

## AMMETER RELAYS

### PIECE-PART AND REPLACEMENT PROCEDURES

#### 1. GENERAL

**1.01** This section covers the information necessary for ordering parts to be used in the maintenance of KS-5342, KS-5348, KS-5561, KS-5662, KS-5787, KS-15570, KS-15573, KS-15796, KS-15802, and KS-15803 ammeter relays.

**1.02** Part 2 (PIECE-PART DATA) of this section covers the piece-part numbers and the corresponding names of the parts that are practical to replace in the field in the maintenance of these relays. No attempt should be made to replace parts not designated.

**1.03** Part 3 (REPLACEMENT PROCEDURE) of this section covers the approved procedures for the replacement of the parts covered in Part 2.

#### 2. PIECE-PART DATA

**2.01** Fig. 1 through 3, included in this part, show three ammeter relays that are typical. The piece-part numbers and corresponding names of the replaceable parts for specific ammeter relays are shown in the figures and in Table A.

**2.02** When ordering parts for replacement purposes, specify the number and name of the part and the KS number of the ammeter relay on which the part will be used. Do not refer to the BSP number. All part numbers and part names covered in this section were assigned by the manufacturer, and parts are available from Bethlehem Instrument Company Incorporated, Bethlehem, Penna. 18018.

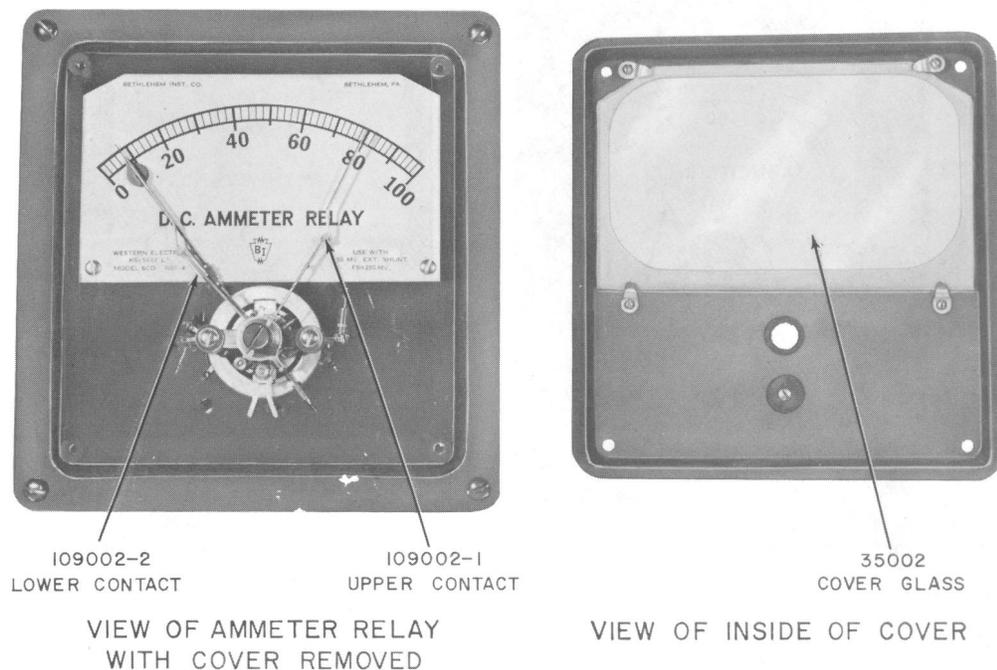


Fig. 1—KS-5662 Ammeter Relay

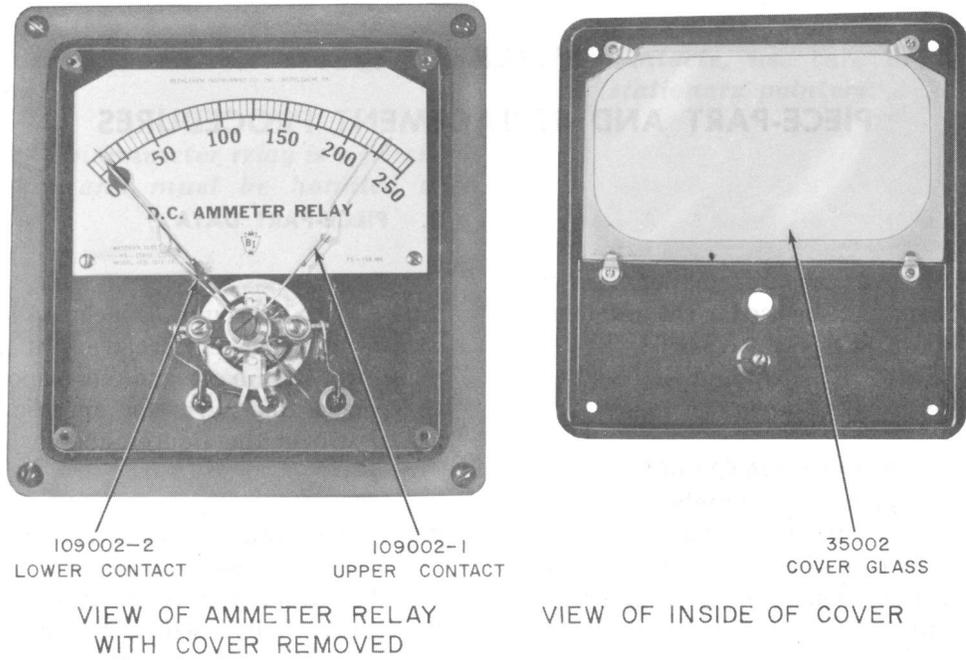


Fig. 2—KS-15802 Ammeter Relay

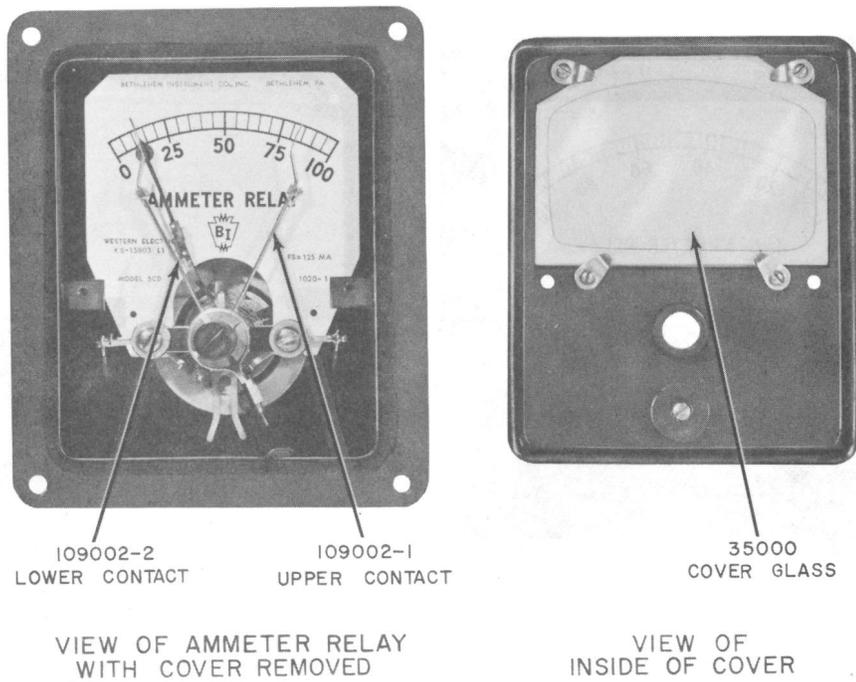


Fig. 3—KS-15803 Ammeter Relay

**TABLE A**

**REPLACEABLE PARTS FOR AMMETER RELAYS**

AMMETER RELAY	PART NAME AND NUMBER		
	UPPER CONTACT	LOWER CONTACT	COVER GLASS
KS-5342	109002-1	109002-2	12989
KS-5348	109002-1	109002-2	12989
KS-5561	109002-1	109002-2	35000
KS-5662	109002-1	109002-2	35002
KS-5787 L1	109002-1	109002-2	35002
KS-5787 L2	109002-1	109002-2	35002
KS-15570	109002-1	109002-2	35002
KS-15573	109002-1	109002-2	35002
KS-15796	109002-1	109002-2	35000
KS-15802	109002-1	109002-2	35002
KS-15803	109002-1*	109002-2*	35000

