032J5–01

# TORQUE SPECIFICATION

## 1KD–FTV:

| Part Tightened | | N·m | kgf·cm | ft·lbf |
|---|---|---|---|---|
| Inlet air temperature sensor x Intarcooler assy | | 29 | 300 | 22 |
| Intarcooler assy x Cylinder head and Intake manifold | Bolt A | 39 | 398 | 29 |
| | Bolt B and C | 12 | 122 | 9.0 |
| Intake air connector x Intercooler assy | | 10 | 102 | 7.0 |
| Air hose No. 1 x Intercooler assy and Diesel throttle body | | 6.0 | 61 | 53 in.·lbf |
| Intercooler protector x Intarcooler assy | | 6.0 | 61 | 53 in.·lbf |
| Turbo water pipe No. 1 x Turbocharger assy | Nut | 12 | 122 | 9.0 |
| | Bolt | 8.0 | 82 | 71 in.·lbf |
| Compressor inlet elbow x Turbocharger assy | | 19 | 194 | 14 |
| Turbo oil inlet pipe x Turobocharger assy | | 13 | 133 | 10 |
| Turbocharger assy x Exhaust manifold | | 52 | 530 | 38 |
| Exhaust manifold w/ Turbocharger assy x cylinder block | Nut A | 52 | 530 | 38 |
| Turbo oil inlet pipe x Cylinder block | Bolt B | 12 | 122 | 9.0 |
| | Bolt C | 26 | 265 | 19 |
| | Bolt D | 24 | 245 | 18 |
| Turbocharger assy x Turbine outlet elbow | | 39 | 398 | 29 |
| Exhaust manifold heat insulator No. 1 x Exhaust manifold | | 12 | 122 | 9.0 |
| Turbo insulator No. 1 x Turbocharger assy | | 12 | 122 | 9.0 |
| TRANSMISSION oil filler tube sub–assy x Turbocharger assy and TRANSMISSION assy | | 12 | 122 | 9.0 |
| Oil level gage guide x Water inlet | | 8.0 | 82 | 71 in.·lbf |
| Ventilation pipe x Cylinder head | | 20 | 204 | 15 |
| Compressor mounting bracket No. 1 x Cylinder block | | 21 | 214 | 16 |
| Compressor mounting bracket No. 1 x Idle pulley assy | | 45 | 459 | 33 |
| Viscous heater bracket sub–assy x Cylinder head | | 47 | 479 | 35 |
| Cooler compressor assy x Compressor mounting bracket No. 1 | | 25 | 250 | 18 |
| Viscous w/ magnet clutch heater assy x Viscous heater assy | | 45 | 459 | 33 |
| Viscous heater assy x Viscous heater bracket No. 2 | | 45 | 459 | 33 |
| Intercooler protector x Intercooler assy | | 7.0 | 71 | 62 in.·lbf |
| Fan shroud x Radiator assy | | 5.0 | 51 | 44 in.·lbf |
| Fan w/fluid coupling assy x Water pump assy | | 18 | 184 | 13 |
| Radiator reserve tank x Radiator assy | | 5.0 | 51 | 44 in.·lbf |
| Engine under cover assy rear x Frame assy | | 29 | 296 | 21 |
| Engine under cover sub–assy No. 1 x Frame assy | | 29 | 296 | 21 |
| Turbocharger stay x Turbocharger assy | | 24 | 245 | 18 |
| Intercooler support bracket No.2 x Cylinder block | | 39 | 398 | 29 |
| Intercooler support bracket x Cylinder block | | 39 | 398 | 29 |
| Intake air connector x Air hose No.2 | | 6.5 | 66 | 58 in.·lbf |
| Air cleaner case sub–assy x body | | 12 | 122 | 9 |
| Diesel turbo pressre sensor x intercooler assy | | 5.0 | 51 | 44 in.·lbf |
| Gas filter No.1 x Intercooler assy | | 6.0 | 61 | 53 in.·lbf |