

D CONNECTOR PRESSER
B PRESSER CASE
DESCRIPTION AND MAINTENANCE

| | CONTENTS | PAGE | 1. GENERAL |
|----|--------------------------------------|------|---|
| 1. | GENERAL | 1 | 1.01 This section covers the description and maintenance of the D connector presser used to press B wire connectors. Also covered is the B presser case. |
| 2. | DESCRIPTION | 2 | |
| | D CONNECTOR PRESSER | 2 | 1.02 This section is reissued to delete information on the B connector presser and the B presser stand which are rated Manufacture Discontinued. Due to extensive changes, arrows ordinarily used to indicate changes have been omitted. |
| | PRESSER OPERATION | 2 | |
| 3. | MAINTENANCE | 2 | |
| | LUBRICATION | 2 | 1.03 The D connector presser, in conjunction with B wire connectors, provide joints that are electrically equivalent to the soldered twist joint. This quality of connection is essential to meet transmission and noise requirements. <i>Therefore, it is very important that all defective pressers must be repaired or replaced immediately.</i> |
| | CLEANING | 3 | |
| | REPLACING GUARD | 3 | |
| | TESTS | 4 | |
| 4. | B PRESSER CASE | 5 | 1.04 The various gauges and combinations of wire conductors that may be joined with the B wire connector are given in Section 632-205-201. Section 632-205-205 covers the use of the presser in the fold-back method of splicing. |
| 5. | REPLACEMENT PARTS | 5 | |
| | D CONNECTOR PRESSER | 5 | |

NOTICE

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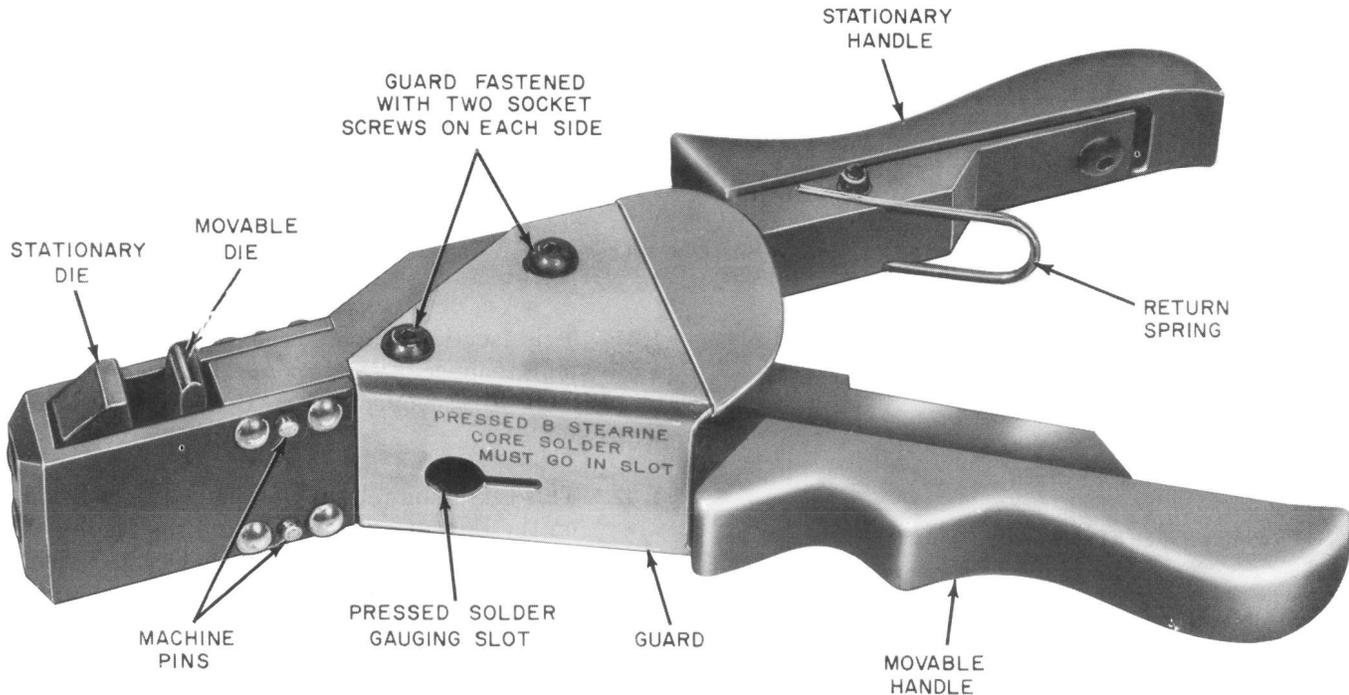


Fig. 1—D Connector Presser

2. DESCRIPTION

D CONNECTOR PRESSER

2.01 The D connector presser (Fig. 1) is a hand tool which is 7 inches long and weighs 15 ounces. It consists of a movable die and a stationary die enclosed in the head, a movable handle and a stationary handle connected with a pivot pin, and a ratchet-pawl mechanism. The pivot pin and ratchet-pawl mechanism are covered by a guard secured with four socket-head screws.

