

## Disassembly/Assembly Instructions – Dynaline Sander (continued)

- Secure motor housing in vice, using **57092** Collar or padded jaws. Spread 2-3 drops of pneumatic tool oil around the housing bore for ease of insertion of motor assembly. Slide motor assembly into secured housing.  
**Note:** Be certain line-up pin enters the hole in the bottom of the housing.
- Tighten lock ring with **56058** Lock Ring Tool to 28 N•m/250 in. - lbs.

### Gearbox Reassembly:

- Place **57428** Sliders in gearbox halves.
- Install **57429** Felt Seals into gear housing halves. Using Dynabrade's **95542** Gear Grease (or equivalent), grease entire slider including, transfer pinion holes and groves.
- Grease slide board gear pack and bearing pocket. Grease **57445** Bearing. Place bearing on **57430** Cam Assembly. Grease counterweight gear packs.
- Place counterweight over **57430** Cam Assembly with tool inverted and exhaust at six o'clock. Place cam assembly bearing at three o'clock. Take one gear box half and slide it onto the housing groves.
- Place transfer pinion on counter weight gear rack, sliding pinion shaft partially into mated hole on slider. Repeat for second shaft.  
**Important:** Make sure counter weight is positioned dead center of cam assembly when transfer pinions are installed. This ensures correct timing.
- Making sure needle bearing is still located at three o'clock, place slide board railing into groove on slider while aligning needle bearing into bearing channel on slider board.
- Place other gearbox half onto grooves of motor housing, making sure all parts align. Press both gear box halves together.
- Install **95842** Screws and **95841** Nuts and tighten. Reinstall Pad.

### Valve And Speed Regulator Disassembly/Assembly:

- Secure housing in vice using **57092** Collar or padded jaw.
- Remove **56076** Valve plug. Remove the **95523** O-Ring.
- Remove **54192** Spring, and **56029** Valve Stem with O-Ring.
- Install new **95523** O-Ring onto **56076** Valve Plug, and new **01020** O-Ring onto **56029** Valve Stem.
- Place valve stem into housing, alone with **54192** Spring.
- Install **56076** Valve Plug and new **95523** O-Ring.

**Tool Assembly is complete. Please allow 30 minutes for adhesives to cure before operating tool.**

**Important:** Motor should now be tested for proper operation at 90 PSIG. If motor does not operate properly or operates at a higher RPM than marked on the tool, the tool should be serviced to correct the cause before use. Before operating, place 2-3 drops of Dynabrade Air Lube (P/N **95842**) directly into air inlet with throttle lever depressed. Operate tool for 30 seconds to determine if tool is operating properly and to allow lubricating oils to properly penetrate motor

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## Optional Accessories



### Grease and Grease Gun

- Multi-purpose grease for all types of bearing, cams, gears.
- High film strength; excellent resistance to water, steam, etc.
- Workable range 0°F to 300°F.

**95541:** Push-type grease gun.

**95542:** 10oz. (283.5g) tube.



### 96531 Motor Tune-Up Kit:

- Includes assorted parts to help maintain and repair motor.



### 96046 Motor Repair Kit:

Includes special tools for proper disassembly/assembly of the machine.