

ENGINE CONTROL SYSTEM

SERVICE DATA

030AH-01

1AZ-FE

Power steering oil pressure sensor Voltage	Not spin the steering wheel at engine idling Spin the steering wheel at engine idling	9 - 14V 0 - 3V
Idle speed control valve assy Movement		Half open → fully close → fully open → half open
Intake air flow meter assy Resistance	at -20°C(-4°F) at 20°C(68°F) at 60°C(140°F)	13.6-18.4kΩ 2.21-2.69kΩ 0.493-0.667kΩ
Camshaft timing oil control valve assy Resistance	at 20 °C (68 °F)	6.9 - 7.9 Ω
Throttle position sensor Resistance	VC - E2	2.5 - 5.0 kΩ
EFI engine coolant temperature sensor Resistance	Approx. 20°C (68°F) Approx. 80°C (176°F)	2.32-2.59kΩ 0.310-0.326kΩ

1CD-FTV

Intake air flow meter assy Resistance	at -20°C(-4°F) at 20°C(68°F) at 60°C(140°F)	12.5 - 16.9 kΩ 2.19 - 2.67 kΩ 0.50 - 0.68 kΩ
Intake shutter assy Resistance	at 20°C(68°F) 2 - 1, 3 5 - 4, 6	18 - 22 Ω 18 - 22 Ω
Diesel engine coolant temperature sensor Resistance	Approx. 20°C (68°F) Approx. 80°C (176°F)	2.32 - 2.59 kΩ 0.310 - 0.326 kΩ
Fuel temperature sensor Resistance	Approx. 20°C (68°F) Approx. 80°C (176°F)	2.21 - 2.69 kΩ 0.287 - 0.349 kΩ
Diesel turbo inlet air temperature sensor Resistance	Approx. 20°C (68°F)	2.21 - 2.65 kΩ
Crank position sensor Resistance	cold hot	1630 - 2740 Ω 2065 - 3225 Ω
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