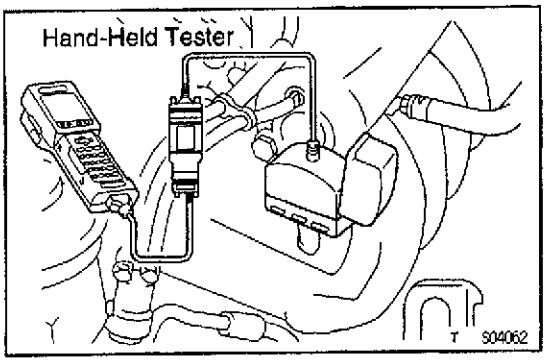


REFERENCE VALUE OF ENGINE ECU DATA

EG3G2-0P

HINT: Engine ECU data can be monitored by hand–held tester.

1. Hook up the hand–held tester to the check connecter.
2. Monitor engine ECU data by following the prompts on the tester screen. Please refer to the hand – held tester operator's manual for further details.

REFERENCE VALUE FOR ENGINE ECU DATA (Engine at normal operating temp.

EG3B8-07

Item	Inspection condition	Reference value
INJECTOR	Engine cold to hot	Gradually decreases
	Engine idling at normal operating temp. *1	Approx. 2.1 – 3.6 msecs
IGNITION	Increase engine speed	Gradually increases
ISC DUTY	Engine idling at normal operating temp. *1	Approx 24.8 – 50 %
	A/C switch ON	Duty ratio incveases
	A/T shifting in "D" position	Duty ratio incveases
ENGINE SPD	RPM kept stable (Comparison with tachometer)	No great changes
AIR FLOW	Engine idling at normal operating temp. *1	3.8 – 5.5 g/sec.
	Increase engine speed	Gradually increases
COOLANT TEMP.	Engine at normal operating temp.	75 – 95°C (185 – 203°F) *2
THROTTLE	Closed throttle position	Below 5°
	Wide open throttle	Above 70°
	From closed throttle position to wide open throttle	Gradually increases
VEHICLE SPD	During driving (Comparison with speedometer)	No large differences
TARGET A/F	Engine idling at normal operating temp.	2.50±1.25 V *3
A/F FB LEFT	RPM stable at 2,500 rpm with normal operating temp.	ON
KNOCK FB	Depress throttle pedal suddenly during idling	ON
STA SIGNAL	During cranking	ON
IDL SIGNAL	Closed throttle position	ON
A/C SIGNAL	A/C switch ON	ON
NSW SIGNAL	When shifting from "P" or "N" position into a position other than "P" or "N".	GEAR
OxL	RPM stable at 2,500 rpm with normal operating temp.	RICH LEAN is repeated.

*1: All accessories and A/C are switch OFF.

*2: If the water temperature sensor circuit is open or shorted, the engine ECU assumes an engine coolant temp. value of 80°C (176°F).

*3: When feedback control is forbidden, 0 V is displayed.