2.02 On an earlier model, a notch was provided in the side of the presser head between the dies for cutting conductors. This feature has been omitted from later models.

PRESSER OPERATION

2.03 When a press is made, the ratchet-pawl mechanism prevents reopening the tool until a complete press has been made. An incomplete press is indicated if the movable handle fails to return to the open position. **The handle should never be opened or closed by force in**

opposition to the normal action of the ratchet-pawl mechanism as this will break or damage the pawl.

3. MAINTENANCE

3.01 The D connector presser is factory adjusted. **No maintenance except lubrication (3.02), cleaning (3.04), and replacement of the guard (3.06) should be performed in the field.**

LUBRICATION

3.02 When in constant use the D connector presser should be lubricated weekly and otherwise as required. Use light machine oil and lubricate the parts shown as follows:

- (a) Hold the tool vertically with the presser head down and apply two drops of oil to the bottom portion of all four sides of the movable handle (Fig. 2). Allow sufficient time for the oil to seep down to the linkage and the pivot pin.

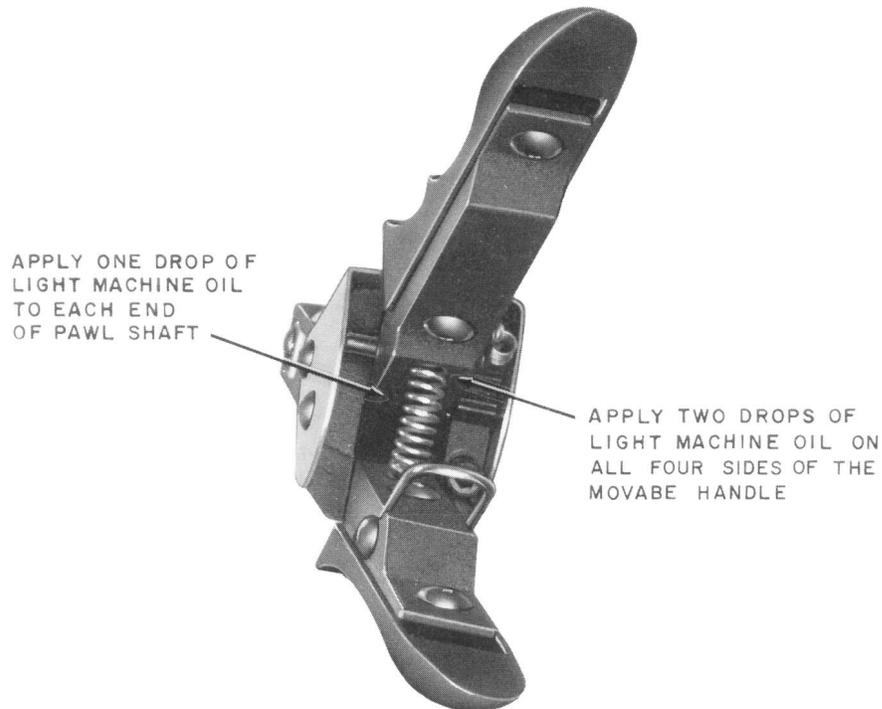


Fig. 2—D Connector Presser—Lubrication

(b) With the presser placed on its side, place one drop of oil on the end of the pawl shaft and work the handles several times. Repeat this procedure with the presser placed on its opposite side, then wipe off any excess oil. Do not apply oil to the die facings. The die facings should be kept free of oil and grease to avoid slippage when the connector is pressed.

3.03 If the presser does not function properly after lubrication, return it for repair in accordance with local procedure.

CLEANING

3.04 To clean the D connector-presser:

(1) Insert a B wire connector between the dies and close the presser handles until the connector is held firmly between the presser dies. This will prevent dirt and oil from being deposited on the die faces and on the bearing surfaces of the linkage during cleaning.

(2) Pour KS-21446 solvent into a clean container large enough to contain the working end of the presser.

(3) Holding the presser by the handles, immerse the working parts of the presser into the KS-21446 solvent and move the presser through the cleaning fluid several times.

(4) The presser must be lubricated after each cleaning (3.02).

