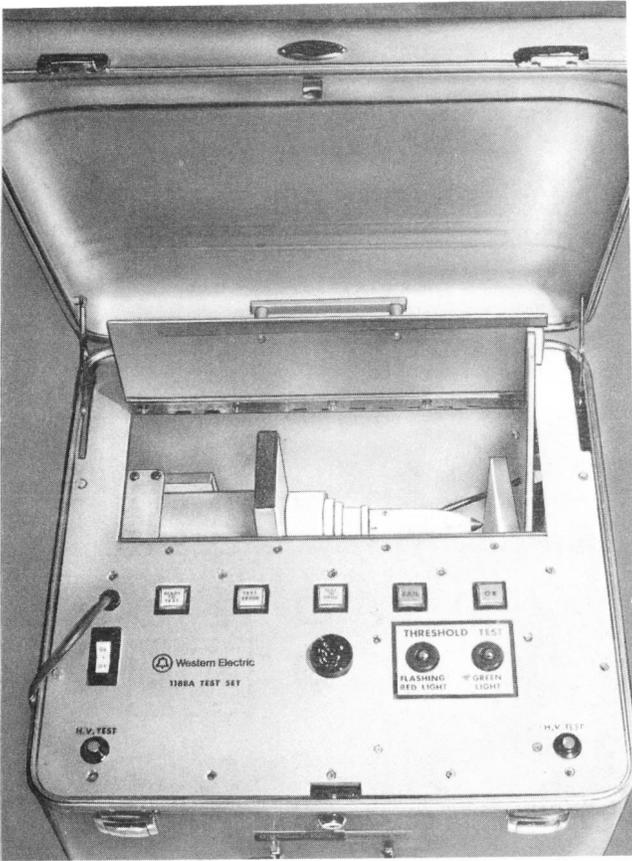


Fig. 6—188A in Test Position

- The READY TO TEST indicator should light. (Failure to light suggests that the test lid is not closed or the 188A test set is not in place.)
 - Depress both HV TEST buttons and hold for about 15 seconds. READY TO TEST indicator lamp will go out. After about two to three seconds, TEST IN PROG indicator should light. However, ERROR or FAIL indicator lamps may light.
 - If FAIL indicator lights, the AUDIBLE ALARM BUZZER will sound.
 - Release both HV TEST buttons, open test lid, and remove 188A test set.
 - Inspect test socket for cleanliness and dryness.
 - Inspect 188A for dryness and obvious defects (such as cracks in handle).
 - If test socket appears dry and no obvious defects are seen on 188A, repeat test.
 - If 188A fails again, do not use.
 - If TEST ERROR indicator lights, test is invalid. This indicates early release of HV TEST buttons, poor contact between 188A ground terminal and HV contact in 1188A, or 1188A malfunction.
 - Release HV TEST buttons, open test lid, and remove 188A. Make sure that ground contacts are clean and dry and that 188A is seated correctly in test probe socket.
 - Repeat test; if ERROR indicator lights again, do not use 188A.
 - When TEST IN PROG indicator lights, test is proceeding. Continue to hold both HV TEST buttons depressed for about 15 to 20 seconds until TEST IN PROG indicator goes out and either OK or FAIL indicator appears.
- 4.03** A threshold test of the 188A must be made after the high voltage test. This checks the internal circuits of the 188A. To make the threshold tests, proceed as follows:
- Depress and hold either HV TEST button.
 - Follow instructions on the handle of 188A and touch post marked GREEN LIGHT (Fig. 7).
 - 188A should indicate safe condition. (An initial static discharge may occur and cause red flashing LED. When this occurs, release the 188A trigger switch while keeping the HV TEST BUTTON depressed. Depress the trigger switch a second time. If red remains, **do not use 188A**).
 - Depress and hold either HV TEST button and touch post marked FLASHING RED LIGHT. Red LED on the 188A should flash indicating test set is OK. If 188A does not flash, do not use 188A.

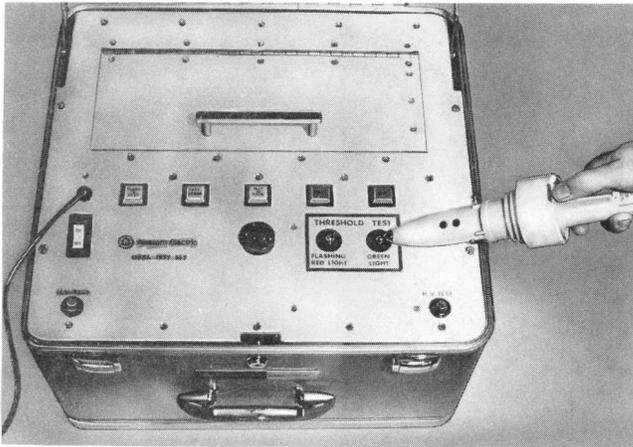


Fig. 7—Touching Post

5. MAINTENANCE

5.01 No maintenance shall be performed except replacing the lamps in the front panel. Return for repair in accordance with local procedures.

