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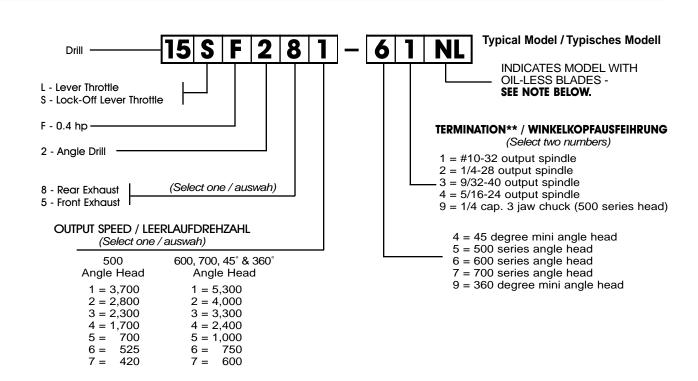


45-8422

Model: 15LF2.. & 15SF2..

0.4 hp ERGO Angle Drills

COOPER Tools



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CooperTools P.O. BOX 1410 Lexington, South Carolina 29071-1410

ANGLE HEAD GEARING

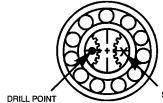
When angle head gearing is replaced, wipe on a thin coat of Molykote, grade G; only a small amount is necessary. An 8 ounce tube is available under part number 540394.

CAUTION Do not use substitutes for oil and grease. This could result in damage to the tool.

SPEED CODE "4" ONLY: Timing of the Step Reduction Gear Assembly:

Assemble the planet gears into the planet cage, making sure the notched planet pins fit over the planet cage washer. Rotate each gear until the aligning hole — on the end of one gear — is diametrically opposite the "X" mark of the other gear. Hold the gears in this position and slip the planet cage into the internal gear. It's important to avoid "wiping out" the gear teeth.

This is the only position where the gear teeth are lined up.



STAMPED "X"

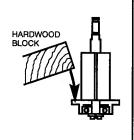
MOTOR REASSEMBLY

- 1. Install ball bearings into both the front and rear plates.
- 2. Assemble rotor to rear plate/bearing assembly with the rotor's retaining screw. Position and set the rotor as close as possible to the rear plate, without dragging or rubbing.
- a. A good practice is to stone the blade slots and polish the ends with a medium grit emery cloth.
- b. Assemble components making sure the bearing is firmly seated in the rear plate
- 3. Begin tightening rotor screw without over-tightening to avoid damaging the ball bearing. Alternately spin the rotor while tightening until clearance is judged to be proper—about 0.001" clearance.

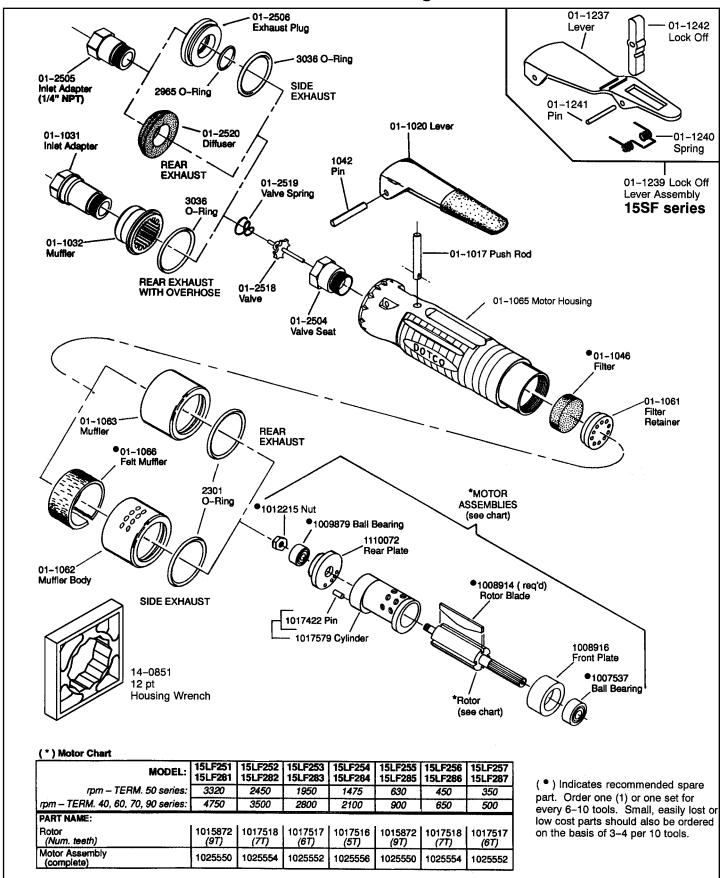
One method, shown below, is to hold the rotor/rear plate assembly verticaly (plate downward) and strike the edge of the plate with a wood block.

