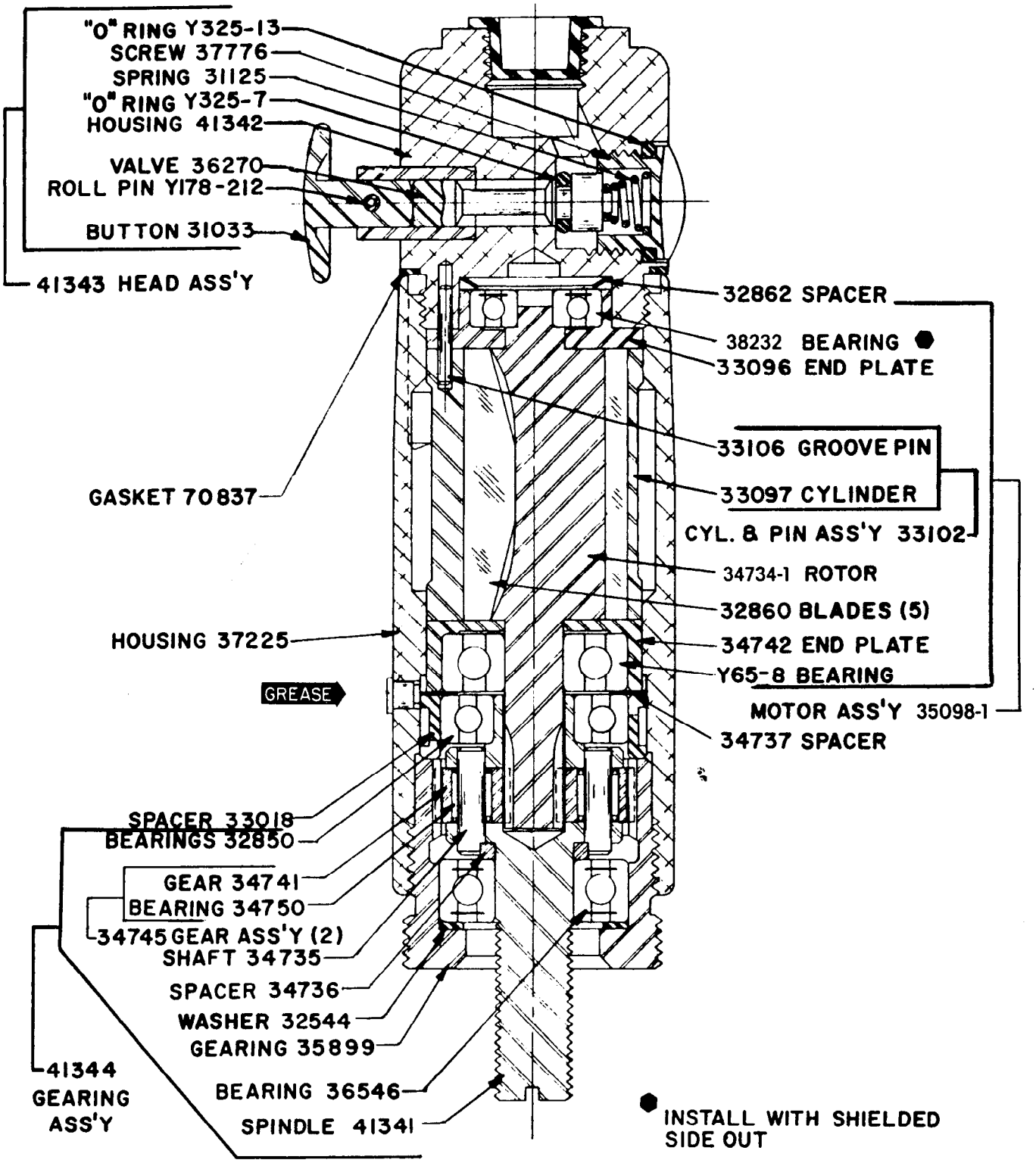
PARTS LIST

MODEL 7588-A
"000" SERIES POWER UNIT
4.83:1 REDUCTION 4400 R.P.M.

FORM 3289-2

4-1-88



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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 this F-R-L 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.

GEARING should be grease lubricated a minimum of once a month.

CAUTION: An excessive amount of lubricant in a tool will affect the speed and power. Each set of planetary gearing should contain approximately 1/16 oz. (1.8 g) of grease.

RECOMMENDED HOSE SIZE: 5/16" (8mm) 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 maintenance or service 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 complete, all parts should be thoroughly washed in a clean solvent, blown dry with air and inspected for wear levels, abuse and contamination. 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, or parts adjacent "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 and remove gearing from tool. Remove components from ring gear (35899). Do not disassemble further unless damage is evident. To disassemble, remove bearing (36546) and spacer (34736). Remove shafts releasing gears. To remove bearing (32850), insert shafts into spindle and alternately tap ends.

MOTOR ASSEMBLY – After removal of the gearing, the motor assembly can be removed from the housing. Grasp the cylinder in one hand and tap splined end of rotor with a non-metallic hammer; motor will come apart.

HEAD – Remove screw (37776), releasing valve components.

REASSEMBLY

HEAD – Grease and assemble "O" ring (Y325-7) to valve stem (36270). Assemble valve stem and spring (31125) into housing, securing with "O" ring (Y325-13) and screw (37776).

MOTOR ASSEMBLY – Lubricate bearing (38232) with ARO 33153 grease and press into end plate (33096). NOTE: Press on outer race of bearing. Assemble end plate (33096) to rotor. NOTE: Press on inner race of bearing. Coat i.d. of cylinder with ARO 29665 spindle oil and assemble cylinder over rotor aligning roll pin of cylinder with hole in end plate. Coat five (5) rotor blades with spindle oil and assemble to slots in rotor – straight side out. Lubricate bearing (Y65-8) and press into end plate (34742). NOTE: Press on outer race of bearing and press below flush. Assemble end plate to rotor. NOTE: Press on inner race of bearing. Be sure rotor turns without binding. To assemble to tool, place head in a suitable holding device with "motor end" in an upright position. Assemble spacer (32862) and gasket (70837) to head. Place motor assembly on head aligning roll pin with hole in head. Slip housing (37225) over motor assembly and secure to tool. Assemble spacers (34737) and (33018) to housing.

GEARING – Assemble spacer (34736) to spindle. Assemble gears (34745) to spindle and secure with shafts (34735), aligning notch in shafts with spacer. Lubricate bearing (32850) and assemble to spindle. NOTE: Press on inner race of bearing. Press bearing (36546) onto spindle. NOTE: Press on inner race of bearing. Assemble spring washer (32544) and spindle to ring gear. NOTE: Assemble spring washer with large diameter facing bearing. Assemble ring gear to tool. NOTE: Gearing assembly should contain approximately 1/16 oz. (1.8 g) grease.