IGNITION

SERVICE DATA

SSDBA–01

High–tension cord	Resistance	Maximum	25 kΩ per cold
Spark plug	Recommended spark plug	IRZ ND	W16EX–U
		NGK	BP5EY
		1RZ–E ND	W16EXR–U
		NGK	BPR5EY
		2RZ–FE, 3RZ–F, 3RZ–FE ND	K16R–U
		NGK	BKR5EYA
	Correct electrode gap for new spark plug		0.8 mm (0.031 in.)
IIA (1RZ)	Ignition coil		
	Primary coil resistance	at cold	1.12 – 1.68 Ω
		at hot	1.42 – 1.98 Ω
	Secondary coil resistance	at cold	9.6 – 14.4 kΩ
		at hot	12.2 – 17.0 kΩ
	Distributor		
	Air gap		0.2 – 0.4 mm (0.008 – 0.016 in.)
	Pickup coil NE⊕ – NE⊖	at cold	185 – 275 Ω
		at hot	240 – 325 Ω
IIA (1RZ–E)	Ignition coil		
	Primary coil resistance	at cold	1.12 – 1.68 Ω
		at hot	1.42 – 1.98 Ω
	Secondary coil resistance	at cold	9.6 – 14.4 kΩ
		at hot	12.2 – 17.0 kΩ
	Distributor		
	Air gap		0.2 – 0.4 mm (0.008 – 0.016 in.)
	Pickup coil NE⊕ – NE⊖	at cold	370 – 550 Ω
		at hot	475 – 650 Ω
Ignition coil (3RZ–F)	Primary coil resistance	at cold	0.36 – 0.55 Ω
		at hot	0.45 – 0.65 Ω
	Secondary coil resistance	at cold	9.0 – 15.4 kΩ
		at hot	11.4 – 18.1 kΩ
Distributor (3RZ–F)	Air gap		0.2 – 0.4 mm (0.008 – 0.0016 in.)
	Signal generator (pickup coil) resistance		
		at cold	185 – 275 Ω
		at hot	240 – 325 Ω
Ignition coil (2RZ–FE, 3RZ–FE)	Resistance Secondary	at cold	9.7 – 16.7 kΩ
		at hot	12.4 – 19.6 kΩ
Camshaft position sensor	Resistance	at cold	835 – 1,400 Ω
		at hot	1,060 – 1,645 Ω
Crankshaft position sensor	Resistance	at cold	1,630 – 2,740 Ω
		at hot	2,065 – 3,225 Ω

SS0BB–01

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Spark plug x Cylinder head		20	200	14
Ignition coil x Cylinder head	2RZ–FE:, 3RZ–FE:	10	100	7
Camshaft position sensor x Cylinder head	2RZ–FE:, 3RZ–FE:	5.4	55	48 in.·lbf
Crankshaft position sensor x Oil pump	2RZ–FE:, 3RZ–FE:	8.5	85	74 in.·lbf