

ENGINE CONTROL SYSTEM

SERVICE DATA

032B2-01

2AZ-FE:

Camshaft timing oil control valve assy Resistance	1 (+B) – 2 (GND)	6.9 to 7.9 Ω at 20°C (68°F)
Mass air flow meter Resistance	4 (THA) – 5 (E2)	13.6 to 18.4 Ω at -20°C (-4°F) 2.21 to 2.69 Ω at 20°C (68°F) 0.493 to 0.667 Ω at 60°C (140°F)
Engine coolant temperature sensor Resistance	1 (E2) – 2 (THW)	2.32 to 2.59 Ω at 20°C (68°F) 0.310 to 0.326 Ω at 80°C (176°F)
Throttle body assy Resistance	1 (M-) – 2 (M+)	03 to 100 Ω at 20°C (68°F)
Knock sensor Resistance	1 (Ground) – 2 (Output)	120 to 280 Ω at 20°C (68°F)
Accelerator pedal assy Resistance	3 (EP1) – 6 (VCP1) 1 (EP2) – 4 (VCP2)	1.5 to 6.0 k Ω 1.5 to 6.0 k Ω
Main relay Resistance	3 – 5	10 k Ω or higher Below 1 Ω (Apply battery voltage to terminal 1 and 2)
Circuit opening relay Resistance	3 – 5	10 k Ω or higher Below 1 Ω (Apply battery voltage to terminal 1 and 2)