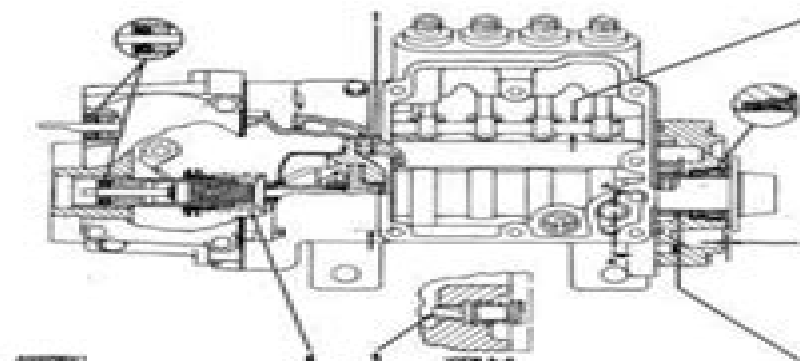


FUEL INJECTION EQUIPMENT



Firing order (injection sequence) 1, 3, 4, 2
Injection timing before TDC (top center):

Fuel pump serial numbers to 044, 899 $12^{\circ} 30' \pm 1^{\circ}$
Fuel pump serial numbers, 044, 900 and up $13^{\circ} 30' \pm 1^{\circ}$

Torque for bolt in hole for
timing pin 106 $\pm$ 30 lb. in. (12.2 $\pm$ 4.1 N-m)

Torque for bolts that hold governor weight carrier
to camshaft 90 $\pm$ 10 lb. in. (10.2 $\pm$ 1.1 N-m)

(1) Diameter of rear bearing surface (journal) of the camshaft
(new) 2.3720 $\pm$.0005 in. (60.349 $\pm$ 0.013 mm)
Bore in the rear bearing for the
camshaft (new) 2.3750 $\pm$.0005 in. (60.325 $\pm$ 0.013 mm)
Maximum permissible clearance between the bearing
and the camshaft bearing surface (journal)
(worm)006 in. (0.15 mm)

(2) Diameter of fuel control shaft
(new)3500 $\pm$.0003 in. (8.966 $\pm$ 0.008 mm)
Bore in the housing for fuel control shaft
(new)3543 $\pm$.0005 in. (8.999 $\pm$ 0.013 mm)
Maximum permissible clearance between the bore
in the housing and the fuel control shaft
(worm)003 in. (0.08 mm)

(3) End play for camshaft with sleeve installed
(new)023 $\pm$.018 in. (0.58 $\pm$ 0.46 mm)

NOTE: When installing sleeve on end of camshaft, support the camshaft to prevent damage to parts inside of injection pump and governor housing.

(4) Governor spring:
Make reference to the chart "GOVERNOR SPRINGS."

(5) Bypass valve:
Make reference to the chart "BYPASS VALVE SPRINGS."

(6) Diameter of front bearing surface (journal) of the
camshaft (new)9990 $\pm$.0005 in. (25.375 $\pm$ 0.013 mm)
Bore in the front bearing for the camshaft
(new) 1.0005 $\pm$.0005 in. (25.413 $\pm$ 0.013 mm)
Maximum permissible clearance between the bearing
and the camshaft bearing surface (journal)
(worm)003 in. (0.08 mm)

NOTE: FOR TORQUE VALUES NOT GIVEN, SEE THE FIRST
PAGE OF SPECIFICATIONS FOR GENERAL TIGHTENING TORQUES

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LL Leslie



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