

1997 GMC Pickup K1500

I - SYSTEM/COMPONENT TESTS - 5.7L 1997 ENGINE PERFORMANCE General Motors Corp. - System & Component Testing - 5.7L

ENGINE COOLANT TEMPERATURE (ECT) SENSOR

If a coolant sensor-related code is present, see the **TESTS W/CODES - 5.7L** article. An out-of-calibration sensor may not set a trouble code. Use following procedure to test sensor calibration. Disconnect ECT sensor connector. Measure resistance between sensor terminals. Resistance should be high when engine is cold and drop as engine warms. See **ECT SENSOR RESISTANCE VALUES** table.

ECT SENSOR RESISTANCE VALUES

Temperature °F (°C)	Resistance (Ohms)
212 (100)	177
158 (70)	467
100 (38)	1800
68 (20)	3520
23 (-5)	12,300
0 (-18)	25,000
-40 (-40)	100,700

NOTE: Intake Air Temperature (IAT) sensor is also referred to as Manifold Air Temperature (MAT) sensor.