

DRY-REED-TYPE RELAY
302-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 302-type relays. It also covers approved procedures for replacing these parts.

1.02 This section is reissued to:

- Advise that the 302A relay has been Manufacture Discontinued.
- Advise that the P-12B803 relay unit has been Manufacture Discontinued.
- Include the 302D relay which replaces the 302A relay and add the 302E relay.
- Cover the use of the P-13B780 relay unit as a direct replacement for the P-12B803 relay unit.
- Revise Fig. 1.

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 302-type relays (Fig. 1). No attempt should be made to replace parts

not designated. Part 2 also contains an explanatory figure 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 parts covered in Part 2. This information is called Replacement Procedures.

2. PIECE-PART DATA

2.01 The figure included in this part shows the piece-part numbers of the various parts together with their corresponding names.

2.02 When ordering parts for replacement purposes, give both the piece-part number and the name of the part, for example, "P-13B780 Coil and Switch Assembly." Do not refer to the section number or to any information shown in parentheses following the piece-part number.

2.03 Information enclosed by parentheses () is not ordering information. This information may be references to notes, parts referred to in other portions of the section and not considered replaceable, or part names in general use in the field if these names differ from those assigned by the manufacturer.

SECTION 040-276-801

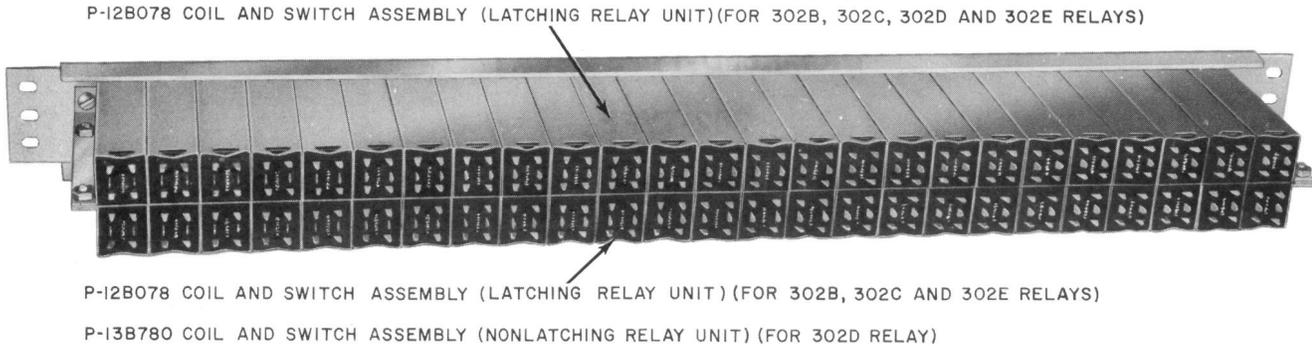


Fig. 1—302-Type Relay (302B Relay Shown)

3. REPLACEMENT PROCEDURES

3.01 List of Tools

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
—	P Long-nose Pliers (or the replaced long-nose pliers)

3.02 No replacement procedures are specified for screws or other parts where the procedure consists of a simple operation.

3.03 Relay Units

(1) Tag and disconnect the leads to the relay unit wiring terminals. Using the P long-nose

pliers, bend the narrow section at the front of the housing to clear the front terminal block of the relay unit. Withdraw the relay unit from the housing.

(2) Mount the new relay unit in the housing and, using the pliers, bend the narrow section at the front of the housing so that it engages the front terminal block of the relay unit. Reconnect the leads to the relay unit wiring terminals.

(3) When replacing a P-12B803 relay unit with a P-13B780 relay unit, it will be necessary to strap together terminals 5 and 8 on the new unit. Connect wires labeled 1 and 6 to terminals 1 and 4 respectively. Connect wires labeled 2 and 3 to terminals 2 and 6 respectively. Connect wires labeled 4 and 5 to terminals 3 and 7.