

KF: Fan Control (FC) Relays Introduction

[KF: Pinpoint Tests](#) ➔

This pinpoint test is intended to diagnose the following:

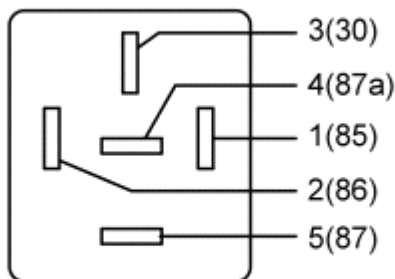
- low, medium and high fan control relays
- harness circuits: HFC, LFC, MFC and VPWR
- powertrain control module (PCM) (12A650)

Three Speed Fan Operation

Although the PCM output circuits are called low, medium and high fan control (FC), cooling fan operation is controlled by a combination of these outputs.

Refer to Section 1, [Engine Control Components](#).

Low Fan Control (LFC) Relay Connector

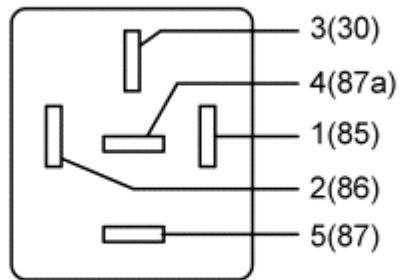


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Pin	Circuit
2	LFC (Low Fan Control)
1	VPWR (Vehicle Power)

NOTE: The VPWR and LFC circuits may be reversed in the harness connector. Also, the LFC circuit may be wired to two separate relays. Refer to the Wiring Diagrams Manual for additional information.

Medium Fan Control (MFC) Relay Connector

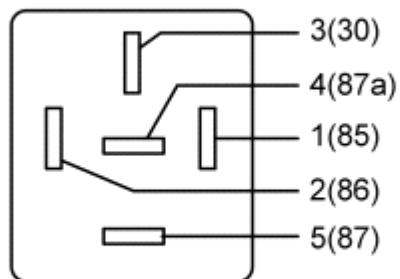


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Pin	Circuit
2	MFC (Medium Fan Control)
1	VPWR (Vehicle Power)

NOTE: The VPWR and MFC circuits may be reversed in the harness connector. Also, the MFC circuit may be wired to two separate relays. Refer to the Wiring Diagrams Manual for additional information.

High Fan Control (HFC) Relay Connector



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Pin	Circuit
2	HFC (High Fan Control)
1	VPWR (Vehicle Power)

NOTE: The VPWR and HFC circuits may be reversed in the harness connector. Also, the HFC circuit may be wired to two separate relays. Refer to the Wiring Diagrams Manual for additional information.

Powertrain Control Module (PCM) Connector

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

Vehicle	Pin	Circuit
Mustang	E4	HFC
	E7	LFC
Ranger	E7	LFC
All other vehicles	B18	HFC
	B34	LFC

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