15 TELETYPEWRITER KEYBOARD

REQUIREMENTS AND ADJUSTMENTS

CONTENTS PAGE

1. GENERAL

1.01 This section contains the requirements and adjusting procedures for the 15 teletypewriter keyboard. This section and the section covering the teletypewriter general requirements provide the necessary information for maintenance of the 15 teletypewriter keyboard.

1.02 This section is reissued to provide improved adjustments for the sending contacts.

1.03 For orientation range and distortion tolerance requirements, refer to the section covering teletypewriter station tests, orientation and distortion tests.

2. REQUIREMENTS AND ADJUSTMENTS

Note for Repeat Operation: Where it is desired on certain private-wire services to send a signal character repeatedly as long as the key is held depressed, the tripoff-pawl eccentric is removed and four TP41663 washers are clamped under the stop plate, two on each mounting screw, to prevent the tripoff pawl disengaging the intermediate pawl. (When not in use, these washers are normally stored under the heads of the screws which mount the TP7387 brace to the TP7382 front bracket.) In addition, a TP74291 bracket should be mounted under the stop-plate rear mounting screw, in place of the TP7002 washer. Adjust the bracket to prevent the tripoff pawl from slipping laterally out of engagement with the intermediate pawl, without introducing bind. When the keyboards are arranged for repeat key action, the requirement in 2.16 on the tripoff-pawl eccentric should be disregarded and the tripoff-pawl spring should be twisted one-half turn to make the pawl bear against the vertical bracket. (The adjustments given hereafter are for keyboards with nonrepeat action.)

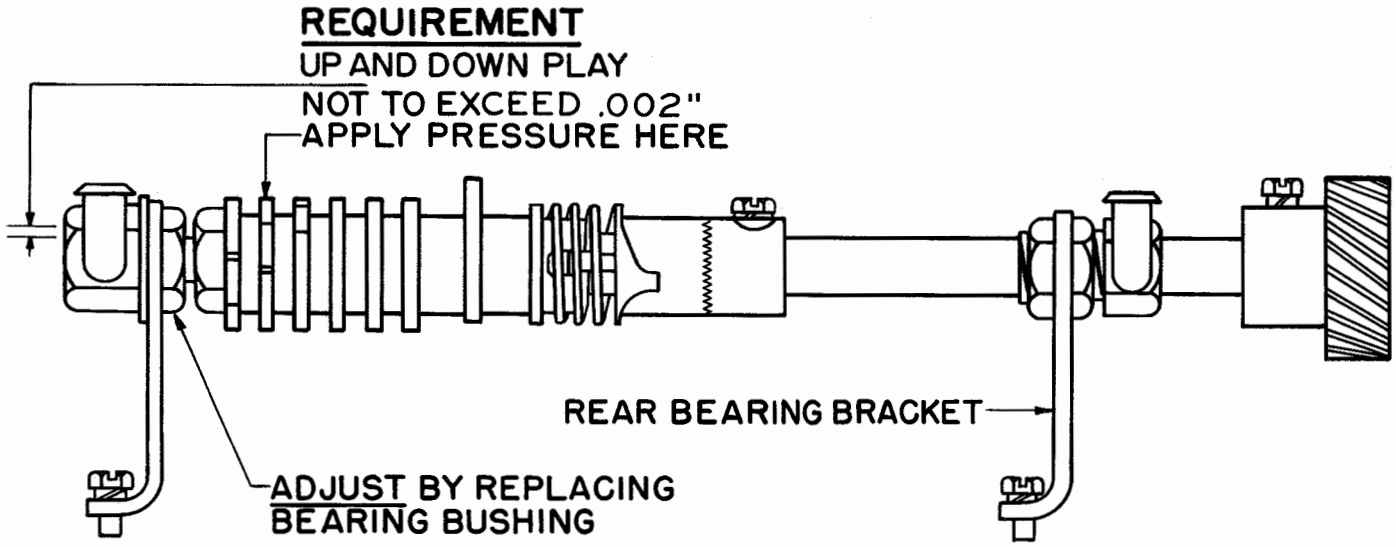
2.01 Shaft Mounting

Note: See 2.02 for illustration.

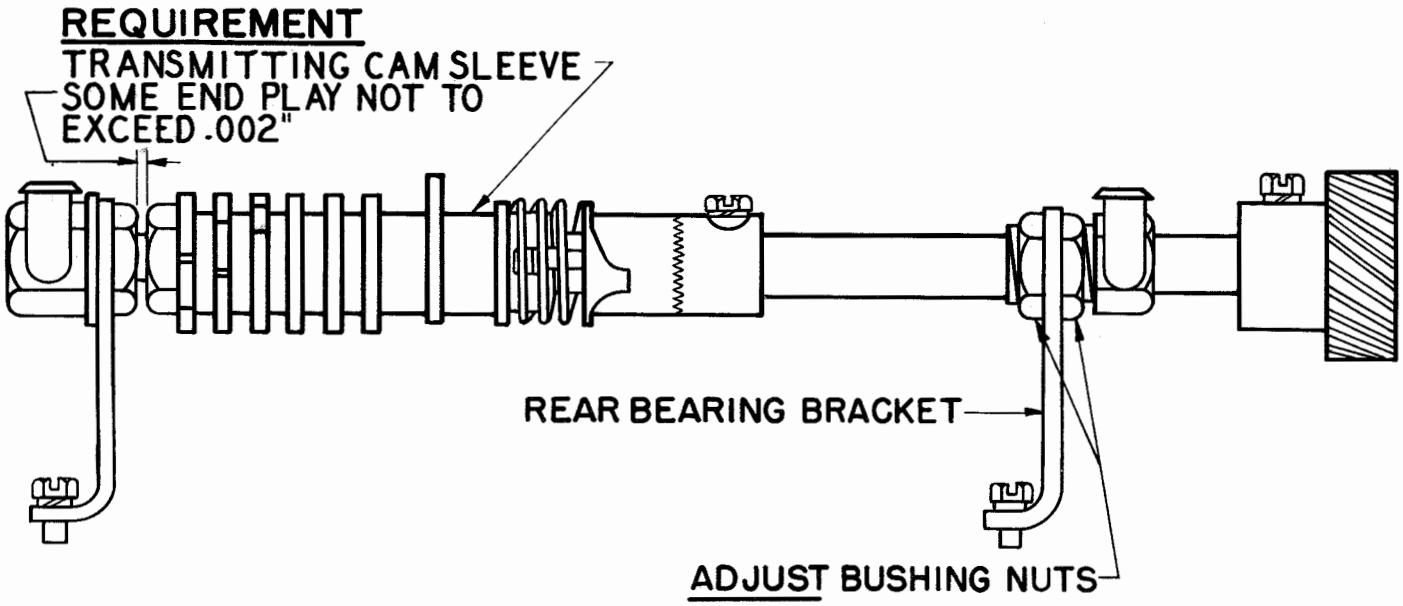
Requirement: Shaft should turn freely in its bearings without bind when the contact lever and lock loop are held away from the cam shaft and the throwout lever is held released.

Adjust: by shifting the rear bearing bracket.

