

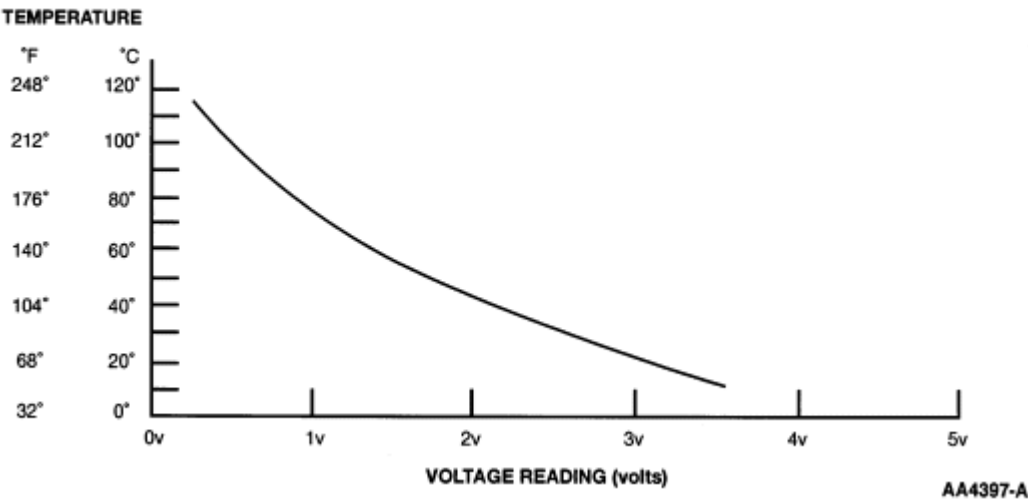
DU: Intake Air Temperature 2 (IAT2) Sensor Introduction

[DU: Pinpoint Tests](#) ➔

This pinpoint test is intended to diagnose the following:

- intake air temperature 2 (IAT2) sensor (12A697)
- harness circuits: IAT2 and SIGRTN
- powertrain control module (PCM) (12A650)

Voltage values calculated for VREF = 5 volts. These values can vary by 15% due to sensor and VREF variations.

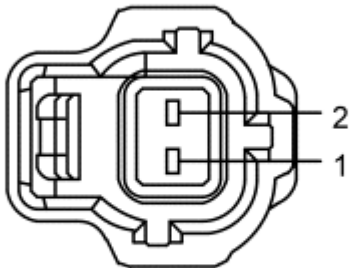


TEMPERATURE SENSOR VOLTAGE AND RESISTANCE SPECIFICATIONS

Temperature		Temperature Sensor Values	
°C	°F	Voltage	Resistance (K ohms)
120	248	0.28	1.18
110	230	0.36	1.55
100	212	0.47	2.07
90	194	0.61	2.80
80	176	0.80	3.84
70	158	1.05	5.37
60	140	1.37	7.70
50	122	1.77	10.97
40	104	2.23	16.15
30	86	2.74	24.27
20	68	3.26	37.30
10	50	3.73	58.75
0	32	4.14	95.85

-10	14	4.45	160.31
-----	----	------	--------

Intake Air Temperature 2 (IAT2) Sensor Connector



A0077547

Pin	Circuit
2	SIGRTN (Signal Return)
1	IAT2 (Intake Air Temperature 2)

Powertrain Control Module (PCM) Connector

Connector	Pin	Circuit
170 Pin	B41, E58, T41	SIGRTN
	B40, E57 E27	VREF IAT2