NOTES:

Seal side faces commutator.

Seal side faces fan.

Press flush to diaphragm surface - Mechanism side.

Tabs engage drive hub.

Tabs engage gear.

Concave towards gear.

See sketch for press specifications.

Apply thread locking compound to threads of spinlock hex nut. Torque to 145 in./lbs. to 185 in./lbs.

Hold the intermediate gear assembly still with a large pair of pliers and a piece of rubber hose (or other tough, but pliable material to protect the gear from the jaws of the pliers) and remove the 5/16" spinlock hex nut with a wrench, as shown.

Make sure that the end of the wobble shaft fits into the offset (eccentric) recess, as shown.

Place 2-3/4 oz. of type "L" grease, No. 49-08-4175, in mechanism cavity of gear case.

Place 3/4 oz. of type "L" grease, No. 49-08-4175, in lower needle bearing-gear train cavity of diaphragm.

Internal retaining ring side faces center hub of wobble shaft.

Replace each time gear case mechanism is serviced. O-ring opening of diaphragm and rear of tube chassis must be free of all grease prior to O-ring installation.

Sharp side of retaining ring faces ball bearing.

O-ring of polypak seal faces mechanism - toward rear of tool.

Soak in lightweight lubricating oil prior to assembly.

Non-conductive insulation of wires must pass through rubber dust shield; Provides proper sealing of switch from contamination.

Assembled with large O.D. chamfered end facing diaphragm - can be slip or press fit on spindle bearing.

REMOVING THE KEYLESS QUIK-LOK BLADE CLAMP

To remove keyless blade clamp, pry or press off plastic collar. Pop up the hinged tab on spring cover. Rotate cam collar until it stops fully open. While holding cam collar, insert Sawzall blade to push pin partially out. Insert a rigid wire-like instrument, like a paper clip with a slight bend on the end. Locate the pin area on inside slot and twist the paper clip to remove the pin from spindle. (Use of a strong magnet may also remove the pin from the spindle).

Clean all parts before reassembly.

If cam collar or pin is replaced, coat pin with powdered graphite.

Always replace plastic collar and spring cover when servicing.

REASSEMBLY OF THE KEYLESS QUIK-LOK BLADE CLAMP

To reassemble keyless blade clamp, place sleeve (75) in cam collar (73) then place washer (66) on sleeve (75). Insert spring leg of torsion spring (67) into hole on cam collar (73) and slot in washer (66). Cover up with spring cover (56).

Facing the front end of the tool, position reciprocating spindle with the pin hole facing up. Slide keyless blade clamp assembly onto the spindle with slot in cam collar (73) toward the left. Rotate the assembly in the direction of the arrows, approximately 205°. A ground pin may be used to keep the slot and sleeve hole in alignment until hole in spindle is reached. Use a pliers to hold assembly and remove ground pin. Pin (74) can now be inserted into clamp. Snap clamp to assure proper functioning before adding plastic collar (44). Fold hinged tab on spring cover (56) into slot on cam collar (73) as shown. Tab must be present to assure proper function. Slide plastic collar (44) onto assembly. Rotate plastic collar (44) until keyways line up and slide plastic collar (44) over snap in spring cover (56).