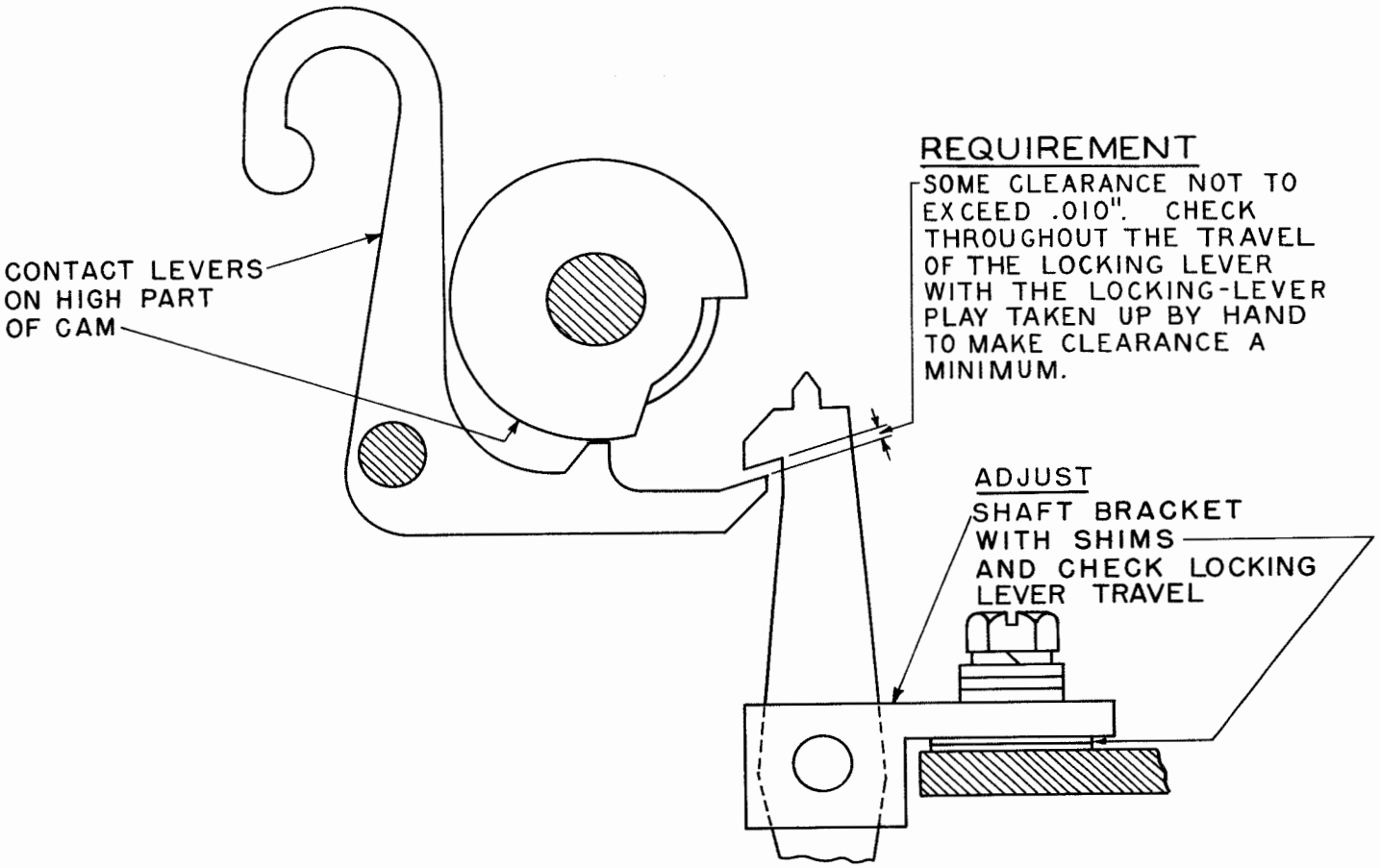
2.02 Shaft Front Bearing



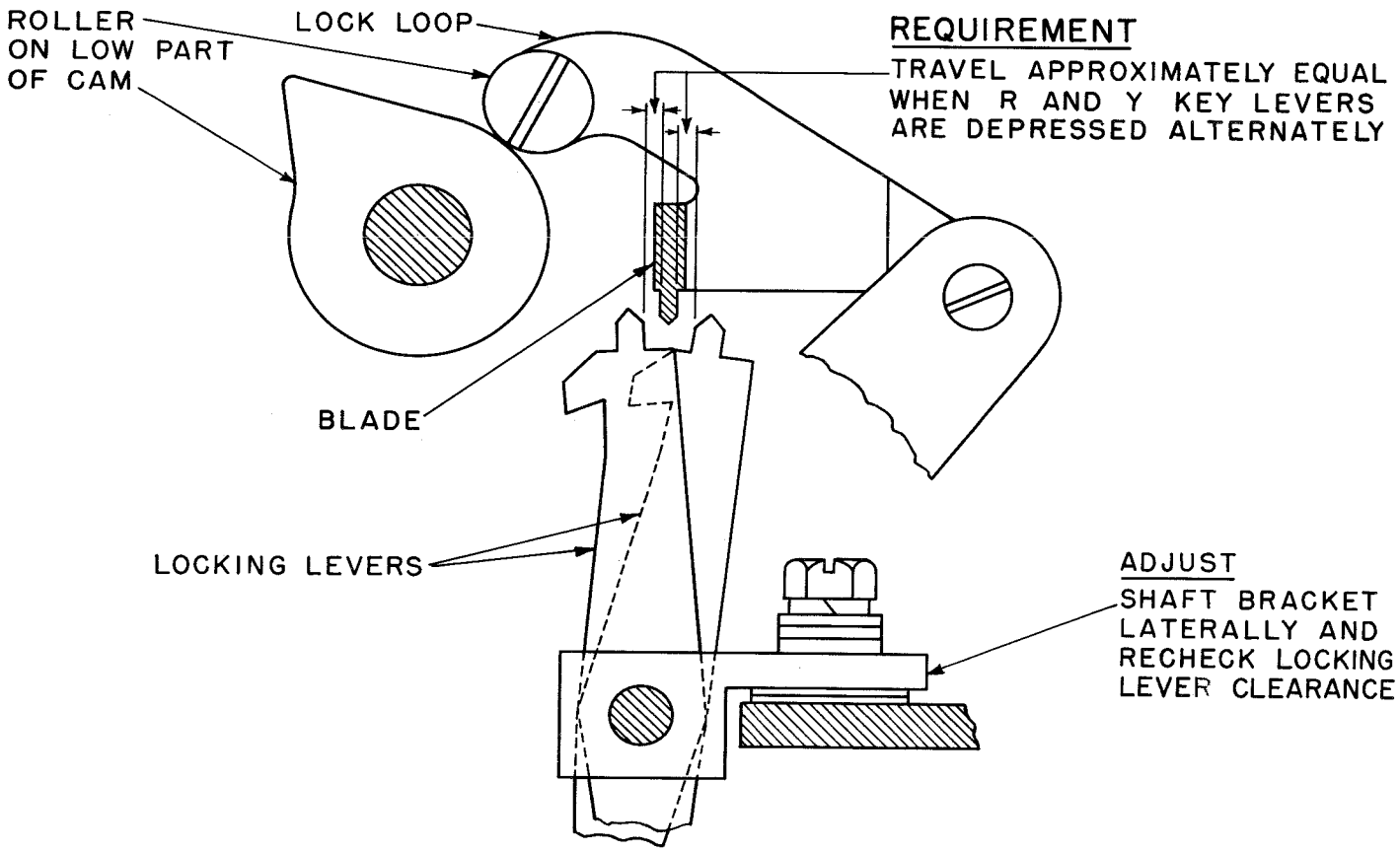
2.03 Transmitting Cam-sleeve Endplay



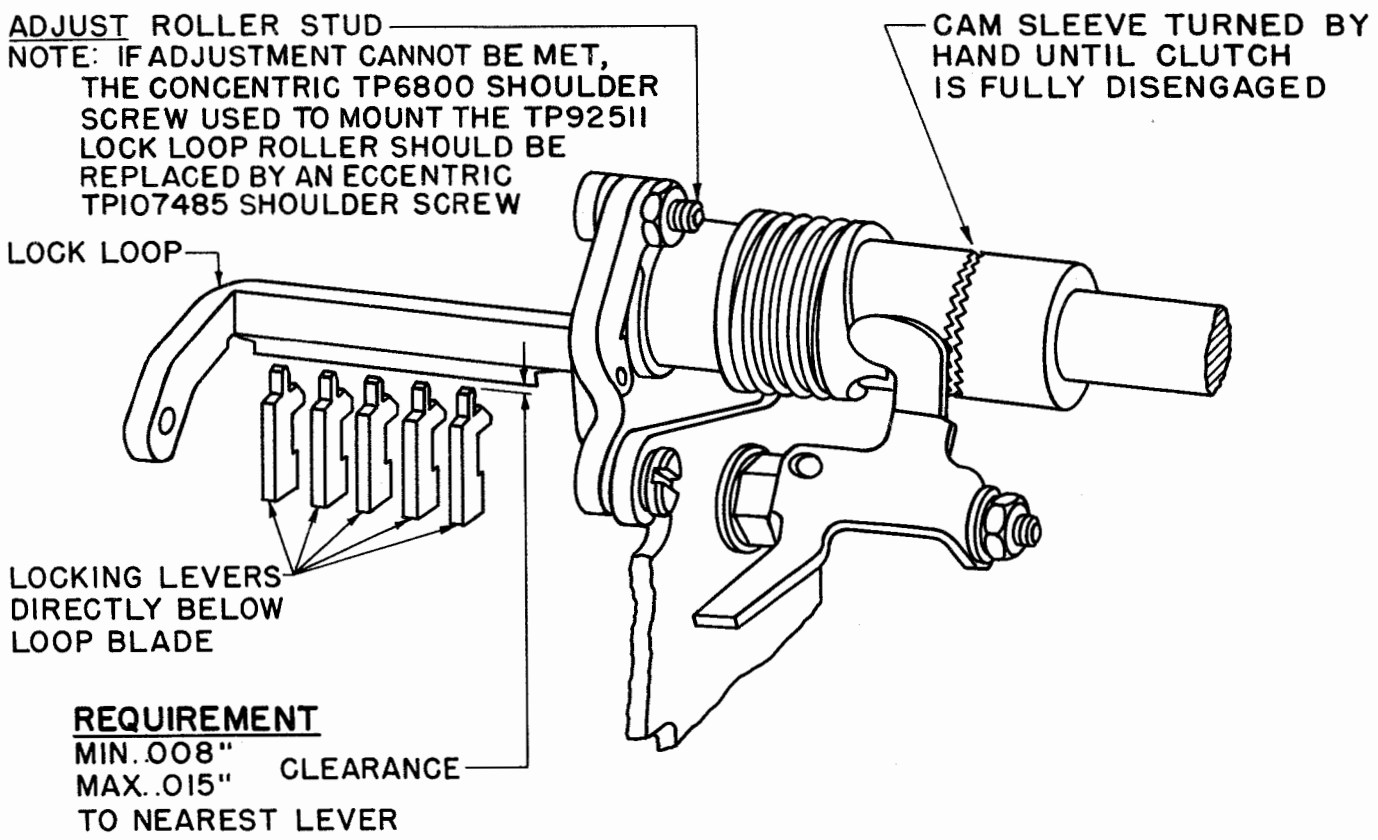
