

SERVICE INSTRUCTIONS FOR THE
FLAIRLINE AIR CYLINDERS

DISASSEMBLY - HEAD END:

Remove any plumbing from cylinder ports; place cap end of cylinder tube in vise. Wrap tube in heavy cloth to prevent damage to tube. As you rotate head counterclockwise, use a screw driver to lift end of lock wire clear of slot - (FIGURE 1).

Continue rotation of head and lock wire will feed out of slot (FIGURE 2). Gripping rod, pull forward. Head, rod and piston will come out of tube (FIGURE 3). Screw head off rod threads for ease of clearing rod packing.

CAP END:

Slide head end back in tube to support tube and follow same procedure as above to remove lock wire from cap end - (FIGURE 4).

If cylinder has been used in wet or moist external conditions for a long period, lock wire may be corroded. If this is the case, apply penetrating oil into the lock slots prior to disassembly.

ASSEMBLY:

Replace piston if necessary, rod packings and wiper and all static seals. Clean I.D. of tube thoroughly. Lubricate rod packings and O.D. of piston prior to assembly. To re-assemble cylinder, follow above procedure, except heads will be turned clockwise after lock wire is engaged in tang hole in lock wire groove of head.

Turn clockwise until wire is completely into groove and cylinder port in head is aligned with port hole in tube. To get head end over rod threads without damaging packing and wiper, wrap rod threads with tape.

NOTE: Lock-up nut must be replaced when piston is replaced (FIGURE 3).

DO NOT USE OLD LOCK NUT.

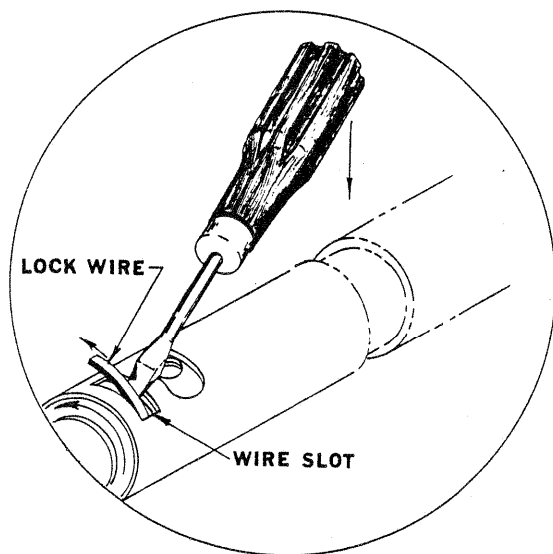


FIGURE 1

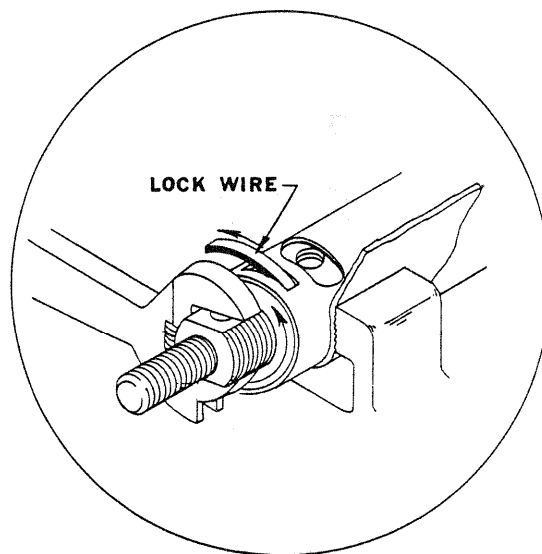


FIGURE 2

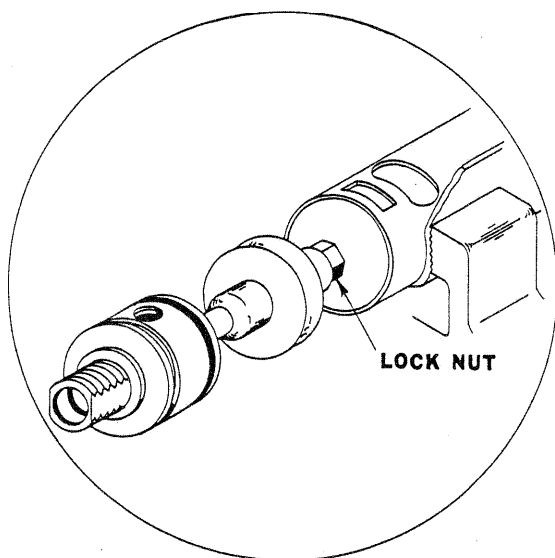


FIGURE 3

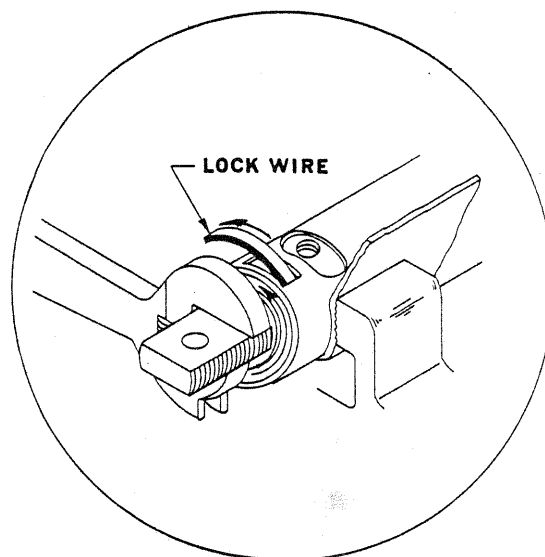


FIGURE 4