Begin tightening rotor nut without over-tightening to avoid damaging the ball bearing. Alternately spin the rotor while tightening until clearance is judged to be proper—about 0.001" clearance.

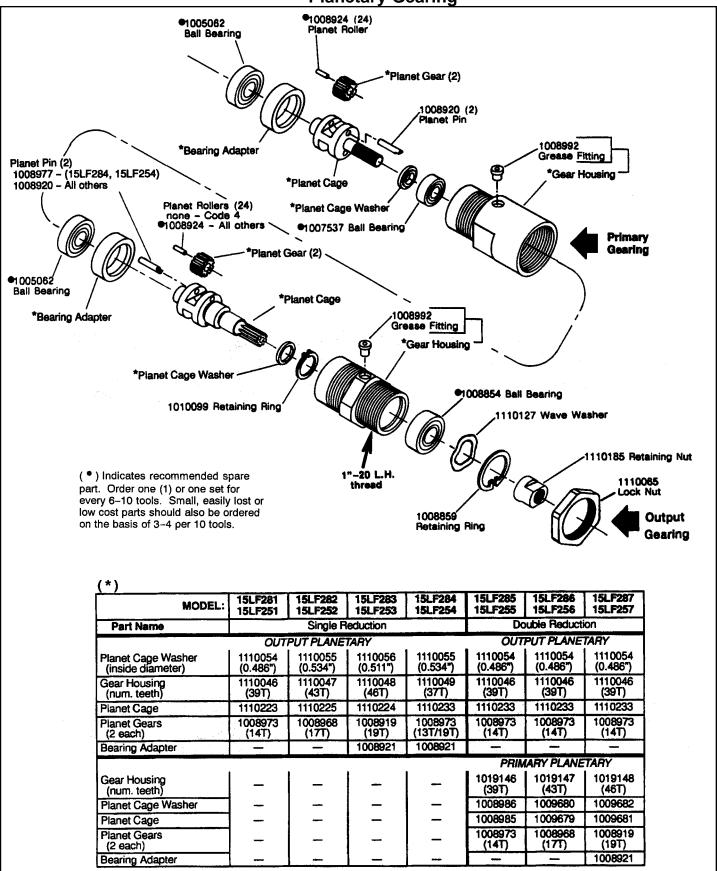
Hold the rotor/rear plate assembly vertically (plate downward) and strike the edge of the plate with a wood block.