2.04 Locking-lever Clearance



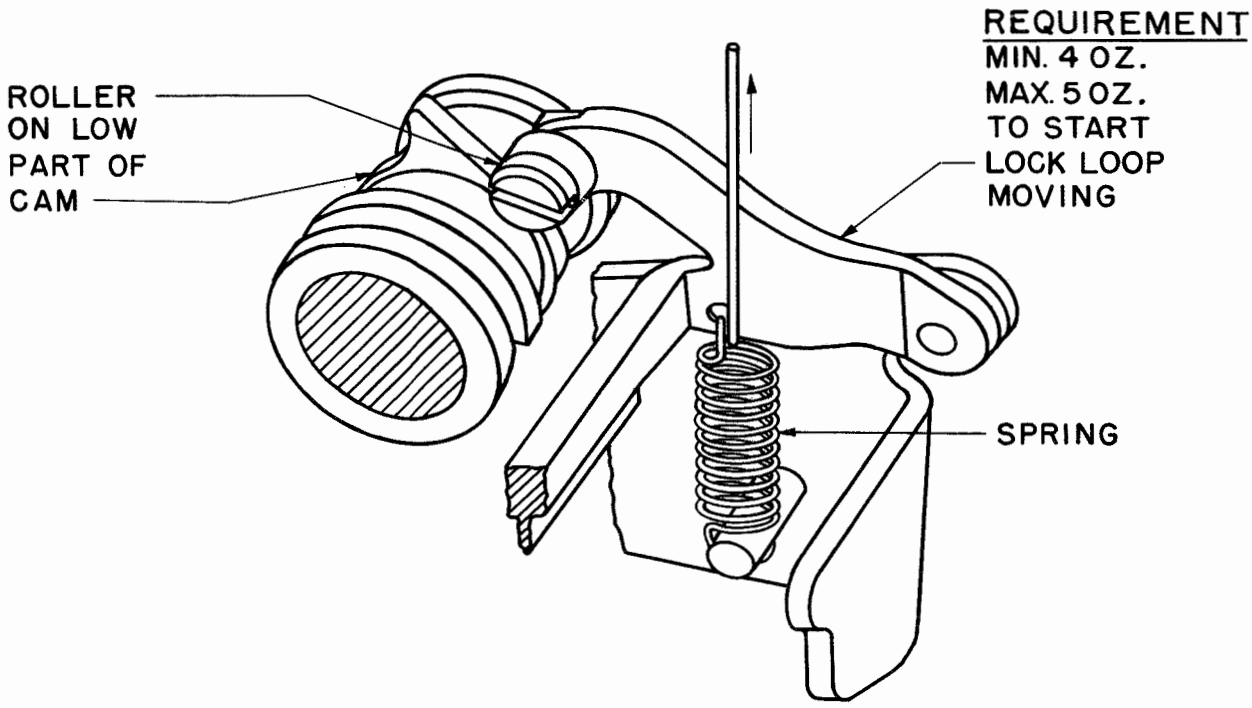
2.05 Locking-lever Travel



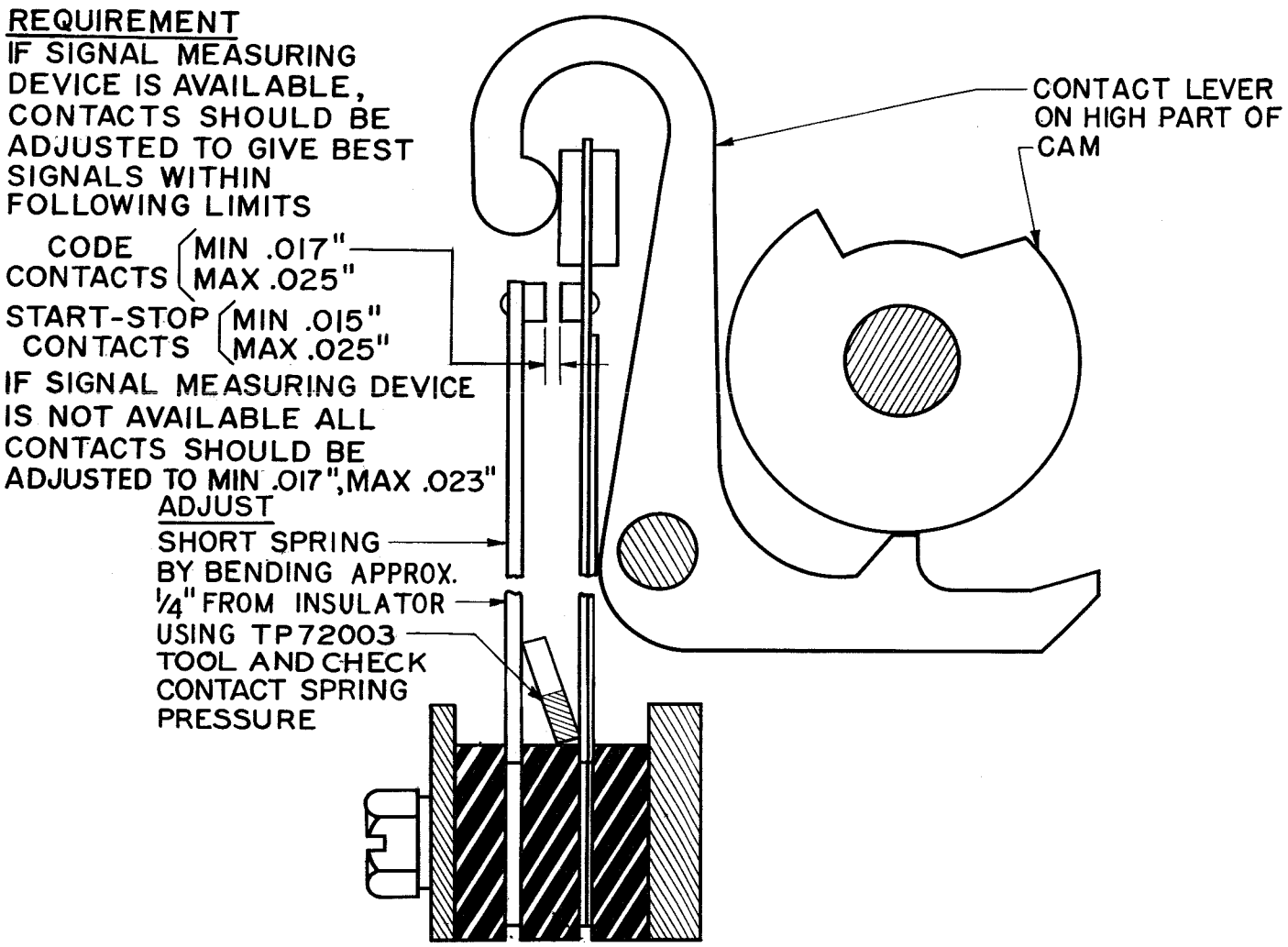
2.06 Lock-loop Roller



