

IGNITION

SERVICE DATA

SS06A-01

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