

REPLACEMENT CONTACT SCREWS
 RELAYS HAVING HEAVY CONTACT EROSION

1. GENERAL

1.01 This section covers the cases where silver contact screws are recommended for use on certain relays in circuits where heavy contact erosion occurs due to organic vapor activation.

1.02 In some cases, mating palladium contacts having contact protection show heavy erosion on the negatively poled contact with very little erosion or build-up on the positively poled contact. This type of contact erosion is a result of organic vapor activation. In such cases, the P-484762 silver contact screw is recommended for the negative contact with a mating palladium contact. This combination of contacts is referred to as silver negative (Ag-) and palladium positive (Pd+) and is restricted to the cases covered in this section. Where there is only slight contact activation from organic vapors, very little if any improvement can be expected from the use of Ag- Pd+ contacts. Furthermore, if the silver contact is used as the positive instead of the negative contact, the contact life may be reduced instead of increased.

1.03 Section A507.059 covers the procedures for replacing contact screws on 280-type relays and Section A507.023 covers the procedures for replacing contact screws on 206-, 227-, 231-, and 239-type relays.

2. P-484762 (SILVER) CONTACT SCREW

2.01 The following table covers the cases where the P-484762 silver contact screw is recommended for use as the negatively poled contact with a mating palladium (positive) contact. The silver

contact screw is identified by the letter S stamped on the head of the screw. These cases are covered with reference to the switching systems in which they occur.

Note: Since all contact screws in the circuits covered in this section are negatively poled, no check need be made for polarity.

Table A - Polar Relays

<u>Circuit No.</u>	<u>Title</u>	<u>Relay Desig</u>	<u>Contact</u>
SD-25550-01	No. 5 Crossbar System - Marker	TCK	Left
		CHT	Left
		LXP	Left
		DCT	Left&Right
		HMT	Left
SD-68388-01	No. 4A or 4M Toll Switching System - Marker	GT	Left
		B	Left&Right
SD-68344-01	No. A4A Toll Switching System - Marker	B	Left&Right
SD-68038-01	No. 4 Toll Switching System - Marker	B	Left&Right
SD-95738-01	Common Systems Traffic Usage Recorder	PG	Left&Right