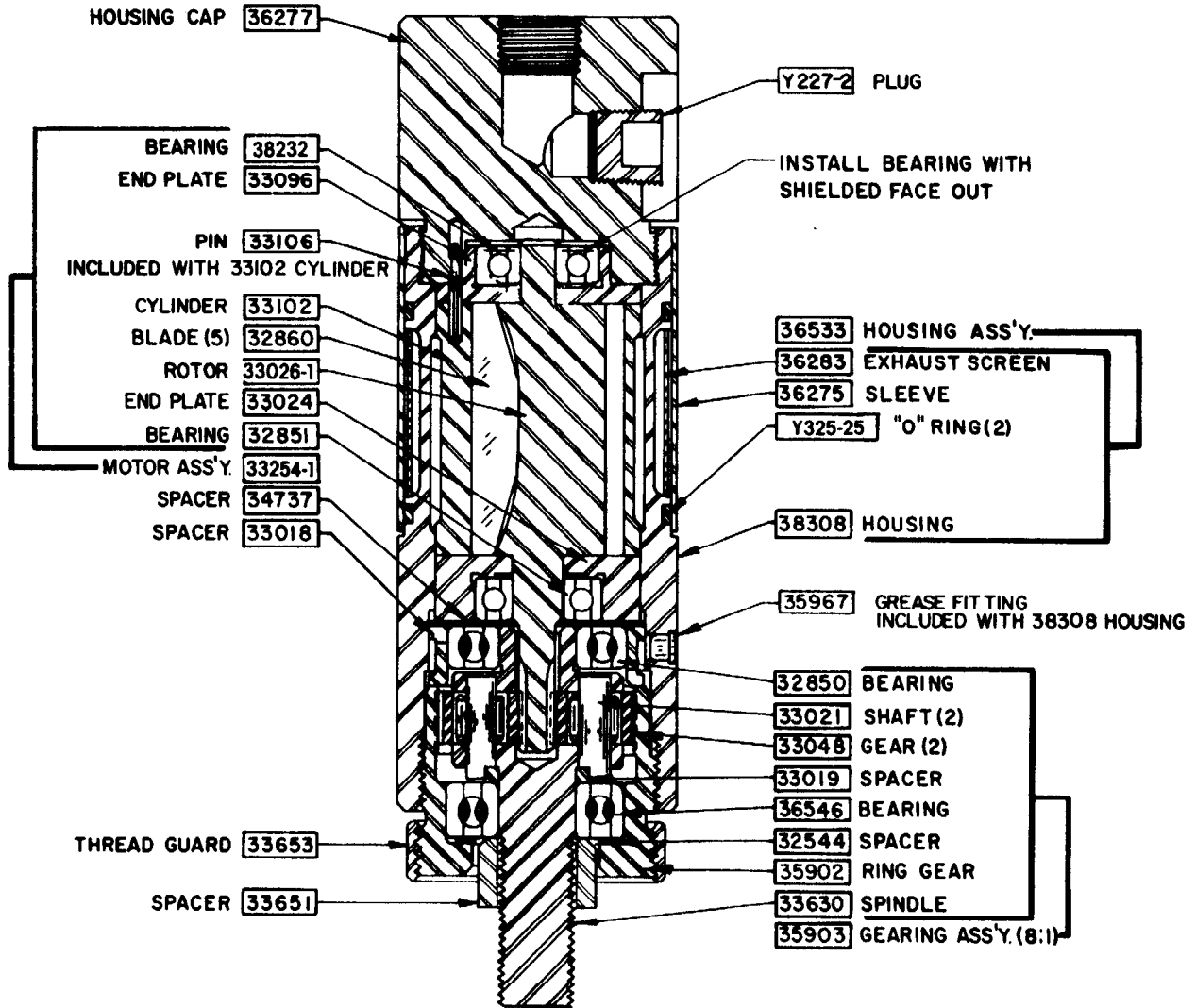


SALES AND ENGINEERING DATA

"000" POWER MOTOR
MODEL 7535-B
2,600 R.P.M.

FORM 3246-2



NOT SHOWN: WRENCH 30131

AIR AND LUBE REQUIREMENTS

AIR PRESSURE of 90 p.s.i.g. (6 bar, g) 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. 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.

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

CAUTION: An excessive amount of Lubricant in a tool will affect the speed and power. Gearing should contain approx. 1/8 oz. (3.5 g) of grease per set of planetary gearing.

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

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 contamination. Double sealed and shielded bearings should

never be placed in solvent unless a good method of relubricating 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, SERIAL NUMBER, PART NAME and MODEL NUMBER OF TOOL. USE ONLY GENUINE ARO REPLACEMENT PARTS.

DISASSEMBLY AND REASSEMBLY OF TOOL

DISASSEMBLY

GEARING — Remove Thread Guard (33653). Using wrenches on flats of gearing and motor housing unthread and remove gearing. Models with drive and auxiliary gearing; separate gearing using wrenches on flats of each gear housing.

Grasp Ring Gear in one hand and tap drive end of Spindle with a non-metallic hammer; Spindle and components will loosen from Ring Gear. Further disassembly should be done only if it is necessary to replace a part, as brinelling of the bearing races may occur making replacement necessary.

To disassemble completely; remove Bearing and Spacer from drive end of Spindle. Remove Shafts releasing Gears. To remove Bearing from opposite end of Spindle, insert Shafts in Spindle and alternately tap ends of Shafts loosening Bearing.

MOTOR — Assembly may be removed from housing after removal of gearing or head. Grasp Cylinder in one hand and tap splined end of Rotor with a non-metallic hammer; motor will come apart.

REASSEMBLY

GEARING — Using grease 33153 pack Bearings. Apply grease to gear teeth and bearings inside gears. Assemble Spacer and Bearing to drive end of Spindle. Assemble Gears to Spindle and secure with Shafts, aligning notches in end of Shafts with Spacer.

Assemble Bearing to opposite end of Spindle and assemble with Washer, into Ring Gear. Assemble Washer with large dia. facing bearing.

MOTOR — Assemble Bearings into End Plates and assemble rear End Plate (33096) to Rotor. Assemble Cylinder over Rotor to rear End Plate and assemble Blades to Rotor. Assemble front End Plate (with Bearing) to Rotor and Cylinder. Insure motor does not bind and assemble to tool.

NOTE: When assembling motor to tool, remove motor housing from head. Place Head of tool in a suitable holding device with "motor end" in an upright position. Position motor on head with Roll Pin (33106) aligned with hole provided in head. Slip motor housing over motor assembly and secure to head. Assemble Spacers (34737) and (33018) and gearing to tool.