# 1ZZ-FE FUEL

## SERVICE DATA

| | | |
|---|---|---|
| Fuel pressure | Standard | 304 to 343 kPa (3.1 to 3.5 kgf/cm$^2$, 44 to 50 psi) |
| Fuel injector assembly | | |
| Resistance (1 - 2) | Standard | 11.6 to 12.4 Ω at 20°C (68°F) |
| Injection volume | | 60 to 73 cm$^3$ (3.6 to 4.5 cu in.) per 15 seconds |
| Difference between each fuel injector | | 13 cm$^3$ (0.9 cu in.) or less |
| Leakage | Standard | 1 drop or less per 12 minutes |
| Fuel pump | | |
| Resistance (1 (+) - 2 (-)) | Standard | 0.2 to 3.0 Ω at 20°C (68°F) |
| Compression spring (Exhaust pipe assembly front x Exhaust manifold) | | |
| Free length | Minimum | 41.5 mm (1.6339 in.) |
| Compression spring (Exhaust pipe assembly tail x Exhaust pipe assembly front) | | |
| Free length | Minimum | 38.5 mm (1.5158 in.) |

# TORQUE SPECIFICATIONS

| Part Tightened | | N*m | kgf*cm | ft*lbf |
|---|---|---|---|---|
| Battery negative terminal x Battery | | 5.4 | 55 | 48 in.*lbf |
| Fuel delivery pipe sub-assembly x Cylinder head sub-assembly | Bolt A | 19 | 194 | 14 |
| | Bolt B | 9.0 | 92 | 80 in.*lbf |
| Cylinder head cover x Cylinder head cover No. 2 | | 7.0 | 70 | 62 in.*lbf |
| Rear seat cushion assembly RH x Body | | 41 | 420 | 30 |
| Fuel tank band No. 1 x Body | | 39 | 400 | 29 |
| Parking brake cable assembly No. 2 x Body | | 5.4 | 55 | 48 in.*lbf |
| Parking brake cable assembly No. 3 x Body | | 5.4 | 55 | 48 in.*lbf |
| Exhaust pipe assembly front x Exhaust manifold | | 43 | 440 | 32 |
| Exhaust pipe assembly front x Exhaust pipe assembly tail | | 43 | 440 | 32 |