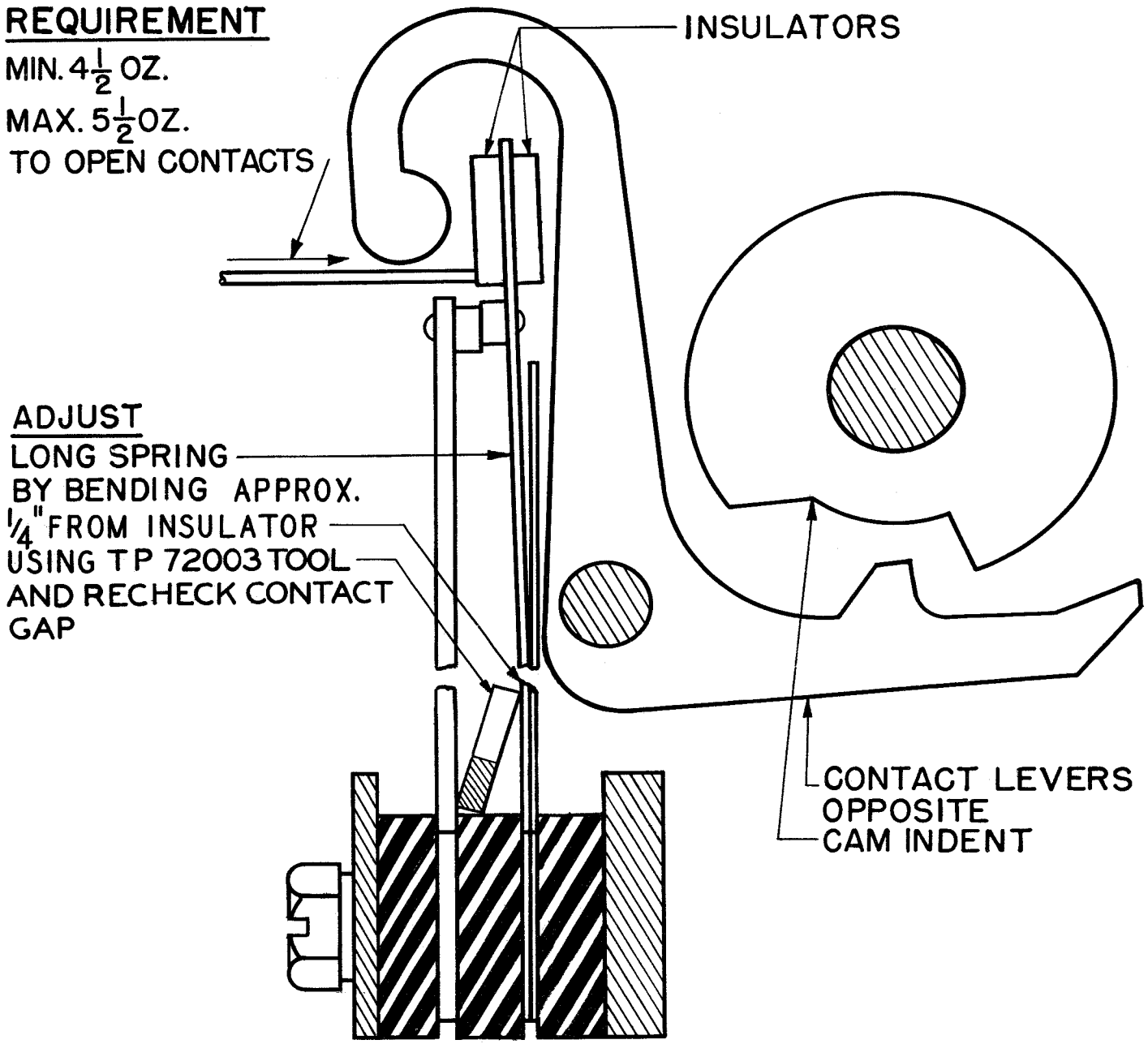
2.07 Lock-loop Spring



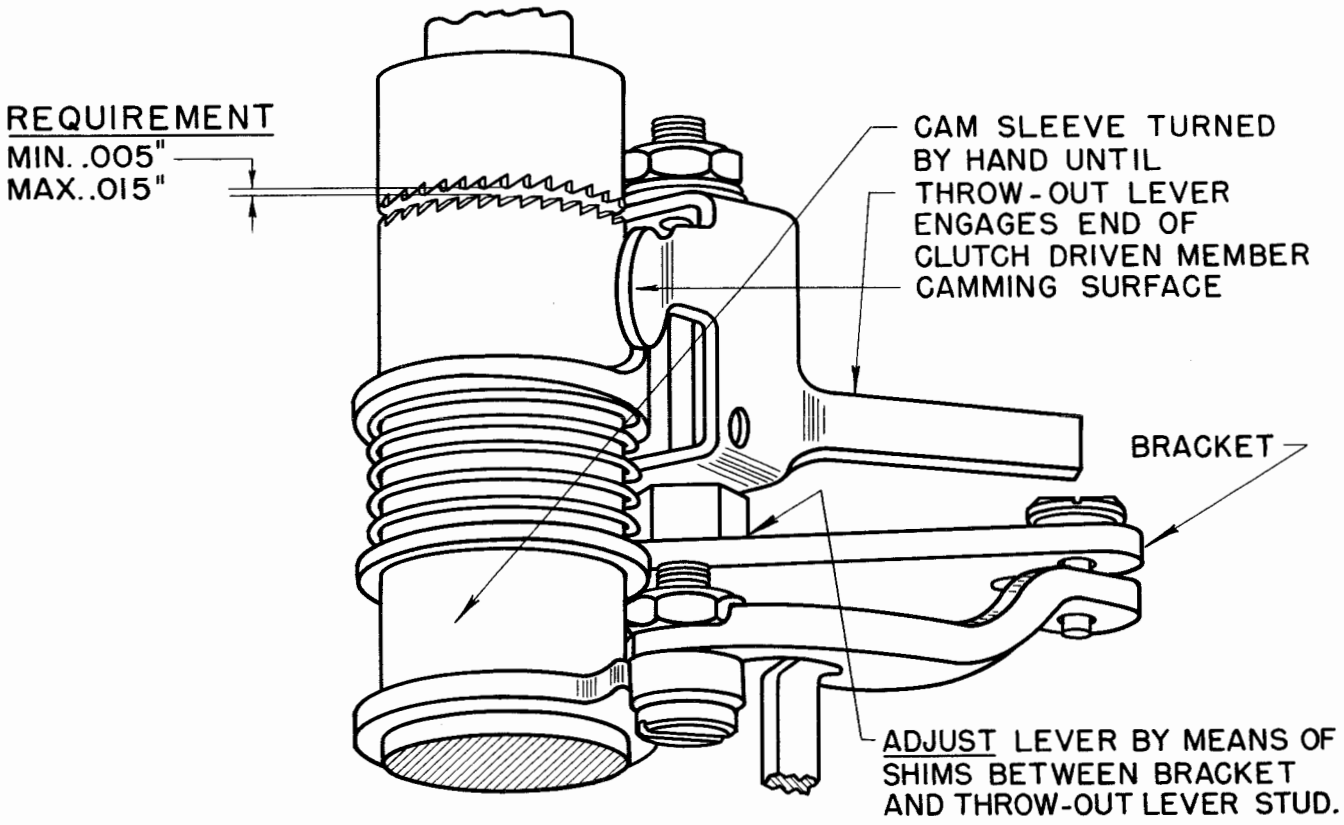
2.08 Sending Contact Gap



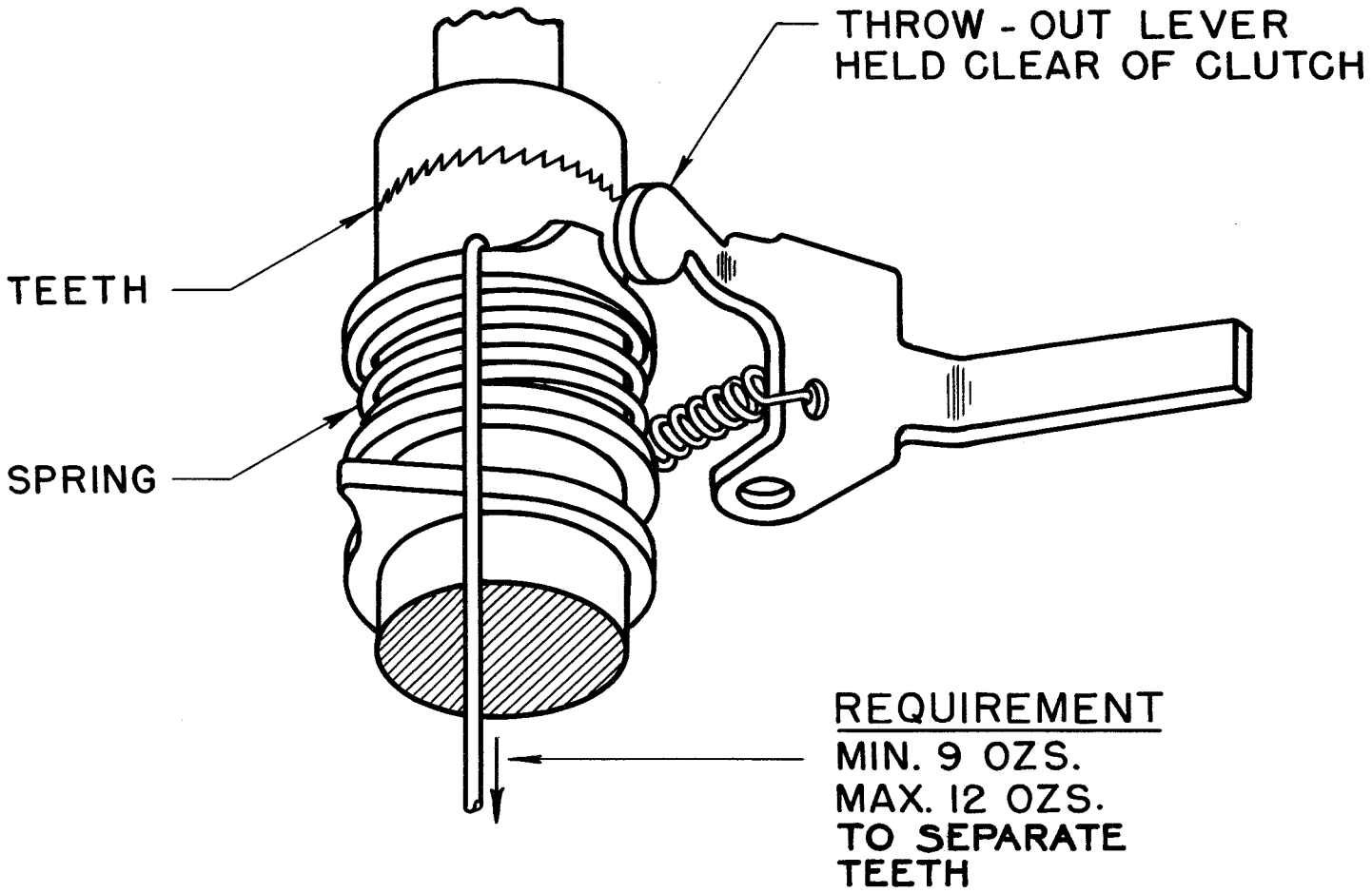
2.09 Sending Contact Pressure



