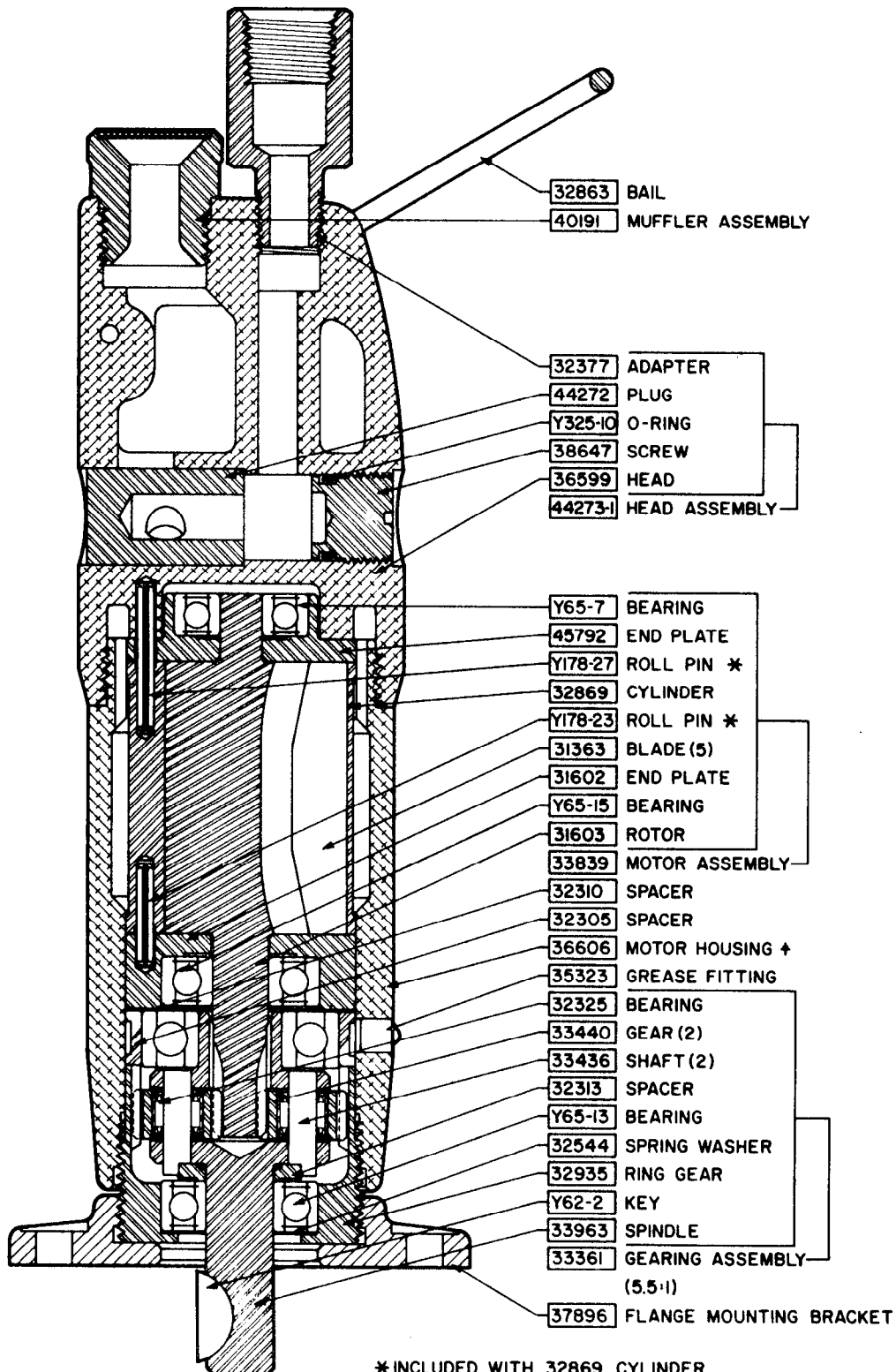


# PARTS LIST

MODEL 7598-F  
O-SERIES POWER UNIT  
REVERSE ROTATION 2800 R.P.M.

FORM 2912-2  
4-7-86



\* INCLUDED WITH 32869 CYLINDER

† INCLUDES 35323 GREASE FITTING

## AIR AND LUBE REQUIREMENTS

AIR PRESSURE OF 90 p.s.i.g. (6 bar) at the air inlet of the tool is required for maximum motor efficiency. If necessary, an air regulator should be installed to maintain this pressure when tool is in operation.

FILTERED AND OILED AIR will allow the tool to operate more efficiently and yield a longer life to operating parts and mechanisms. A line filter capable of filtering particles larger than 50 microns should be used with a line oiler.

