

HV: Cooling Fan Clutch Introduction

[HV: Pinpoint Tests](#) →

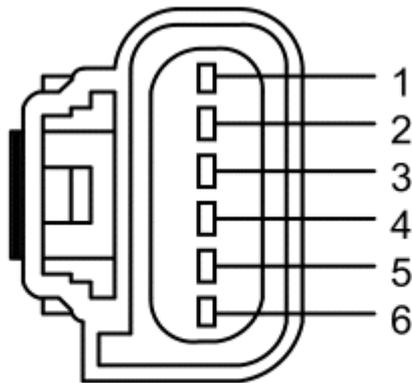
WARNING: TO AVOID THE POSSIBILITY OF PERSONAL INJURY OR DAMAGE TO THE VEHICLE, DO NOT OPERATE THE ENGINE UNTIL THE FAN BLADE HAS BEEN FIRST EXAMINED FOR POSSIBLE CRACKS AND SEPARATION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY OR DEATH.

Note: Before starting this pinpoint test, turn the clutch fan assembly by hand and check for mechanical binding around the fan shroud or surrounding components. If binding is present, correct the problem then continue with the pinpoint test. If no binding is present, start the engine and warm up to normal operating temperature then continue with the pinpoint test.

This pinpoint test is intended to diagnose the following:

- cooling fan clutch
- harness circuits: fan speed sensor (FSS), FSS PWRGND, FSS VPWR, fan control variable (FCV), and FCV VPWR
- powertrain control module (PCM) (12A650)

Cooling Fan Clutch Connector



A0077520

Pin	Circuit
4	FSS (Fan Speed Sensor)
5	PWRGND (Power Ground)
3	VPWR (Vehicle Buffered Power)
2	VPWR (Vehicle Power)
6	FCV (Fan Control Variable)

Powertrain Control Module (PCM) Connector

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

Vehicle	Pin	Circuit
Explorer, Explorer Sport Trac, Mountaineer	B35, B36 E24 B47, B48, B49, B50 E20 E7	VPWR FSS PWRGND VBPWR FCV
All other vehicles	B67, B68 B12 B22, B69, B70 B1 B34	VPWR FSS PWRGND VBPWR FCV

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