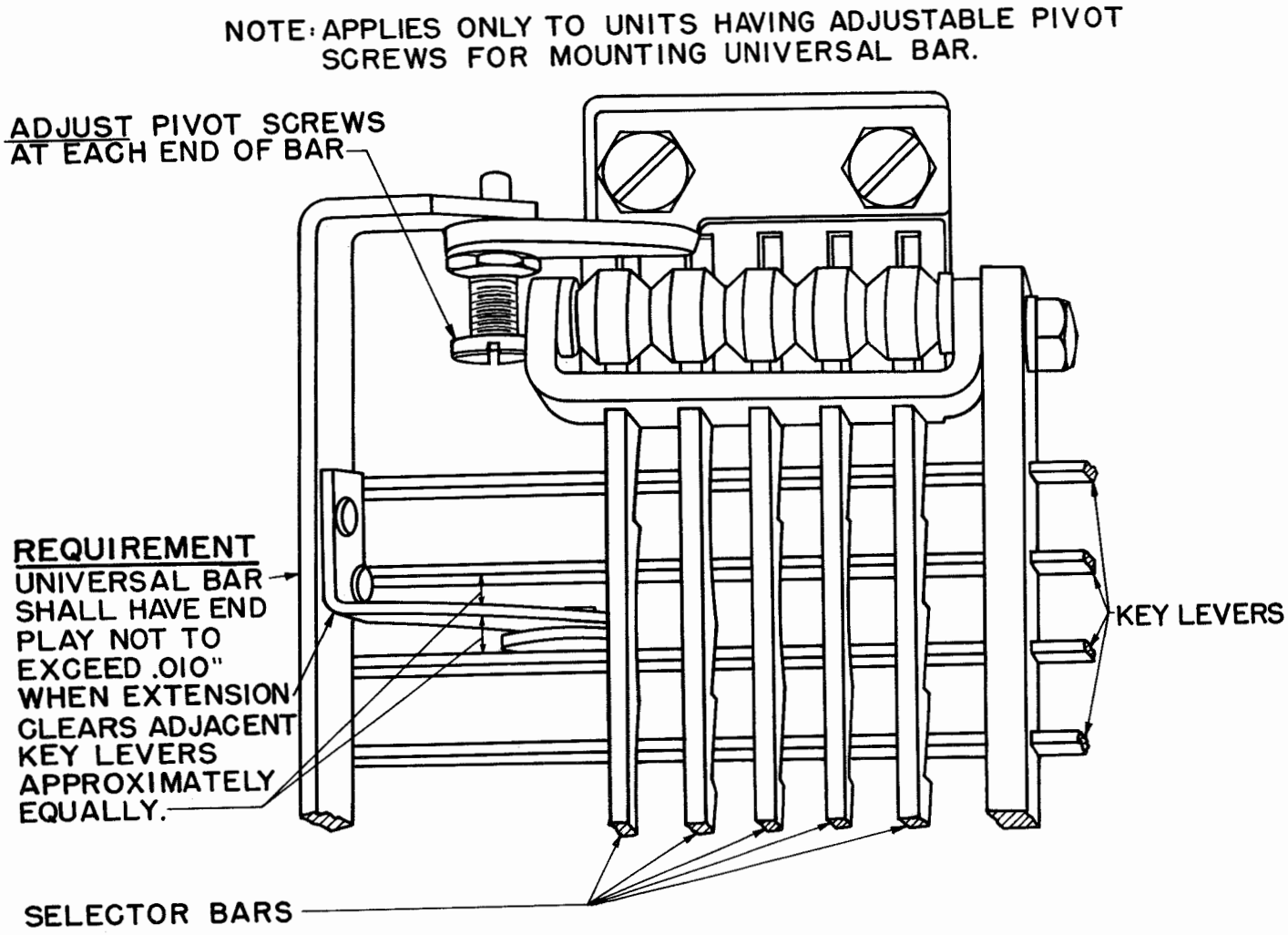
2. 10 Clutch Teeth



2.11 Clutch Spring

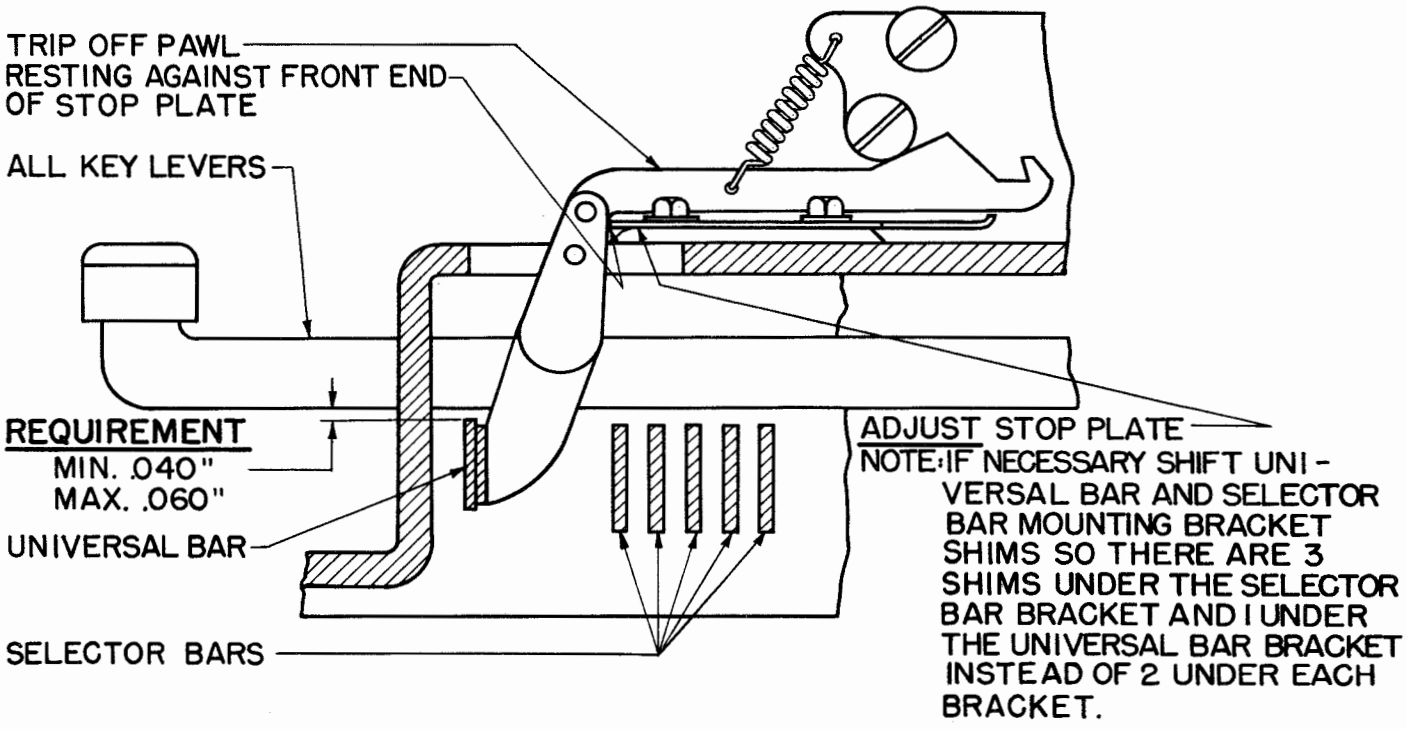


2.12 Universal Bar Extension

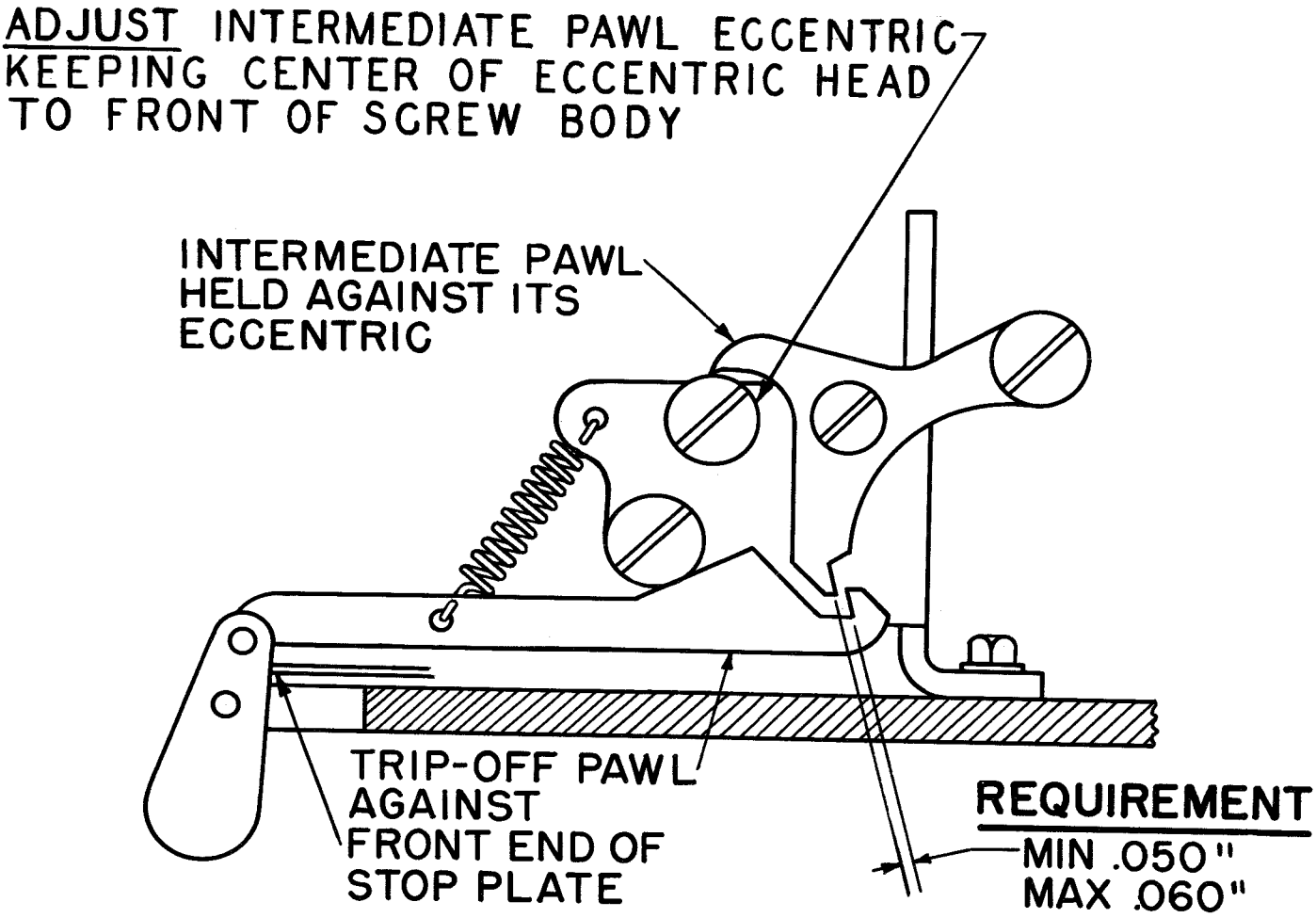


