

## JACKS 444 TYPE PIECE-PART DATA AND REPLACEMENT PROCEDURES

### 1. GENERAL

**1.01** This section covers the information necessary for ordering parts to be used in the maintenance of 444-type jacks. It also covers approved procedures for replacing these parts.

**1.02** This section is reissued to revise the piece-part data for the bushings and washers.

**1.03** Part 2 of this section covers the piece-part numbers and the corresponding names of the parts which it is practicable to replace in the field in the maintenance of the above apparatus. No attempt should be made to replace parts not designated. Part 2 also contains explanatory figures showing the different parts. This information is called Piece-Part Data.

**1.04** Part 3 of this section covers the approved procedures for the replacement of the parts listed under Part 2. This information is called Replacement Procedures.

### 2. PIECE-PART DATA

**2.01** The figures included in this part show the various parts in their proper relation to other parts of the apparatus. The piece-part numbers of the various parts are given together with the names of the parts as listed by the Western Electric Merchandise Department. Where these names differ from those in general use in the field, the latter names, in some cases, are shown in parentheses.

**2.02** When ordering parts for replacement purposes, give both the number and the name of the part. For example, P-456232 Terminal or D-159523 Cover. Do not refer to the section number or to any information shown in parentheses following the part number.

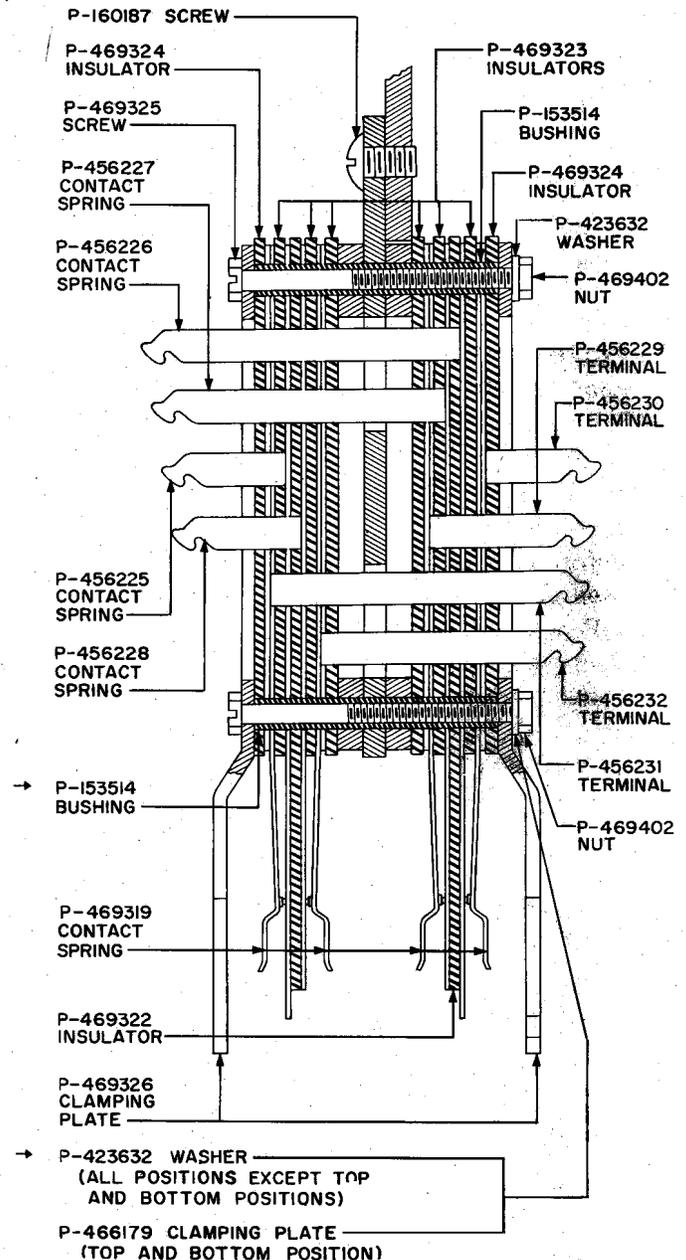


Fig. 1 - Cross-Section of 444-Type Jacks

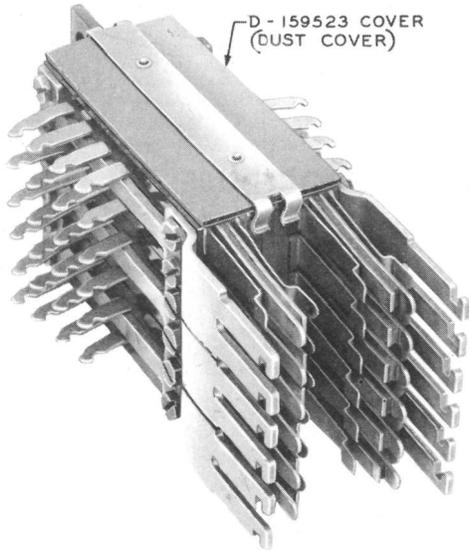


Fig. 2 - Cover Mounted on 444-Type Jack

Information enclosed in parentheses is not ordering information. This information may be references to notes, parts referred to in other portions of the section and not con-

sidered replaceable, or part names in general use in the field if these names differ from those assigned by the manufacturer.

