SERVICE SPECIFICATIONS

SERVICE DATA

Oil pressure		at idle speed	29 kPa (0.3 kgf/cm², 43 psi) or more
		at 3,000 rpm	250 — 588 kPa (2.5 — 6.0 kgf/cm², 36 — 85 psi)
Oil pump	Tip clearance	STD	0.110 — 0.240 mm (0.0043 — 0.0094 in.)
		Maximum	0.30 mm (0.0118 in.)
	Body clearance	STD	0.144 — 0.229 mm (0.0055 — 0.0090 in.)
		Maximum	0.40 mm (0.0157 in.)
	Side clearance	STD	0.035 — 0.090 mm (0.0014 — 0.0035 in.)
		Maximum	0.15 mm (0.0059 in.)
	Drive spline backlash	STD	0.541 — 0.790 mm (0.0213 — 0.0311 in.)
		Maximum	1.00 mm (0.0394 in.)

EG

TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Drain plug x Oil pan	35	360	26
Oil pump body cover x Timing gear case	10	105	8
Relief valve plug x Timing gear case	49	500	36
Oil pump (Timing gear case) x Cylinder block			
12 mm head	21	214	15
14 mm head	44	449	32
Oil pump (Timing gear case) x Injection pump	18.5	189	14
Oil strainer x Oil pump (Timing gear case)	18.5	189	14
Oil strainer x Cylinder block	18.5	189	14
Oil pipe x Oil pump (Timing gear case)	18.5	189	14
Oil pipe x Cylinder block	50	510	37
Oil pan x Cylinder block	18.5	189	14
Oil pan x Oil pump (Timing gear case)	18.5	189	14
Oil pan x Rear oil seal retainer	18.5	189	14
Camshaft timing gear x Camshaft	37.5	382	28
Oil cooler x Oil cooler cover	16	163	12
Oil cooler cover x Cylinder block	21	214	15
Stud bolt x Exhaust manifold	47	480	35
Actuator x Turbocharger	21	214	15
Oil filter bracket x Oil cooler cover	44	449	32
Relief valve plug x Oil filter bracket	49	500	36
Oil nozzle check valve (3B, 14B) x Cylinder block	35	357	26
Oil nozzle check valve (15B—F, 15B—FT) x Cylinder block	30	306	22