Torque Specifications (3S–GTE and 5S–FE)

Part tightened		N·m	kgf–cm	ft–lbf
Engine pan x Drain plug		39	400	29
Oil pump body cover x Oil pump body		8.8	90	78 in.–lbf
Oil pump x Cylinder block	3S–GTE	7.8	80	69 in.–lbf
	5S–FE	9.3	95	82 in.–lbf
Oil strainer x Cylinder block		5.4	55	48 in.–lbf
Oil strainer x Oil pump		5.4	55	48 in.–lbf
Oil pan x Cylinder block		5.4	55	48 in.–lbf
Oil pan x Oil pump		5.4	55	48 in.–lbf
Stiffener plate x Cylinder block		37	380	27
Stiffener plate x Transaxle case		37	380	27
Oil cooler bracket x Cylinder block (3S–GTE)		7.8	80	69 in.–lbf
Oil cooler x Oil cooler bracket (3S–GTE)		78	800	58
Water by–pass pipe x Oil cooler (3S–GTE)		12	120	9
Water by–pass pipe x Oil cooler bracket (3S–GTE)		18	180	13
Oil cooler x Cylinder block (5S–FE)	Relief valve	78	800	58
	Nut	7.8	80	69 in.–lbf
Oil nozzle x Cylinder block		9.1	93	81 in.–lbf

IGNITION SYSTEM

Ignition timing		10° BTDC @ idle (w/ Terminals TE1 and E1 connected)	
Firing order		1–3–4–2	
Spark plug		See page A–2	
High–tension cord	Resistance	25 kΩ per cord	
Ignition coil	Primary coil resistance (Cold) 4A–FE 3S–GTE and 5S–FE Secondary coil resistance (Cold)	 1.1–1.7 Ω 0.3–0.6 Ω 9–15Ω	
Distributor	Air gap	0.2 – 0.4 m m	0.008–0.016 in.
	Signal generator (pickup coil) resistance (Cold) 4A–FE 3S–GTE G1 – G (–) G2 – G (–) NE –G (–) 5S–FE G (+)– G (–) NE (+) – NE (–)	 185 – 265 Ω 125 – 190 Ω 125 – 190 Ω 155 – 240 Ω 185 – 265 Ω 370 – 530 Ω	