

280-TYPE RELAYS REQUIREMENTS (CONDENSED SECTION FOR 040-267-701)

1. REQUIREMENTS (also see Section 020-012-711)

1.01 **Cover Clearance:** Cover shall not touch adjacent apparatus.

1.02 **Flexible Contact Spring Alignment:**

Springs shall bear against each other on at least one point. If point of contact is at front edges, gap at any point across front edges, max 0.002 inch. If point of contact is behind front edges, gap at any point across front edges, max 0.012 inch.

1.03 **Biasing Spring Position:** Fig. 1(A) —

Straight portion of the biasing spring shall rest approximately flat against the armature. Satisfactory if the top end rests against armature and clearance, if any, at bottom edge of armature is max 0.020 inch.

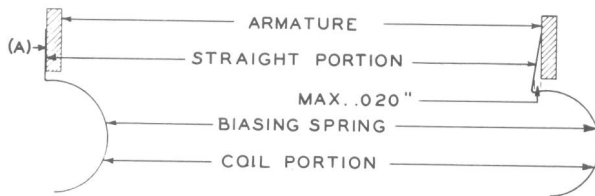


Fig. 1 — Allowable Variation in Biasing Spring Position

1.04 **Armature and Spool Clearance:** Armature shall clear inside of spool.

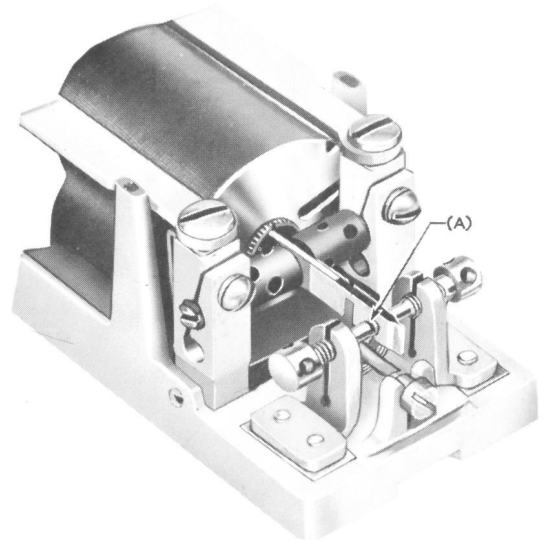


Fig. 2 — 280-Type Relay

1.05 **Contact Travel:** Fig. 2(A) — Min 0.004 inch, max 0.006 inch. Check travel on each contact screw. A difference indicates buildup on contact on side of armature having smaller travel. Remove buildup. 74D gauge.

1.06 **Electrical Requirements:** Meet requirements specified on circuit requirement table.

1.07 **Contact Make:** With 0.003-inch gauge between pole-piece screw and associated armature stop pin on side to which armature is operated and relay electrically operated on soak current, contacts shall make. 92P gauge.