# TURBOCHARGING

## SERVICE DATA

SS06P-01

| | | | |
|---|---|---|---|
| Turbocharger | Turbocharging pressure | | 30 – 60 kPa (0.31 – 0.61 kgf/cm$^2$, 4.4 – 8.7 psi) |
| | Turbine wheel axial play | Maximum | 0.13 mm (0.0051 in.) or less |
| | Turbine wheel radial play | Maximum | 0.18 mm (0.0071 in.) or less |
| | Actuator push rod stroke | | 1.20 – 1.70 mm (0.0472 – 0.0669 in.) |
| | Adjusting plate washer | | 0.5 mm (0.020 in.) |
| | | | 1.0 mm (0.039 in.) |
| | | | 2.0 mm (0.079 in.) |
| | | | 3.0 mm (0.118 in.) |

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# TORQUE SPECIFICATION

| Part tightened | | N·m | kgf·cm | ft·lbf |
|---|---|---|---|---|
| Turbocharger actuator x Compressor housing | | 19 | 195 | 14 |
| Bearing housing side plate x Turbocharger | | 7.8 | 80 | 69 in.·lbf |
| Turbo oil pipe x Turbocharger | | 19 | 195 | 14 |
| Turbo water pipe x Turbocharger | Nut | 5.5 | 55 | 49 in.·lbf |
| | Bolt | 12 | 120 | 9 |
| Turbine outlet elbow x Turbocharger | | 26 | 260 | 19 |
| Turbocharger x Exhaust manifold | | 52 | 530 | 38 |
| Turbo oil pipe x Oil filter bracket | | 25.5 | 260 | 19 |
| Exhaust manifold stay x Cylinder block | | 12 | 120 | 9 |
| Exhaust manifold stay x Exhaust manifold | | 19 | 195 | 14 |
| Intake flange x Intake manifold | | 12 | 120 | 9 |

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