

DJ: Air Conditioning Evaporator Temperature (ACET) Sensor Introduction

DJ: Pinpoint Tests →

This pinpoint test is intended to diagnose the following:

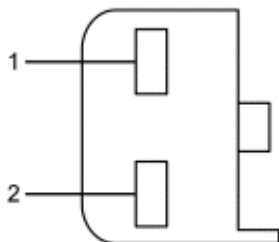
- ACET sensor (19C734)
- harness circuits: ACET and SIGRTN
- powertrain control module (PCM) (12A650)

Air Conditioning Evaporator Temperature (ACET) Sensor

°C	°F	Voltage	Resistance (K ohms)
100	212	0.47	2.08
90	194	0.61	2.8
80	176	0.80	3.84
70	158	1.05	5.34
60	140	1.37	7.55
50	122	1.77	10.93
40	104	2.23	16.11
30	86	2.74	24.25
20	68	3.26	37.34
10	50	3.73	58.99
0	32	4.14	95.85
-10	14	4.45	160.31
-20	-4	4.66	276.96

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

Air Conditioning Evaporator Temperature (ACET) Sensor Connector



N0072971

Pin	Circuit
-----	---------

1	SIGRTN (Signal Return)
2	ACET (Air Conditioning Evaporator Temperature)

Powertrain Control Module (PCM) Connector

For PCM connector views or reference values, refer to [Section 6](#).

Connector	Pin	Circuit
140 Pin	B33, E57	VREF SIGRTN
	B58, E58	ACET
	B53	

DJ: Pinpoint Tests →