FILTER-REGULATOR-LUBRICATOR (F-R-L) assembly Model 128231-800 is recommended for use with this Air Tool. The capacity of the individual Filter-Lubricator is adequate to provide clean (40 micron)

oiled and regulated air for the tool.

FLUSH TOOL with a solution of three parts cleaning solvent and one part light oil after each 40 hours of operation. After flushing, apply a small amount of Spindle Oil in air inlet and run free for one minute to insure proper lubrication.

RECOMMENDED HOSE SIZE – 5/16" (8 mm) nominal inside diameter.

RECOMMENDED LUBRICANTS: Spindle Oil 29665, 1 qt. (.9 liter) container for oiler and air inlet; Grease 33153, 5 lb. (2.3 kg) can for gears and bearings, "O" Ring Lubricant 36460, 4 oz. (113 g) tube for lubrication and installation of "O" Rings.

## MAINTENANCE

DISCONNECT AIR SUPPLY from tool or shut off air supply line to tool and exhaust (drain) air line to tool of compressed air BEFORE performing service or maintenance to tool.

AIR TOOLS are made of precision parts and should be handled with reasonable care when servicing. Excessive pressure exerted by a holding device may cause distortion of a part. Apply pressure evenly when disassembling (or assembling) parts which have a press fit. When removing or installing bearings, apply pressure to the bearing race that will be the press fit to the mating part; if this is not practiced, Brinelling of the bearing races may occur making replacement necessary. It is important that the correct tools and fixtures are used when servicing this Air Tool.

DISASSEMBLY should be done on a clean work bench with a clean cloth spread to prevent the loss of small parts. After disassembly is completed, all parts should be thoroughly washed in a clean solvent, blown dry with air and inspected for wear levels, abuse and contami-

nation.

Double sealed or shielded bearings should never be placed in solvent unless a good method of re-lubricating the bearing is available. Open bearings may be washed but should not be allowed to spin while being blown dry. When REPLACEMENT PARTS are necessary, consult drawing containing the part for identification.

BEFORE REASSEMBLING, lubricate parts where required. Use 33153 Grease, or equivalent, in bearings. Use 36460 Lubricant for "O" Ring Assembly. When assembling "O" rings, care must be exercised to prevent damage to the rubber sealing surfaces. A small amount of grease will usually hold steel balls and other small parts in place while assembling.

WHEN ORDERING PARTS, be sure to list PART NUMBER, PART NAME, MODEL NUMBER AND SERIAL NUMBER OF TOOL. USE ONLY GENUINE ARO REPLACEMENT PARTS.

## DISASSEMBLY AND REASSEMBLY OF TOOLS

### DISASSEMBLY

GEARING – Unthread tool from mounting bracket. Holding motor housing with a strap wrench, unthread and remove gearing from tool. Grasp ring gear in one hand and tap drive end of spindle with a soft-faced hammer, spindle and components will loosen from ring gear. NOTE: Do not disassemble further unless damage is evident. To disassemble, remove bearing (Y65-13) and spacer (32313) from spindle. Alternately tap ends of shafts to loosen bearing (32325). Remove shafts to remove gears.

MOTOR – After removal of the gearing, motor assembly (33839) can be removed from housing. Grasp the cylinder in one hand and tap the drive end of the rotor with a soft-faced hammer; motor will come apart.

### REASSEMBLY

MOTOR – Assemble bearing (Y65-7) to end plate (45792) pressing on outer race of bearing. Assemble end plate to rotor, pressing on inner race of bearing. Coat i.d. of cylinder with spindle oil (29665) and assemble over rotor aligning air inlets and roll pin (Y178-27) of

cylinder with air inlet and hole in end plate. Coat five rotor blades (31363) with spindle oil (29665) and assemble to rotor - straight side out. Assemble bearing (Y65-15) to end plate (31602) pressing on outer race of bearing. Align roll pin (Y178-23) of cylinder with hole in end plate and assemble end plate to cylinder, pressing on inner race of bearing. Be sure motor turns without binding.

NOTE: To assemble motor to tool, place head assembly (44273-1) in a suitable holding device with the "motor end" in an upright position. Assemble motor assembly (33839) to head aligning roll pin (Y178-27) with hole provided in head. Slip motor housing (36606) over motor and secure to head. Assemble spacers (32310) and (32305) to tool.

GEARING – Assemble spacer (32313) and bearing (Y65-13) to spindle. Assemble gears to spindle and secure with shafts, aligning notch in shafts with spacer (32313). Assemble bearing (32325) to spindle. Insure large diameter of washer (32544) is facing bearing (Y65-13) and assemble, with spindle and components, to ring gear (32935). Gearing should contain approximately 1/8 oz. (3.5 g) grease. Assemble gearing to tool. Assemble tool to mounting bracket (37896).