Caution: *KS-21446 solvent should be used only outdoors or in well ventilated areas. Avoid inhalation of solvent fluid fumes.*

REPLACING GUARD

3.05 Although of rugged construction, the D connector presser is a precision tool and should be handled carefully. ***If a tool is dropped or struck by another tool, it should be examined immediately and replaced if damaged.*** Special attention should be given to the condition of the guard. Attempts to straighten a bent guard in the field may distort the gauging slot. The guard is available as a replacement part and a new guard should be installed if there is any doubt about the accuracy of the gauging slot (3.06).

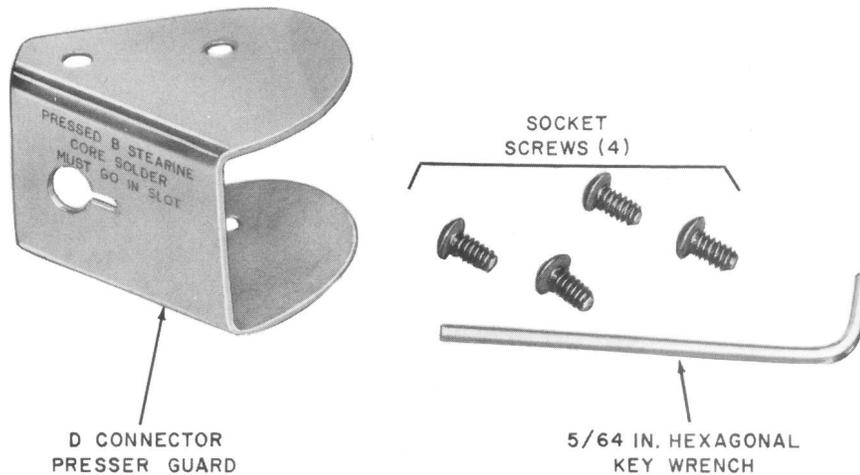


Fig. 3—D Connector Presser Guards

3.06 The guard for the D connector presser is shown in Fig. 3. The guard is secured with four socket-head screws, two on each side of the presser. Using a 5/64-inch hexagonal key, remove the four screws and replace the old guard with the replacement. ***These four screws are the only screws on the presser that should ever be turned.***

TESTS

3.07 The presser should be tested daily as follows:

(1) ***Ratchet-pawl operation.*** Open and close the tool several times. On the closing stroke, observe that the movable handle contacts and slightly depresses the U-shaped return spring. At this position of the movable handle, the pawl should return to the neutral position and the handle to the full open position without assistance.

(2) ***Correct adjustment.*** Insert a 3-inch length of B stearine core solder between the dies and squeeze the handles until the pawl returns to the neutral position. Place the thinnest portion of the pressed solder in the gauging slot in the guard. Using a new piece of solder each time, repeat this test several times. ***If the solder does not fit into the slot, the presser should be returned for adjustment in accordance with local procedure.***

Note: When pressing certain combinations of conductors, such as two 19-gauge and one 20-gauge, very high forces are developed which may cause more rapid wear of the tool. Therefore, when pressing these combinations, it is recommended that the presser be gauged more frequently.

(3) ***Defective pressers should be returned for repair in accordance with local routine.***

4. B PRESSER CASE

4.01 The B presser case (Fig. 4) provides dust and mechanical protection for the D connector presser. The presser case is made of leather and is equipped with a belt loop.

4.02 The B presser case can be used either as a carrying holster or for temporary storage between work operations.

5. REPLACEMENT PARTS

D CONNECTOR PRESSER

5.01 The following is available as replacement parts for the connector pressers:

Guard, For D Connector Presser

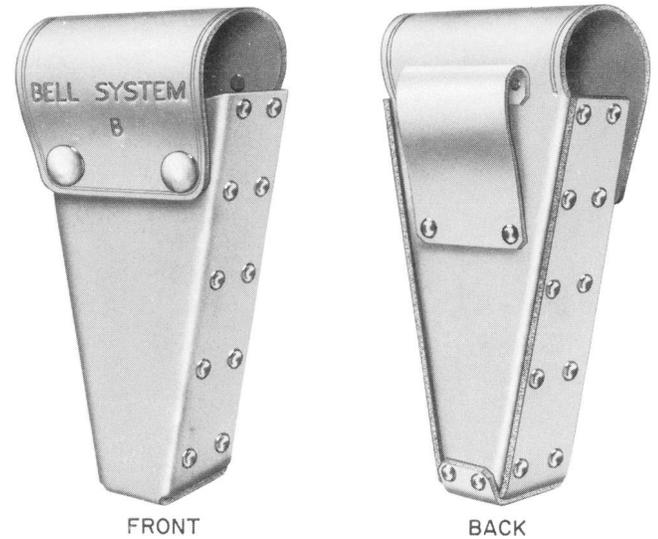


Fig. 4—B Presser Case