2.13 Universal Bar Clearance

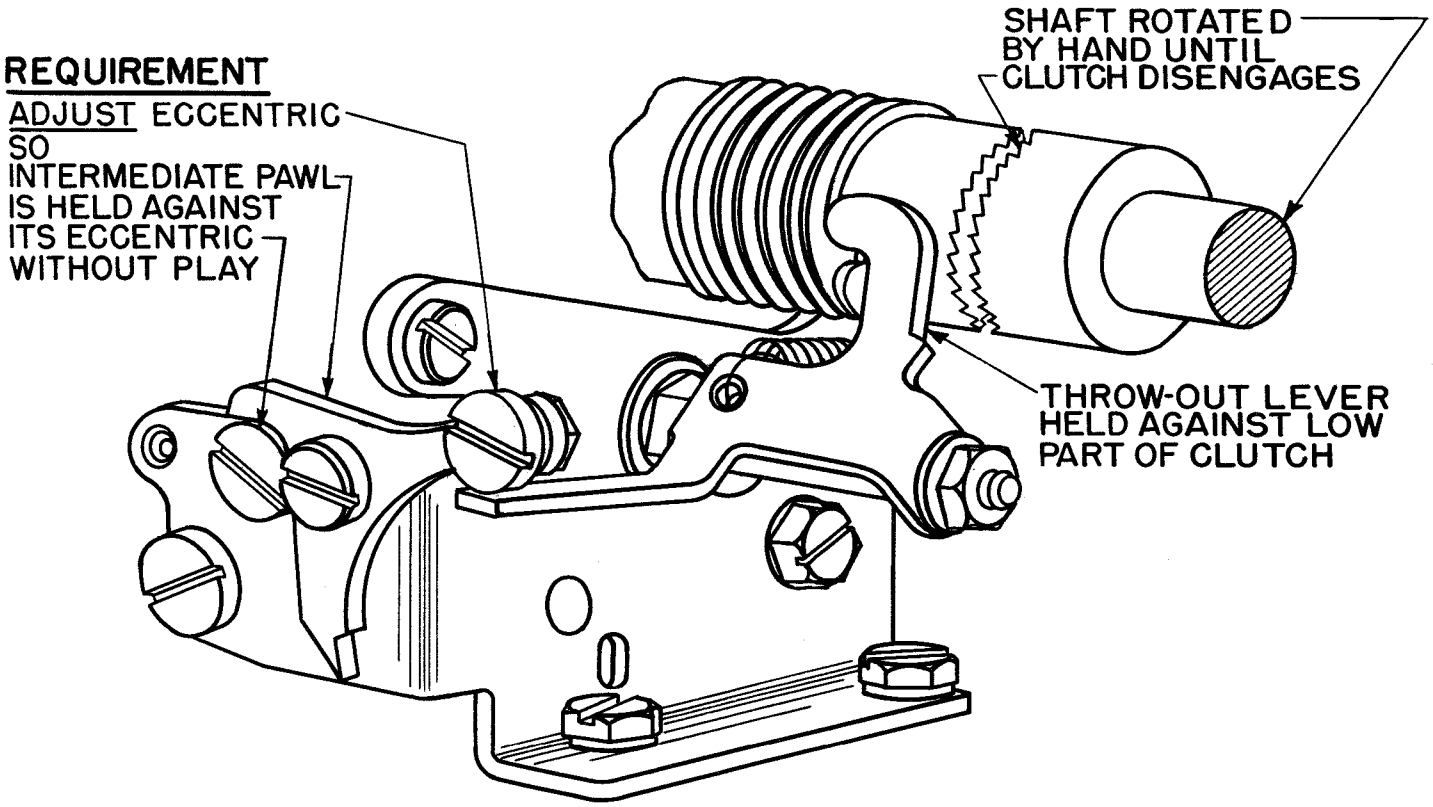
Note: The maximum clearance between the spacer key lever and the universal bar may be 0.070 inch.