### 3. REPLACEMENT PROCEDURES

#### 3.01 List of Tools

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
32 (2 required)	1/4-Inch Hex. Single-End Socket Wrench
—	Sharp Knife

3.02 Before making any of the replacements covered herein, remove the leads connected to the two horizontal rows of terminals on which the replacements are to be made in accordance with approved procedures. Remove excess solder from the terminals in order to facilitate the removal of the parts. After making the necessary replacements, connect the leads to the proper terminals.

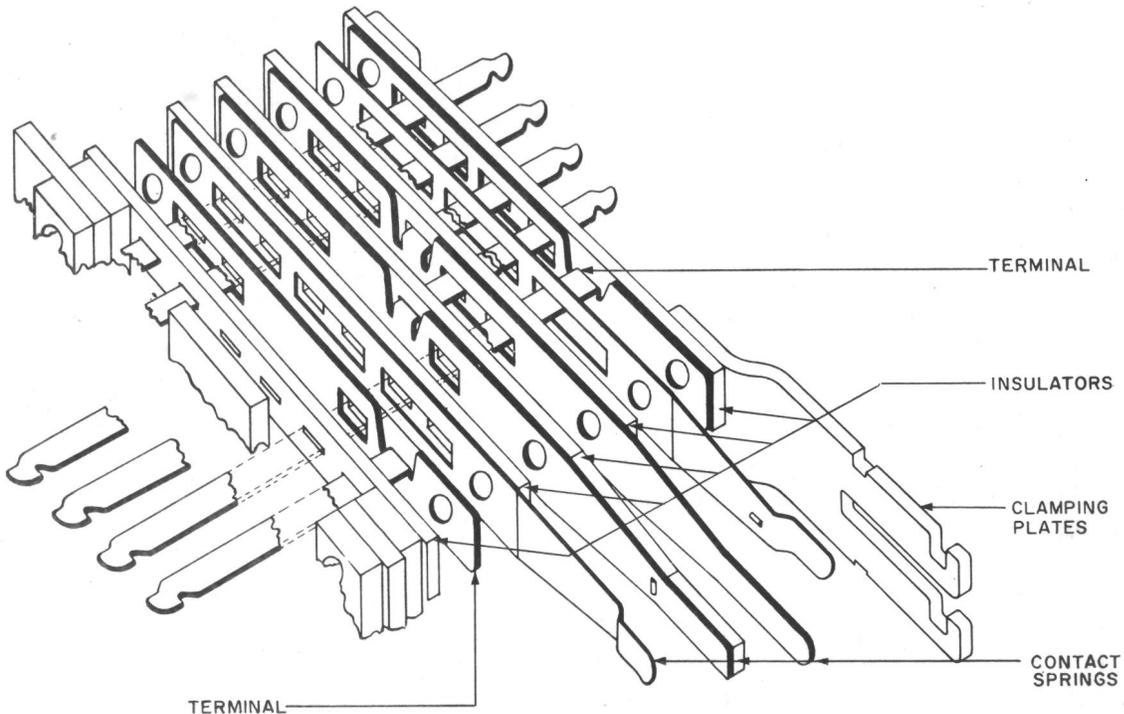


Fig. 3 - Partial Assembly of 444-Type Jack (viewed from bottom)

**3.03** After making any replacement of parts on a 444-type jack, the two horizontal rows of terminals on which the replacements were made shall meet the readjust and contact alignment requirements involved as specified in Section 032-354-701. After making any necessary readjustments, connect the leads to the proper terminals.

**3.04** No replacement procedures are specified for screws and other small parts where the replacement consists of a simple operation.

**3.05 Clamping Plate:** Remove the four clamping plate mounting nuts with the two 32 wrenches applying one wrench to the head of a clamping screw and the other wrench to the associated mounting nut. Remove the lockwashers or small clamping plate if furnished. If the clamping plate under the mounting nuts is to be replaced, remove it and substitute the new part. Remount the lockwashers, clamping plate between jacks (if furnished), and mounting nuts. Tighten the nuts securely taking care not to tighten them too tight or the mounting screw may be sheared. If the clamping plate under the heads of the mounting screws is to be replaced, remove the clamping plate under the mounting nuts and the mounting screws. Remove the clamping plate and substitute the new plate. Insert the mounting screws and remount the other clamping plate. Remount and tighten the lockwashers and nuts that were removed as described above.

**3.06 Insulators, Terminals, and Contact Springs:** To replace an insulator or spring in a horizontal row of terminals, remove the two clamping plates as covered in 3.05. Insert the mounting screws through the bushings in the horizontal row of terminals on which the replacement is not to be made. Mount the lockwashers and mounting nuts loosely on the mounting screws. This will prevent the associated assembly from becoming loose while the replacement is being made on the other pile-up.

**3.07** In making the following replacements, completely disassemble the pile-up and replace the bushing. This is necessary since the bushings may have been distorted during assembly of the parts under pressure in the shop and in disassembling the parts it may be necessary to mutilate the bushing.

**3.08** Remove the insulators and springs from the bushings, tagging the parts to facilitate reassembly. Take care not to damage the insulators. Remove the bushings from the mounting plate and substitute new ones. Use bushings 1-3/8 inch long, cutting them off to this length, if necessary, with a sharp knife. Remount the insulators and springs in the reverse order from which they were removed, substituting new parts for defective parts wherever necessary. Remount the clamping plates, mounting screws, lockwashers, and mounting nuts as covered in 3.05.