

ADDITION TO BULLETINS 148 AND 166 (ISSUES 2)
DESCRIPTION AND ADJUSTMENTS
PERFORATOR TRANSMITTER (MODEL 15)

Add the following adjustment and note immediately preceding the "Cam Pulsing Contact Assembly Adjustments (Figure 33)" on Page 15 of Bulletin 148 and Page 17 of Bulletin 166:

The following adjustment applies only to perforator transmitters equipped with a lock loop backstop screw as shown on Figure 15A.

LOCK LOOP BACKSTOP SCREW ADJUSTMENT

With the lock loop held against the backstop screw there should be .020" to .060" clearance between the lock loop roller and the lock loop cam when the transmitting cam sleeve is rotated to make this clearance a minimum. Adjust by positioning the backstop screw. See Figure 15A.

NOTE: The following cam pulsing contact assembly adjustments apply only to perforator transmitters equipped with the 89974 old style assembly which includes double pulsing contacts operating in conjunction with the fourth and fifth transmitting cams. See Figure 33.

Add the following note and adjustments immediately following the "Cam Pulsing Contact Assembly Adjustments (Figure 33)" on Page 16 of Bulletin 148 and Page 18 of Bulletin 166:

NOTE: The following cam pulsing contact assembly adjustments apply only to perforator transmitters equipped with the 112570 new style assembly including a single contact and hinged cam follower as shown on Figure 33D.

CAM PULSING CONTACT ASSEMBLY ADJUSTMENTS

- (1) The cam follower should ride centrally on the cam throughout a complete revolution of the cam cylinder and the contact points should be in alignment. To adjust, loosen the contact pile-up mounting screws and position the assembly. Tighten the mounting screws.
- (2) With the cam follower resting on the high part of the cam make the following measurements and adjustments:
 - (a) There should be some clearance not more than .010" between the short contact spring and its stiffener, measured at a point closest to the contact. To adjust, bend the stiffener. See Figure 33C.

- (b) Hook an 8 oz. scale over the upper contact spring at the contact point and pull vertically upward. It should require a pull of 2 to 4 ozs. to separate the contact points. Also, the contact surfaces should meet squarely. To adjust, bend the upper contact spring. Recheck 2a.
- (3) Rotate the transmitting cam assembly until the tip of the cam follower falls into the cam indent to make the following measurements and adjustments:
- (a) There should be .010" to .020" clearance between the contact points. To adjust, bend the lower stiffener. See Figure 33D.
- (b) The long contact spring should exert some pressure, not more than 2 ozs., against its stiffener. Measure by hooking an 8 oz. scale under the spring at the contact point and pulling vertically upward. To adjust, bend the long contact spring. Recheck 3a.
- (4) With the cam follower resting on the high part of the cam there should be at least .010" clearance between the lower stiffener and the cam follower. See Figure 33C. If this requirement is not met it may be necessary to bend both stiffeners upward and completely readjust the assembly.

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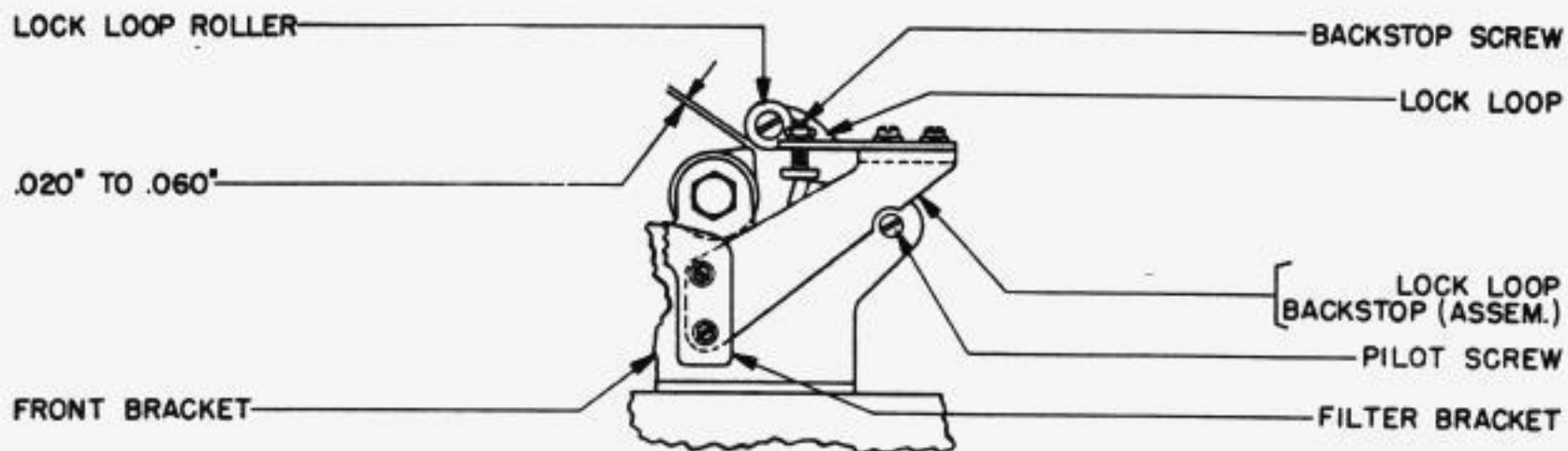


