

ENGINE FUEL

SERVICE DATA

SS06R-04

Injection nozzles	Nozzle opening pressure	New nozzle 2L, 3L 5L	14,810 – 15,590 kPa (151 – 159 kgf/cm ² , 2,148 – 2,262 psi) 15,581 – 16,781 kPa (159 – 171 kgf/cm ² , 2,262 – 2,432 psi)
		Reused nozzle 2L, 3L 5L	14,220 – 15,200 kPa (145 – 155 kgf/cm ² , 2,062 – 2,205 psi) 15,090 – 16,290 kPa (154 – 166 kgf/cm ² , 2,190 – 2,361 psi)
	Adjusting shim thickness (for repair part)		0.900 mm (0.0354 in.) 0.950 mm (0.0374 in.) 1.000 mm (0.0394 in.) 1.050 mm (0.0413 in.) 1.100 mm (0.0433 in.) 1.150 mm (0.0453 in.) 1.200 mm (0.0472 in.) 1.250 mm (0.0492 in.) 1.300 mm (0.0512 in.) 1.350 mm (0.0531 in.) 1.400 mm (0.0551 in.) 1.450 mm (0.0571 in.) 1.500 mm (0.0591 in.) 1.550 mm (0.0610 in.) 1.600 mm (0.0630 in.) 1.650 mm (0.0650 in.) 1.700 mm (0.0669 in.) 1.750 mm (0.0689 in.) 1.800 mm (0.0709 in.) 1.850 mm (0.0728 in.) 1.900 mm (0.0748 in.) 1.950 mm (0.0768 in.)
Injection pump	Direction of rotation		Clockwise as seen from drive side
	Injection order		1 – 3 – 4 – 2 (A – B – C – D)
	Plunger spring deviation		2.0 mm (0.079 in.)
	Spring free length		
	Delivery valve spring		24.4 mm (0.961 in.)
	Plunger spring		30.0 mm (1.181 in.)
	Coupling spring		16.6 mm (0.654 in.)
	Roller height variation		0.02 mm (0.0008 in.)
	Fuel cut solenoid resistance	at 20°C (68°F)	9.5 – 11.9 Ω
	Pickup sensor resistance	at 20°C (68°F)	650 – 970 Ω
	Timer adjusting screw protrusion pre-setting		5.0 – 6.0 mm (0.197 – 0.236 in.)
	Plunger spring shim thickness		0.5 mm (0.020 in.) 0.8 mm (0.031 in.) 1.0 mm (0.039 in.) 1.2 mm (0.047 in.) 1.5 mm (0.059 in.) 1.8 mm (0.071 in.) 2.0 mm (0.079 in.)
	Plunger adjusting shim thickness		1.9 mm (0.075 in.) 2.0 mm (0.079 in.) 2.1 mm (0.083 in.) 2.2 mm (0.087 in.) 2.3 mm (0.091 in.) 2.4 mm (0.094 in.) 2.5 mm (0.098 in.) 2.6 mm (0.102 in.) 2.7 mm (0.106 in.) 2.8 mm (0.110 in.) 2.9 mm (0.114 in.)
	Flyweight holder thrust clearance		0.15 – 0.35 mm (0.0059 – 0.0138 in.)
	Governor gear adjusting washer thickness		1.05 mm (0.0413 in.) 1.25 mm (0.0492 in.) 1.45 mm (0.0571 in.) 1.65 mm (0.0650 in.) 1.85 mm (0.0728 in.)
	Governor shaft protrusion		0.5 – 2.0 mm (0.020 – 0.079 in.)
	Timer inner spring free length		27.9 mm (1.098 in.) 32.5 mm (1.280 in.) 33.5 mm (1.319 in.) 32.5 mm (1.331 in.) 34.2 mm (1.346 in.) 32.5 mm (1.366 in.)
	Governor sleeve plug head thickness		3.0 mm (0.118 in.) 3.1 mm (0.122 in.) 3.2 mm (0.126 in.) 3.3 mm (0.130 in.) 3.4 mm (0.134 in.) 3.5 mm (0.138 in.) 3.6 mm (0.142 in.) 3.7 mm (0.146 in.) 3.8 mm (0.150 in.) 3.9 mm (0.154 in.) 4.0 mm (0.157 in.) 4.1 mm (0.161 in.) 4.2 mm (0.165 in.)