

THROTTLE POSITION SENSOR SYSTEM

ST Data Monitor Display

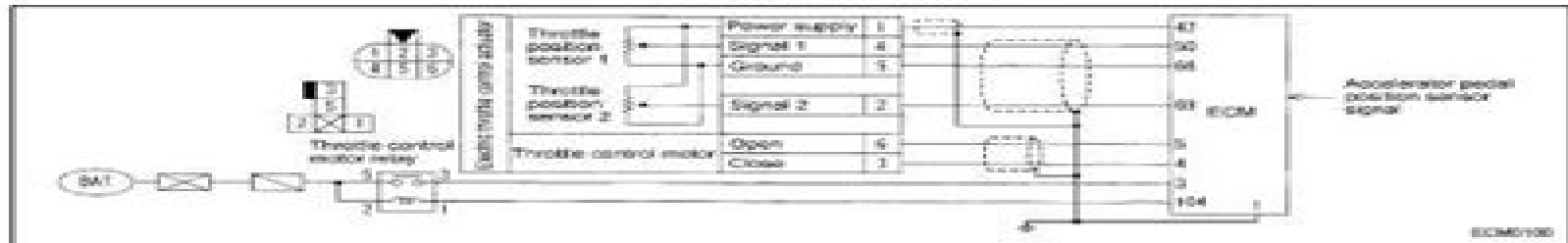
Monitor item	At idle after warming up	At approx. 2,000 rpm
Throttle	Approx. 0.5 - 0.55V	Approx. 0.65 - 0.7V

ECM Input/Output Signal Specifications

Measure voltage between terminals shown below and ground using a circuit tester.

Terminal	Signal name	At idle after warming up	At approx. 2,000 rpm
66	Sensor ground (Throttle position sensor)	Approx. 0V	
47	Sensor power supply (Throttle position sensor)	Approx. 5V	
50	Throttle position sensor 1	Approx. 0.6V	Approx. 0.7V
69	Throttle position sensor 2	Approx. 4.5V	Approx. 4.4V

Circuit Diagram



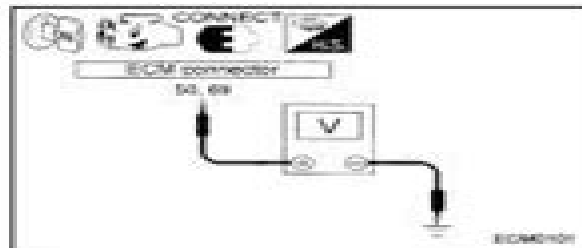
Component Parts Inspection

THROTTLE POSITION SENSOR 1, 2 (ELECTRIC THROTTLE CONTROL ACTUATOR ASSEMBLY)

Check voltage between ECM terminal 50, 69 and ground. Refer to (EC-35), "ECM Input/Output Signal Specifications" for the voltage.

CAUTION:

- Make sure that there is no moisture around connector when removing and installing throttle position sensor connector. If there are any water drops, completely wipe them off.
- Do not apply voltage to throttle position sensor terminal.
- Perform "Throttle Valve Closed Position Learning" if disconnecting connector. Perform "Throttle Valve Closed Position Learning and Idle Air Volume Learning" if replacing electric throttle control actuator. (Refer to (EC-13), "Throttle Valve Closed Position Learning and Idle Air Volume Learning".)
- Do not disassemble electric throttle control actuator.



20cougar Service Manual

K Morrison



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