5.02 To replace lamps, remove indicator screen by grasping slots on opposite sides of screen and snap out of housing (Fig. 8). Remove the lamp retainer from the indicator screen and press the lamp out of the retainer (Fig. 9). After replacing the lamp, snap the retainer onto the indicator screen. The replacement lamp is a standard 387-type lamp (Comcode 402464739).

5.03 When replacing indicator screen, insure that it is securely fastened to the lamp socket housing. Remove and replace only one screen at a time. This will eliminate the possibility of transposing screen in another position on the test set.

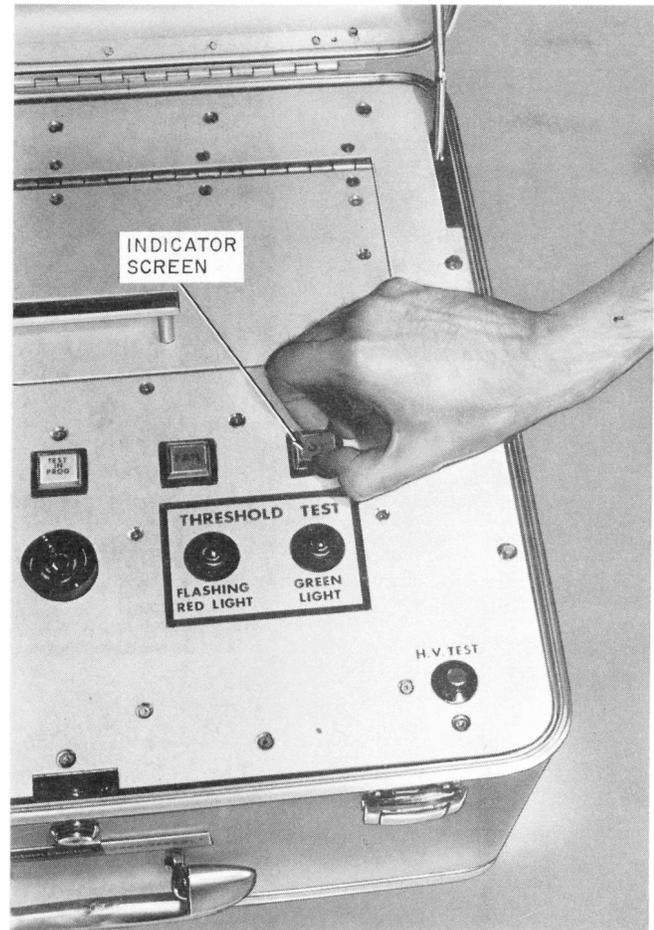


Fig. 8—Removing Lamp Indicator

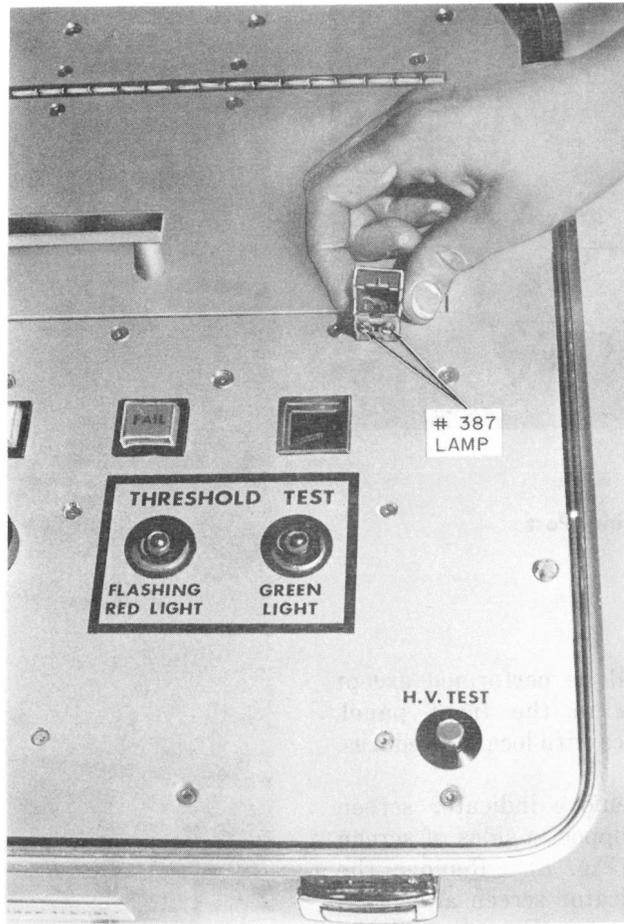


Fig. 9—No. 387 Lamps