

**4-TYPE FOOT SWITCHES
REQUIREMENTS
(CONDENSED SECTION FOR 030-760-701)**

1. REQUIREMENTS (Also See Section 020-012-711)

1.01 Key Button and Plunger Movement

- (a) Plunger rod moves freely in bearings and returns to normal with a snap.
- (b) *Nos. 4B and 4C*: Key button does not bind on outer brass plate or sleeve.

1.02 Contact Separation

- (a) *No. 4A*: .014" (Readj. .016").
- (b) *Nos. 4B and 4C*: .010" (Readj. .012").

1.03 Spring Clearance

- (a) *No. 4A*: Between contact spring and helical spring — .025" (Readj. .030").
- (b) *Nos. 4B and 4C*: Between springs designed never to make contact and between springs and frame — .014" (Readj. .016").

1.04 Contact Pressure: With the plunger fully depressed — 50 grams (Readj. 55 grams). 68B gauge.

1.05 Contact Follow: With plunger fully depressed — .008" (Readj. 0.10").

1.06 Flexible Contact Spring Position — *Nos. 4B and 4C*: Rest on stop spring, at least on end nearest contact when spring is unoperated.

1.07 Position of Plunger Springs with Relation to Hard Rubber Plunger — *Nos. 4B and 4C*: Rest against hard rubber plunger.

1.08 Plunger Spring Pressure — *Nos. 4B and 4C*: Difference in pressure between opposite plunger springs, with plunger operated — Max. 150 grams (Readj. Max. 140 grams). 70E gauge.

1.09 Plunger Operate Pressure

- (a) *No. 4A*: Max. 2050 grams. 70E gauge.
- (b) *Nos. 4B and 4C*: 625 grams, Max. 2050 grams, (Readj. 675 grams, Max. 2050 grams). 79B and 79E gauges.