

Possible Causes:

- IAT circuit intermittent open
- IAT circuit intermittent short to voltage
- IAT circuit intermittent short to ground
- Damaged IAT sensor
- Damaged harness connector
- Damaged harness

Diagnostic Aids: Monitor the IAT PID on a scan tool. Look for sudden changes in the reading when the harness is wiggled or the sensor is tapped.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test DA .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1116 - ENGINE COOLANT TEMPERATURE (ECT) SENSOR OUT OF SELF-TEST RANGE - DTC CHART

P1116 - ENGINE COOLANT TEMPERATURE (ECT) SENSOR OUT OF SELF-TEST RANGE - DTC CHART

Description: This DTC sets when the ECT sensor is out of self-test range. The correct range is 0.3 to 3.7 volts.

Possible Causes:

- Overheating condition
- Damaged thermostat
- Damaged ECT sensor
- Low engine coolant
- Damaged ECT harness connector

Diagnostic Aids: The engine coolant temperature must be greater than 10°C (50°F) to pass the key ON engine OFF (KOEO) self-test and greater than 82°C (180°F) to pass the key ON engine running (KOER) self-test.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test DX .		