# ENGINE FUEL

## SERVICE DATA

SS06R–03

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|---|---|---|---|---|
| Injection nozzles | Nozzle opening pressure | New nozzle | 15,790 – 16,570 kPa (159 – 171 kgf/cm$^2$, 2,290 – 2,404 psi) | |
| | | Reused nozzle | 15,200 – 16,181 kPa (154 – 166 kgf/cm$^2$, 2,205 – 2,347 psi) | |
| | Adjusting shim thickness | | 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.) | |