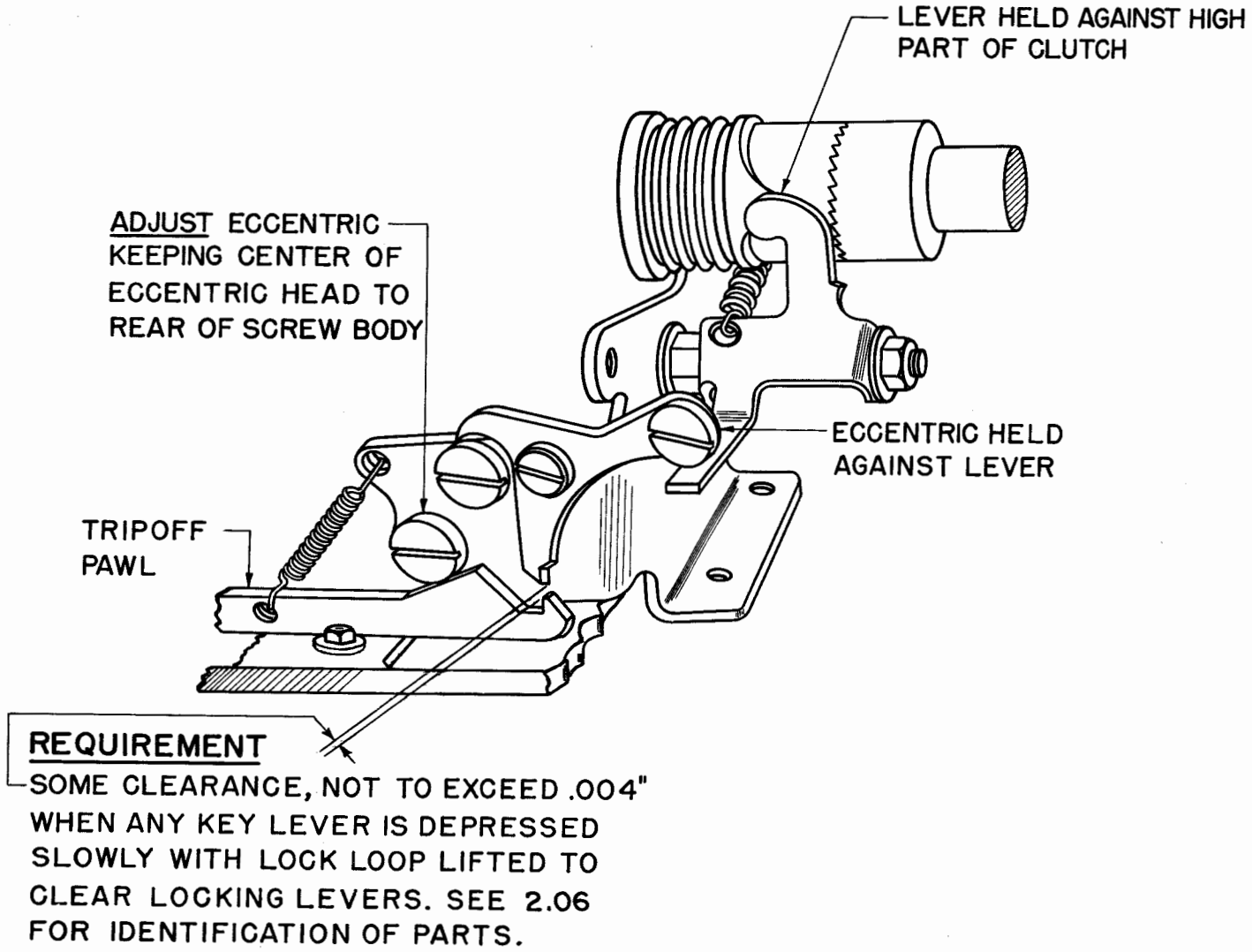
2.14 Intermediate Pawl



2.15 Throwout-lever Eccentric



2.16 Tripoff-pawl Eccentric

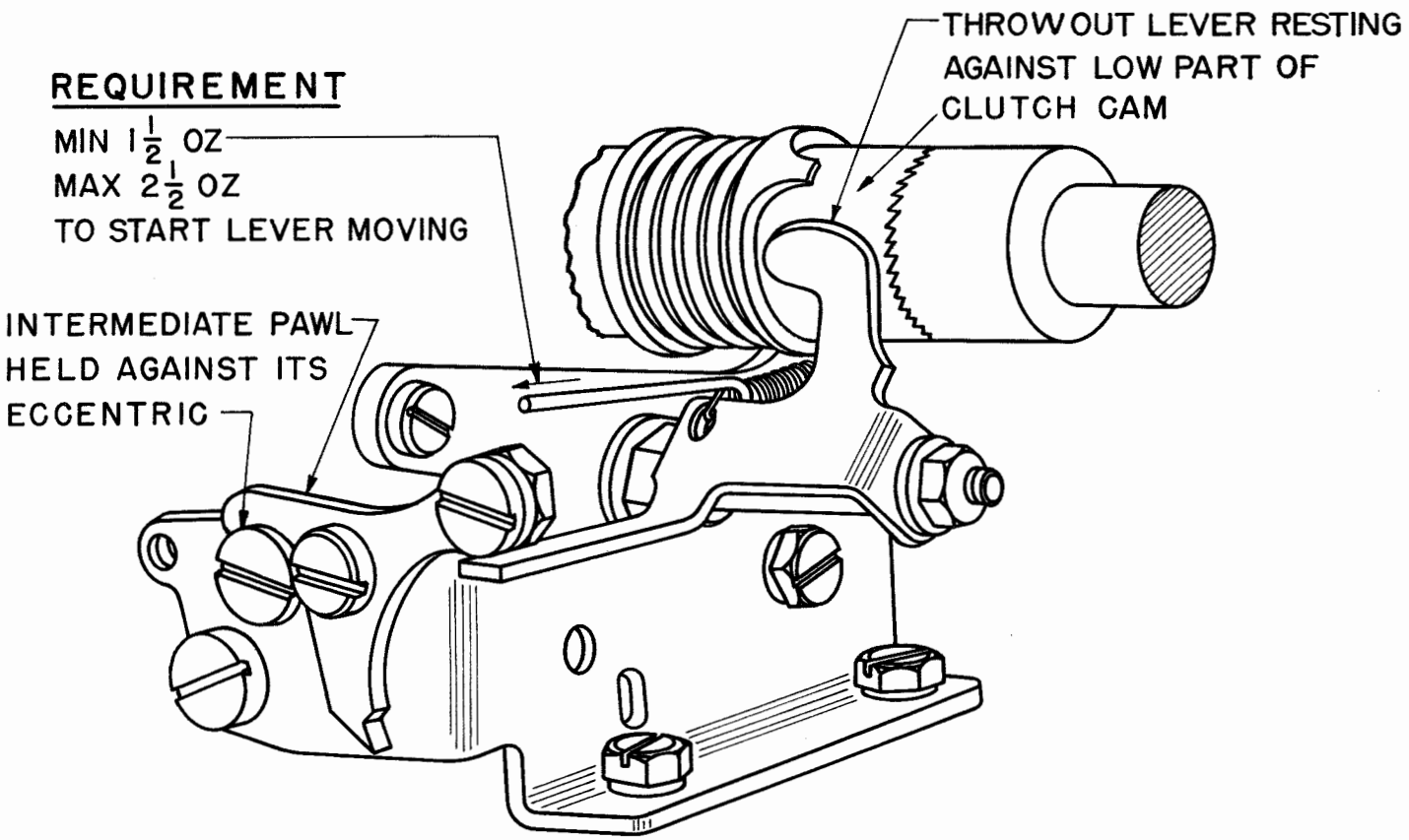


Note: Recheck universal bar clearance (2.13).

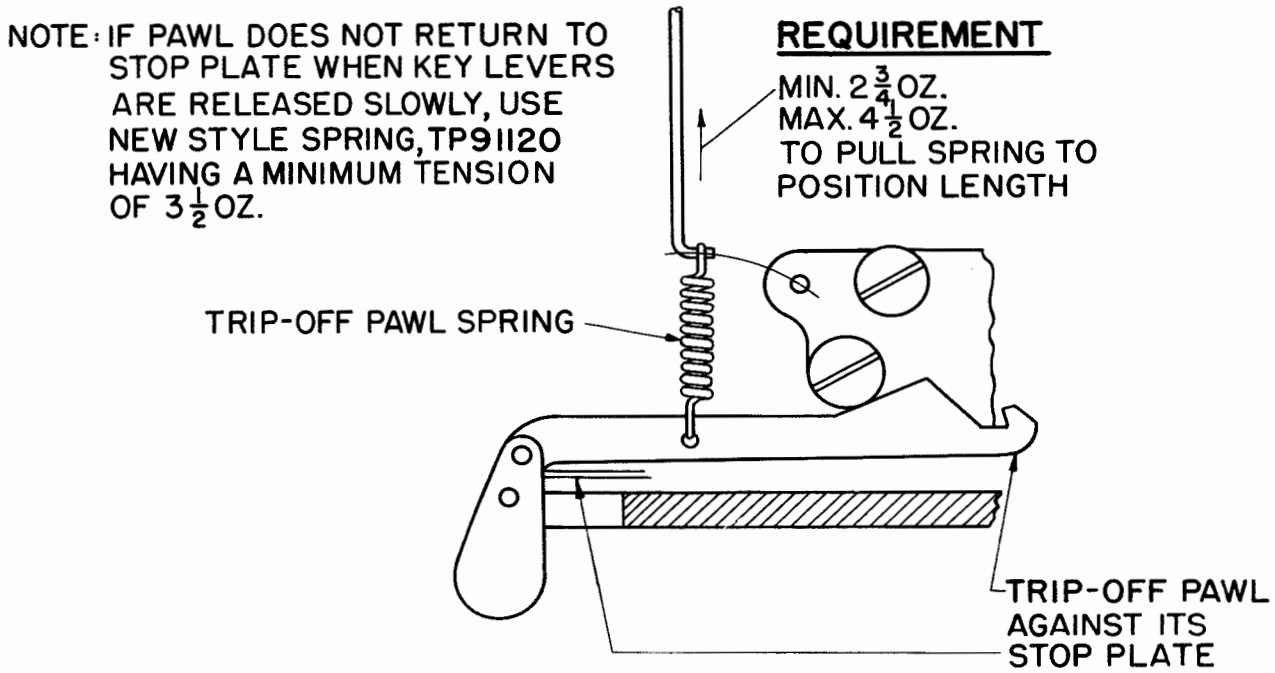
Requirement: Minimum 0.002 inch clearance between stop plate (not shown in figure) and tripoff pawl with pawl fully operated by keylever.

To Adjust: Bend rear end of stop plate.

