

Gear Installation on MSD Ford Distributors

It is recommended to send your Ford Distributor to MSD to have a new gear installed. The installation process requires a press fit and the need for special tools to achieve proper installation without damaging the shaft, gear or housing. If returning the distributor to MSD is not an option, a quality machine shop may also be able to install your new gear.

CAUTION: If the gear is installed improperly, severe damage to the distributor and/or engine block will occur!

1. With the endplay of the distributor shaft removed, measure the distance from the bottom of the gear to the bottom of the mounting flange (Figure 1). It should be within the specifications shown.
2. Scribe a mark on the shaft at the bottom of the gear. This will aid in the installation position of the new gear.
3. Remove the original roll pin and remove the press fit gear. Use extreme care not to damage the end of the shaft where it meshes with the oil pump.
4. Position the gear so the new roll pin will enter the shaft 90° from the original hole. (Lining up the original hole is possible, but a new hole will likely be machined.)
5. Press the new gear into position on the shaft. Measure the distance as shown in Figure 1 before drilling the new roll pin hole.
6. Carefully drill a 0.125" hole through the shaft using the gear as a guide.
7. Install the new 1/8" spiral roll pin.

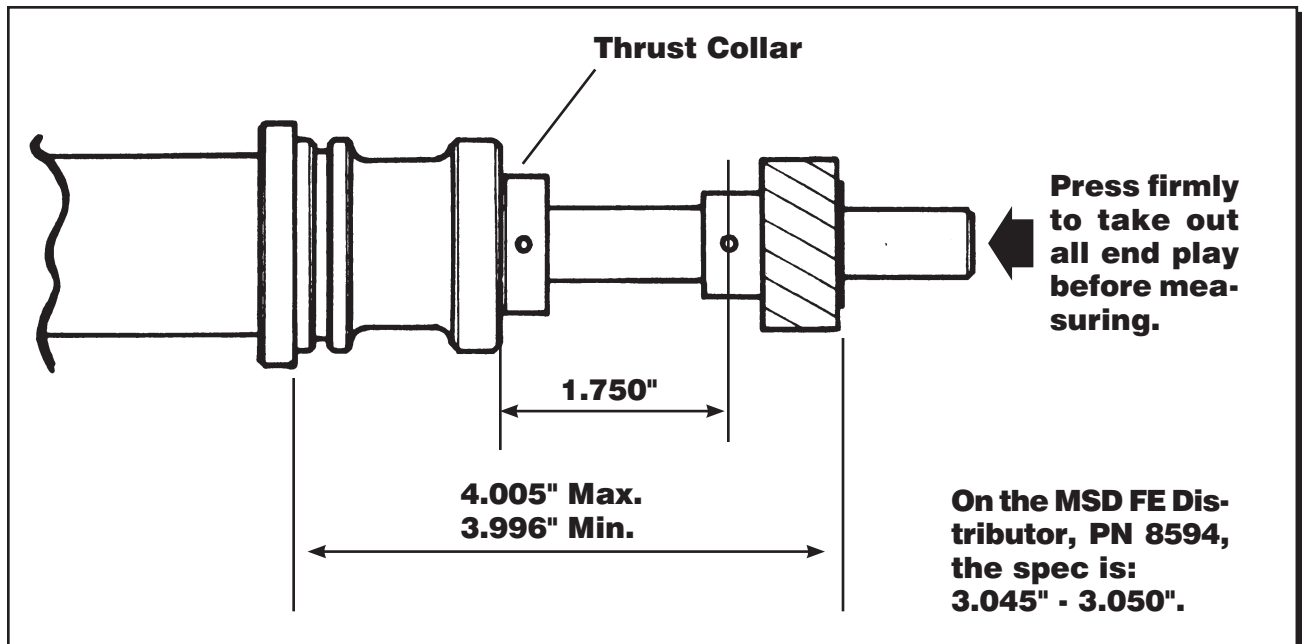


Figure 1 Gear Installation Specifications