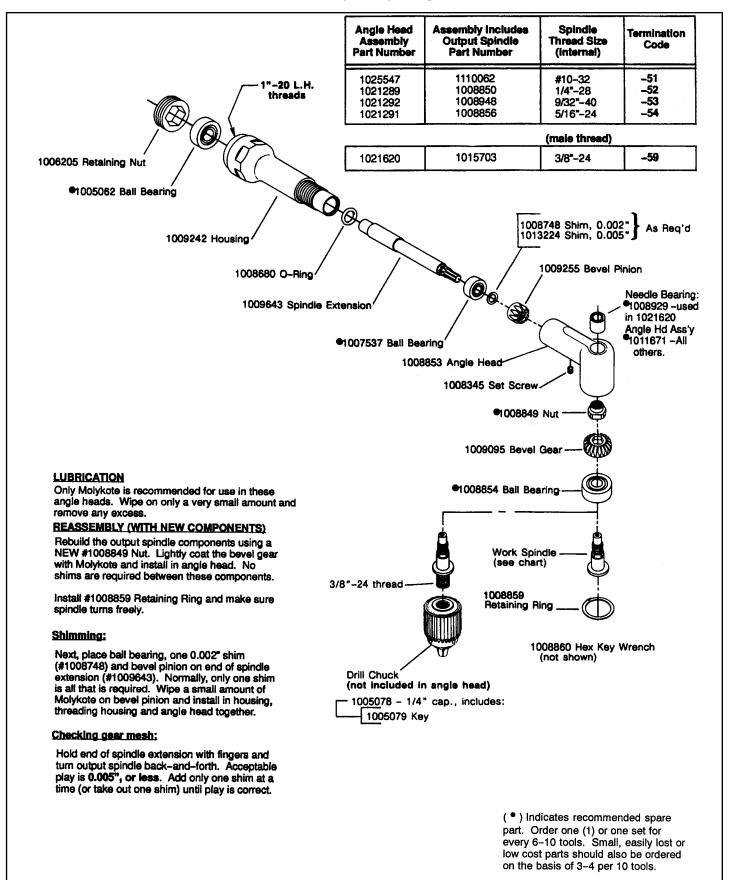
DOTCOMotor & Motor Housing Assemblies



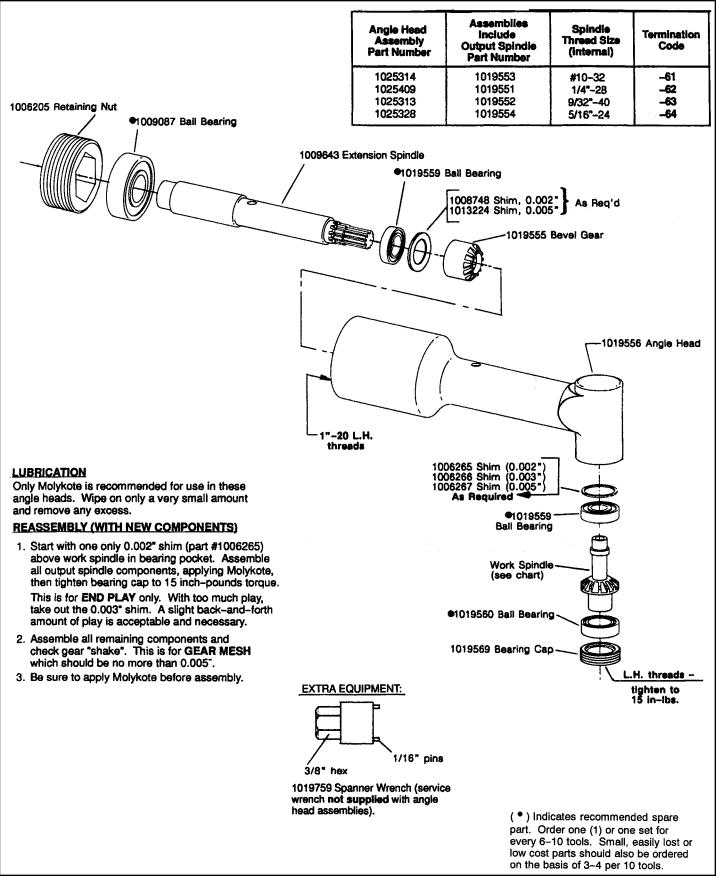
DOTCO Planetary Gearing



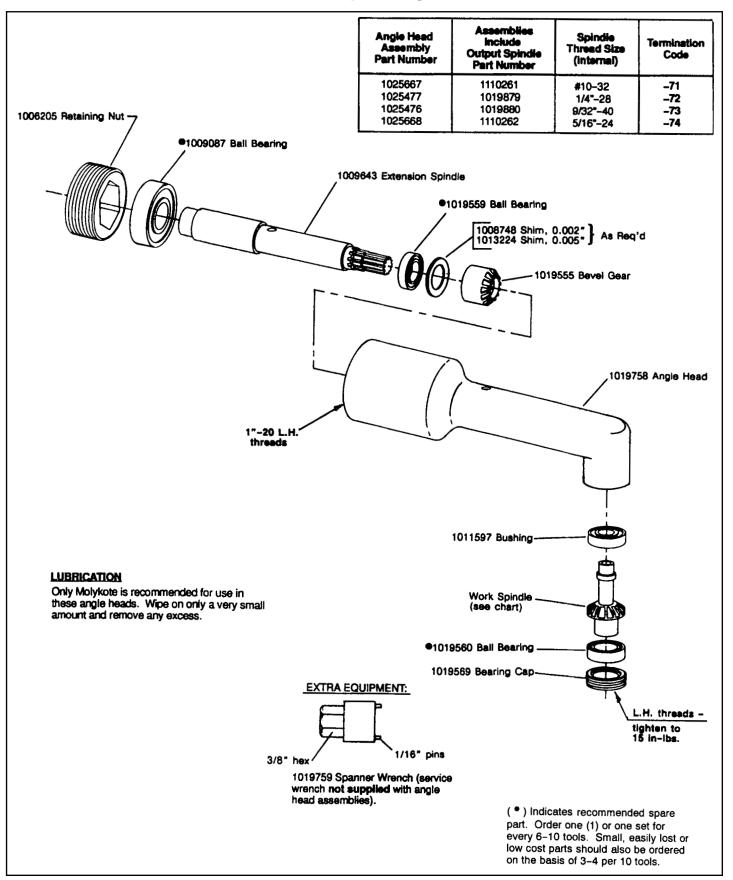
DOTCO 90° Heavy Duty Angle Heads



DOTCO 90º Miniature Angle Heads



DOTCO 90° Compact Angle Heads



DOTCO Model 15LF series (0.4 hp) Angle Heads

