

WARNING

Wear appropriate eye and face protection when using compressed air. Flying debris and dirt can cause bodily injury.

CAUTION

Failure to clean and dry the shaft and gear tapers thoroughly can result in timing shift to the retarded side after the engine is started and running under a load. This can result in low power, smoke, rough running, and engine damage.

Tighten the fuel injection pump drive nut.

Torque Value:

Bosch® VE (M14 - 1.5 nut, 17 mm taper)	93 N•m	[69 ft-lb]
Bosch® VE (M12 nut, 17 mm taper)	65 N•m	[48 ft-lb]
Lucas CAV/DPA	81 N•m	[60 ft-lb]
Stanadyne	196 N•m	[145 ft-lb]
Nippondenso	123 N•m	[92 ft-lb]
Bosch® A pump	85 N•m	[63 ft-lb]
Bosch® MW pump	105 N•m	[77 ft-lb]
Bosch® P3000/P7100	195 N•m	[144 - 150 ft-lb]
VP44		[100 ft-lb]

Make sure that the static timing has **not** changed after the fuel injection pump drive nut is tightened to the required specification.

Before installing the fuel pump drive gear, clean the injection pump shaft and gear tapers with residue-free cleaner, Part No. 3824510, by spraying into the gap between the shaft and the gear. Dry the surface with compressed air.

Repeat this procedure as needed until the timing matches the specification.