2.17 Throwout-lever Spring



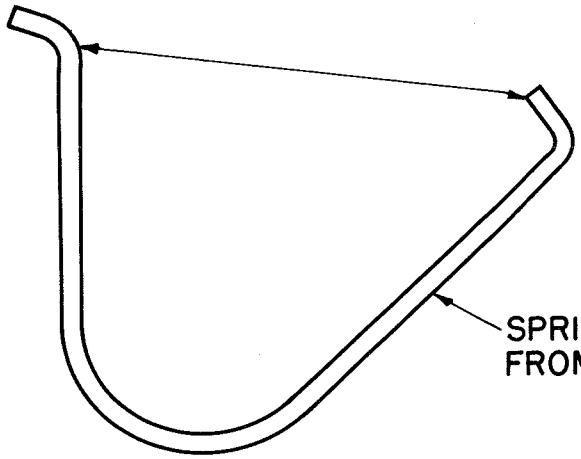
2.18 Tripoff-pawl Spring



2.19 Keylever Springs

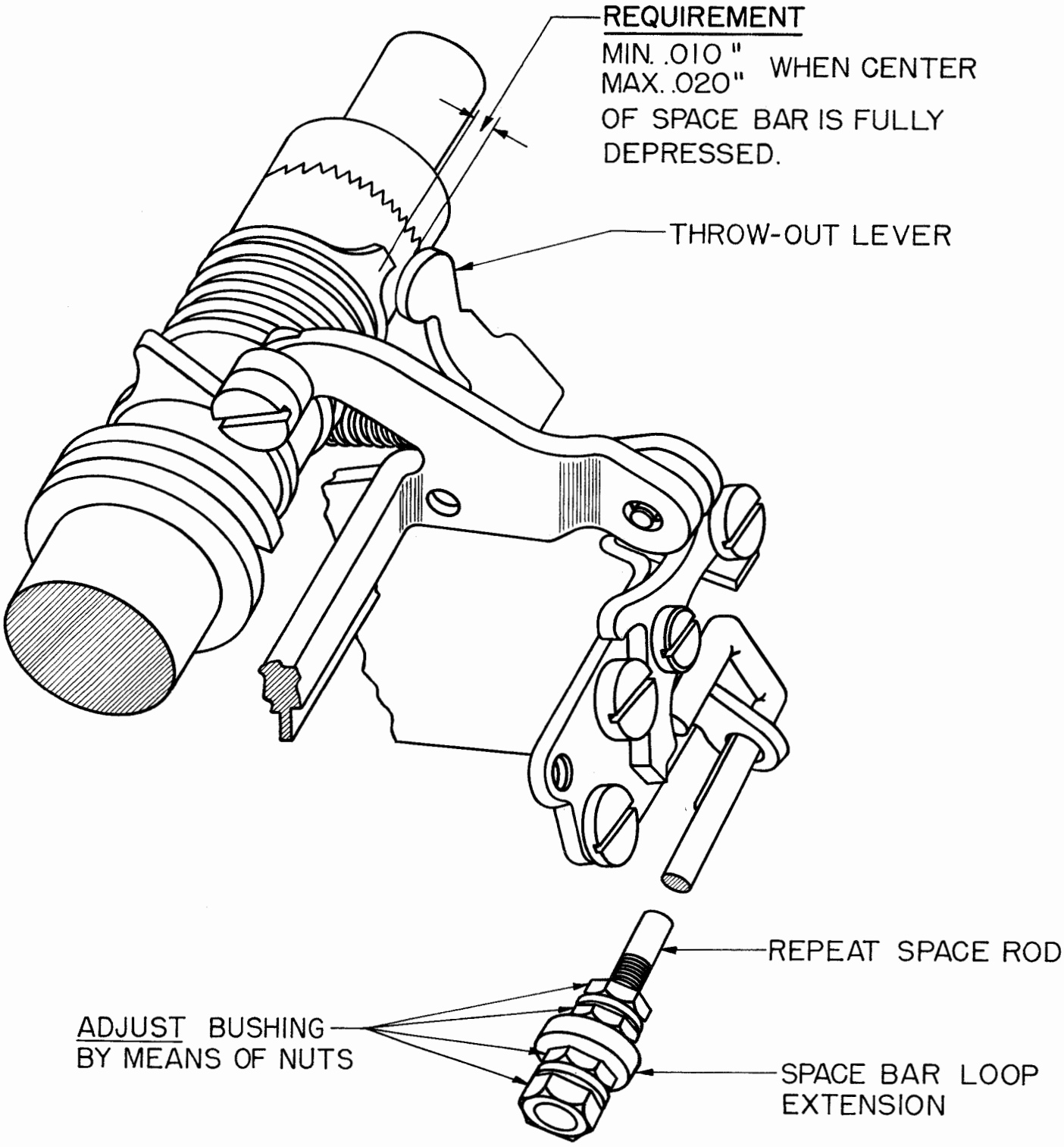
REQUIREMENT

$1\frac{15}{16}$" FOR SPACE
KEY LEVER SPRINGS
$1\frac{3}{16}$" FOR ALL OTHER
KEY LEVER SPRINGS



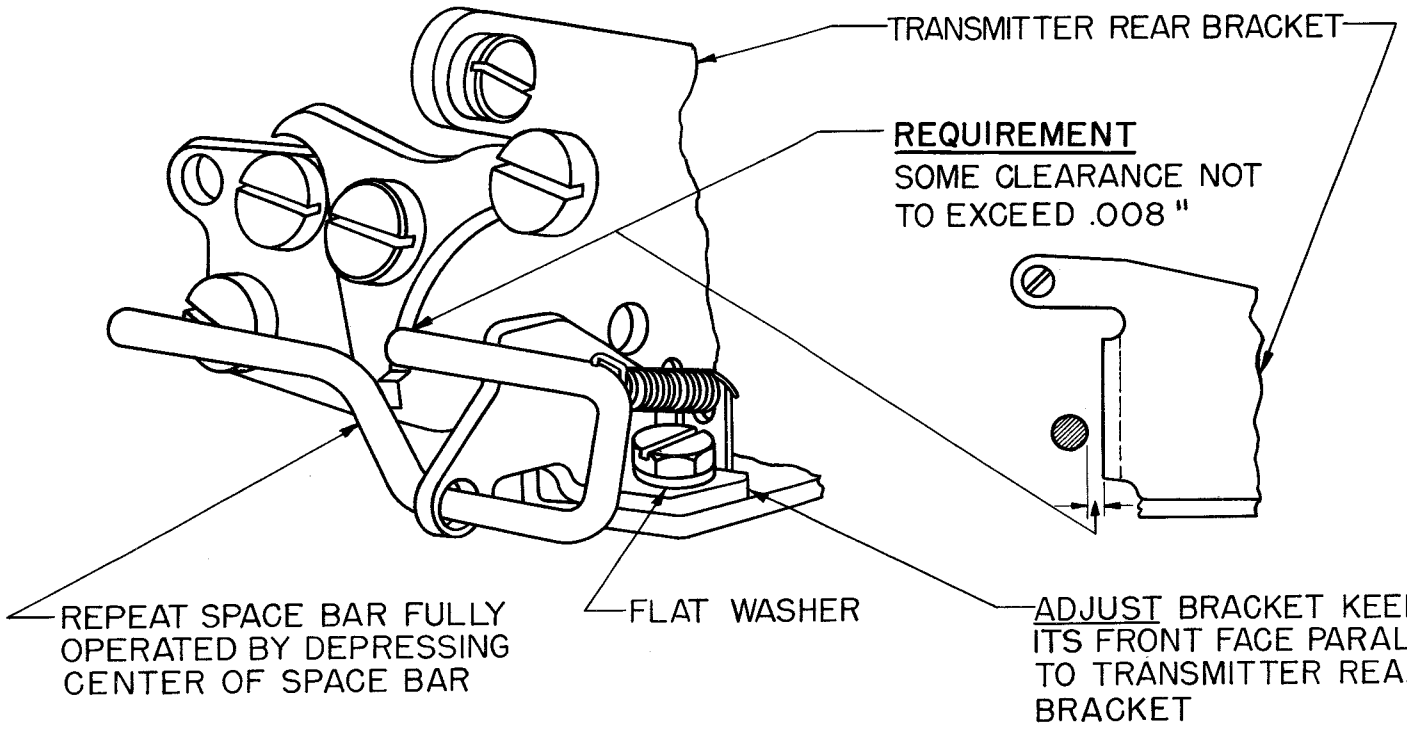
TO ADJUST, BEND SPRING

2.20 Repeat-space Rod

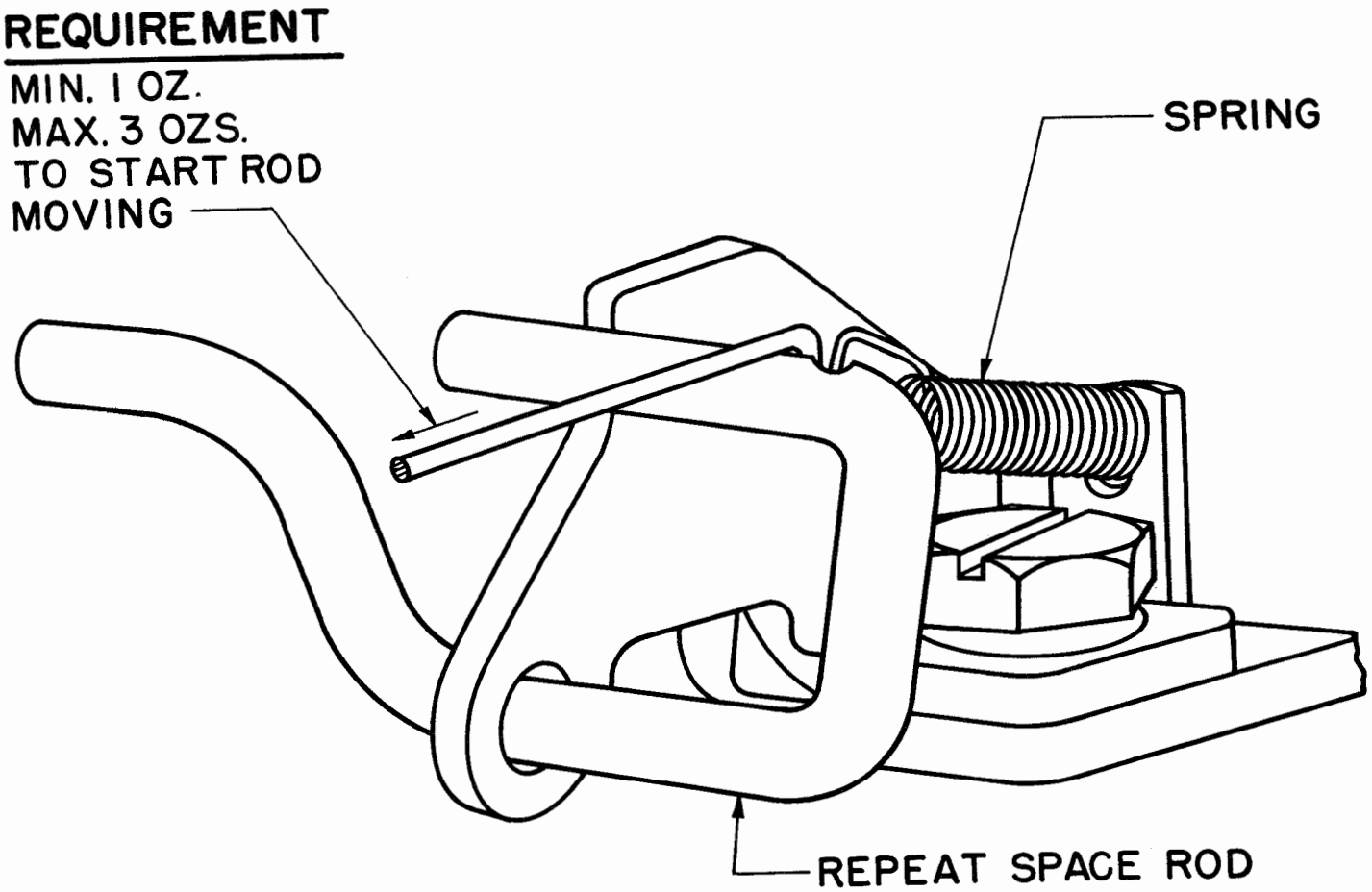


2. 21 Repeat-space-rod Bracket

NOTE: APPLIES ONLY TO UNIT EQUIPPED WITH ADJUSTABLE BRACKETS HAVING FLAT WASHER UNDER MOUNTING SCREW HEAD



2.22 Repeat-space-rod Spring



2. 23 Signal-distortion-reducing Mechanism (an Auxiliary Feature)