FIGURE 15A

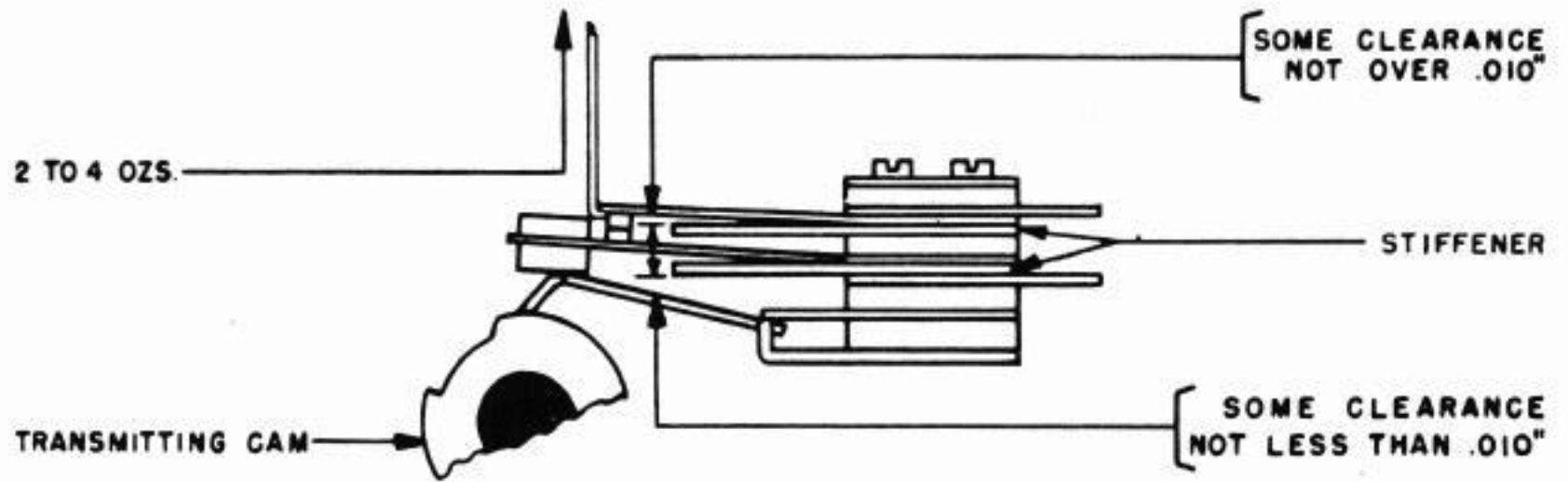


FIGURE 33C

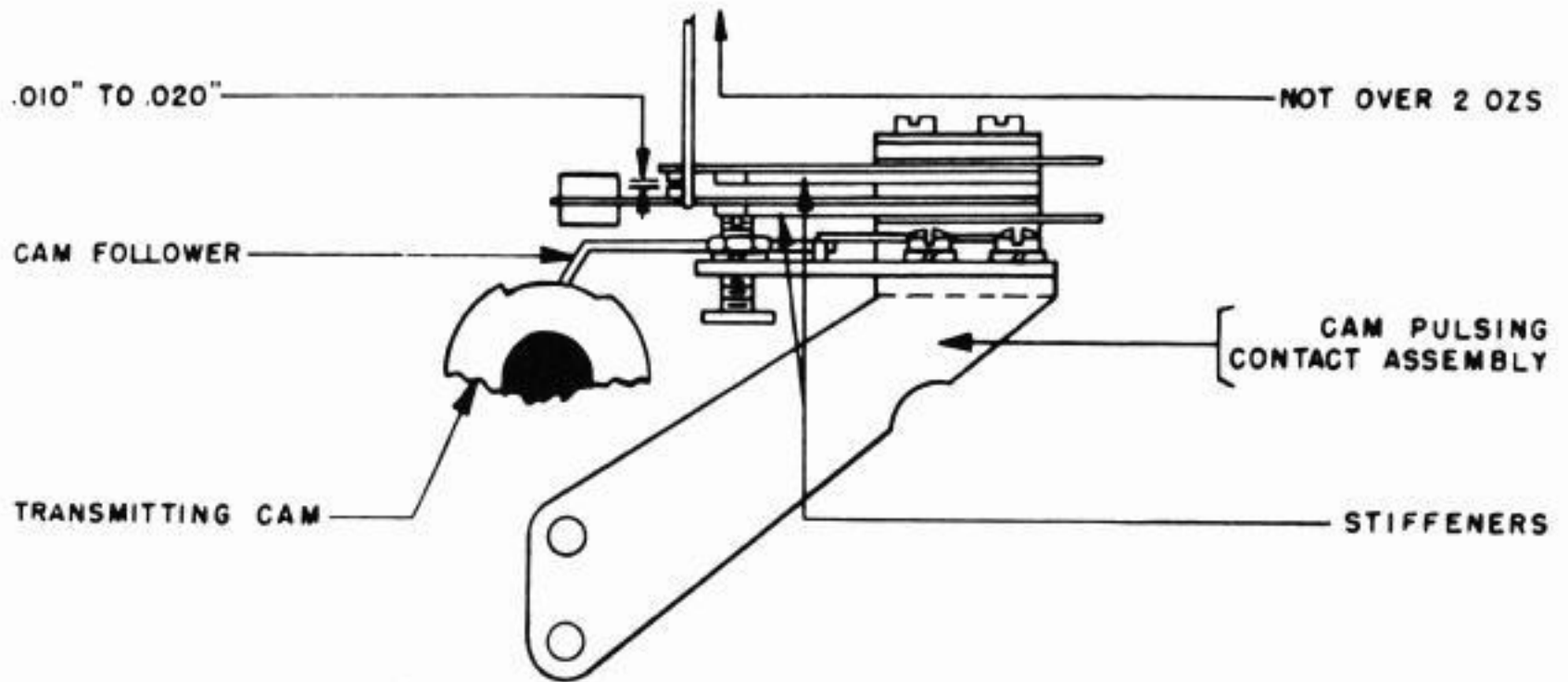


FIGURE 33D