**Note:** Specify "gold plated" when ordering contacts for use on the KS-15803 Ammeter Relay.

**3. REPLACEMENT PROCEDURES**

**3.01 List of Tools**

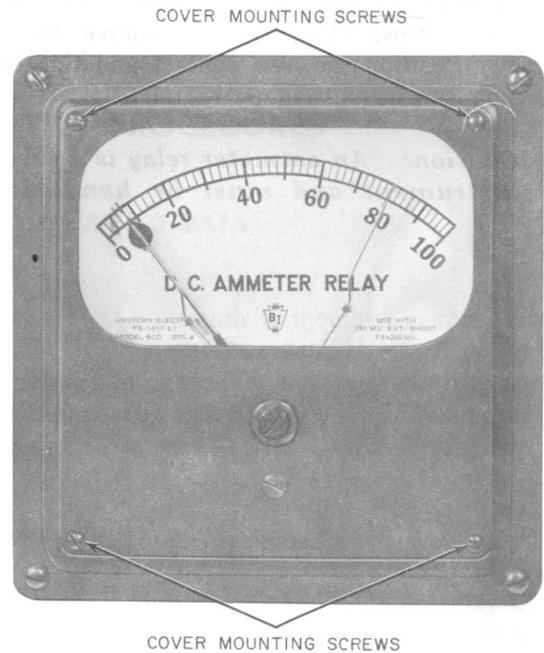
CODE OR SPEC NO.	DESCRIPTION
R-1005	Screwdriver, Jewelers
—	3-Inch C Screwdriver

**3.02** To facilitate the replacement of ammeter relay contacts, disconnect and dismount the ammeter relay.

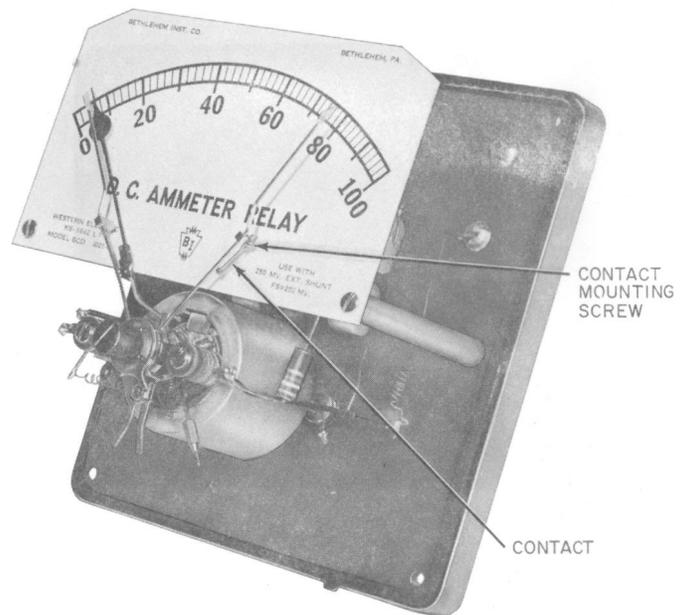
**3.03** After replacing ammeter relay contacts, check the ammeter relay and make required adjustments in accordance with requirements and procedures specified in Section 040-632-701.

**REPLACEMENT OF COVER GLASS**

**3.04** Remove the front cover by removing the cover mounting screws (Fig. 4). Loosen four mounting screws on inside of front cover to remove the glass. Insert new glass, position the lugs over the edges of the glass, and tighten the screws.



**Fig. 4—Typical Ammeter Relay**



**Fig. 5—Ammeter Relay Removed from Case**

**REPLACEMENT OF CONTACTS**

**3.05** Remove meter and movement from the case by removing four screws from the corners

**SECTION 040-632-801**

on the back of the case. Loosen the contact mounting screws (Fig. 5) and remove the worn contact. Position the new contact and tighten the mounting screw.

***Caution: An ammeter relay is a precision instrument and must be handled with***

***extreme care to avoid damaging the meter movement. When removing and replacing contacts, use care to avoid bending the stationary pointers.***