

PCM Service Update

Information on Electrical Connections at MEFI Relays

#SUP2003-04

June 2003

Engines Affected: 5.7L Excalibur 2002-2003

In an effort to deliver good customer service, and provide the best technical information available, we are providing you with some information that may assist you in future engine diagnostics. As additional information is gathered related to this condition, it will be disseminated to the dealer network.

There have been some reported cases of failed electrical connections at the MEFI relays (system, fuel pump, starter) on some 2002 and 2003 5.7L Excalibur engines. Although the failure rate is very low, this is an informational update to make you aware of the symptoms, the cause, and the repair procedures to correct the problem, if encountered.

Due to the low percentage of failures, we do not feel that an inspection is necessary unless the engine has exhibited any of the following symptoms. THIS IS NOT A RECALL.

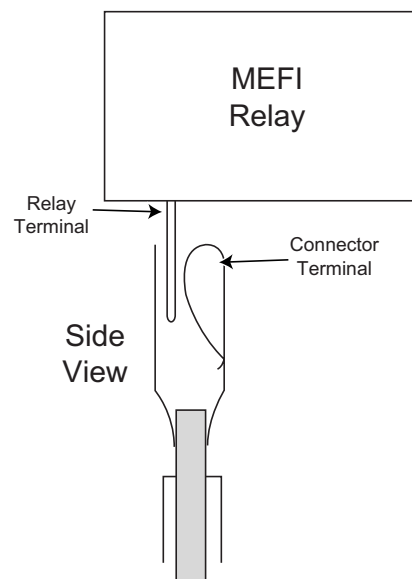
SYMPTOMS:

- Hard Starting
- Stalling
- Intermittent Engine Operation
- Engine Will Not Start (Fuel pumps not running)

Because there are many conditions that may cause these symptoms, normal diagnostics should not be overlooked. If these symptoms are experienced, first evaluate the relay connections per the procedures on the next page under "REPAIR PROCEDURE." If the connections are determined to be good, proceed with normal diagnostic procedures.

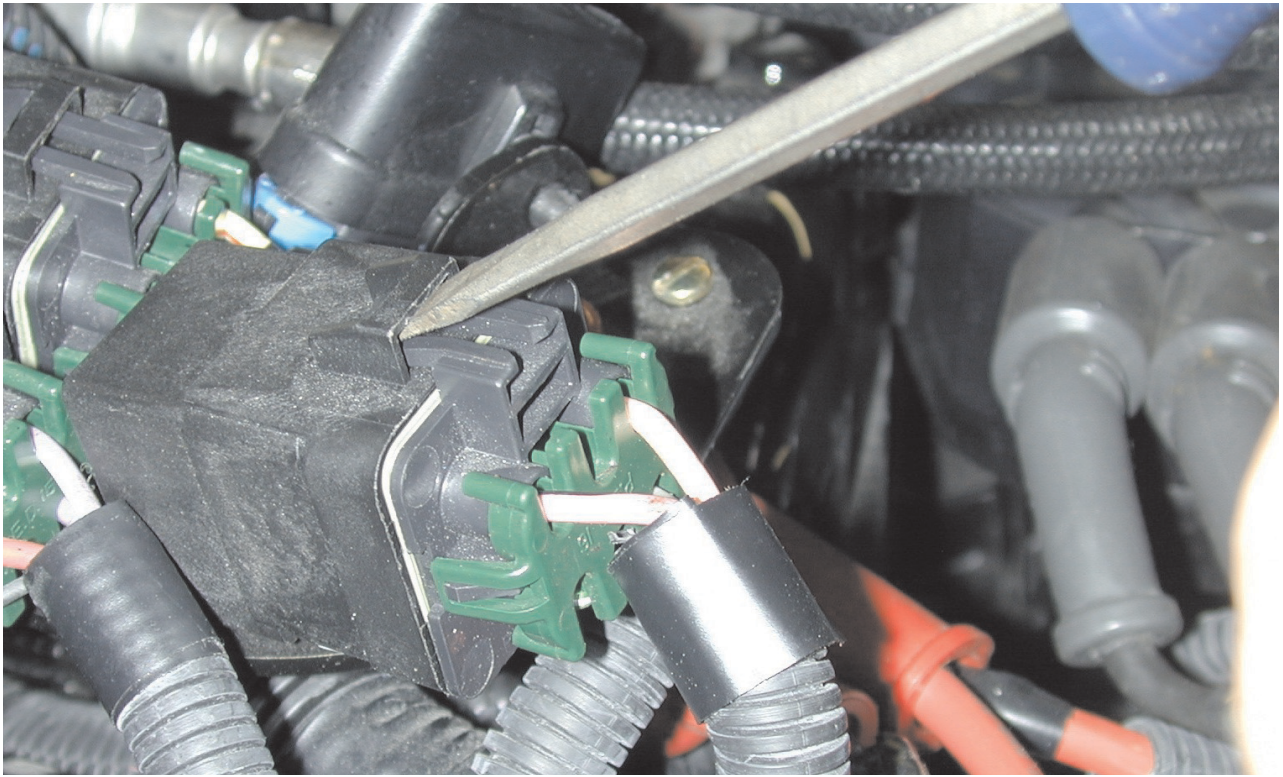
CAUSE:

Improper mating connection between the connector terminals and the MEFI relay terminals. Some terminals on the MEFI relay connector may have been damaged during assembly procedures.

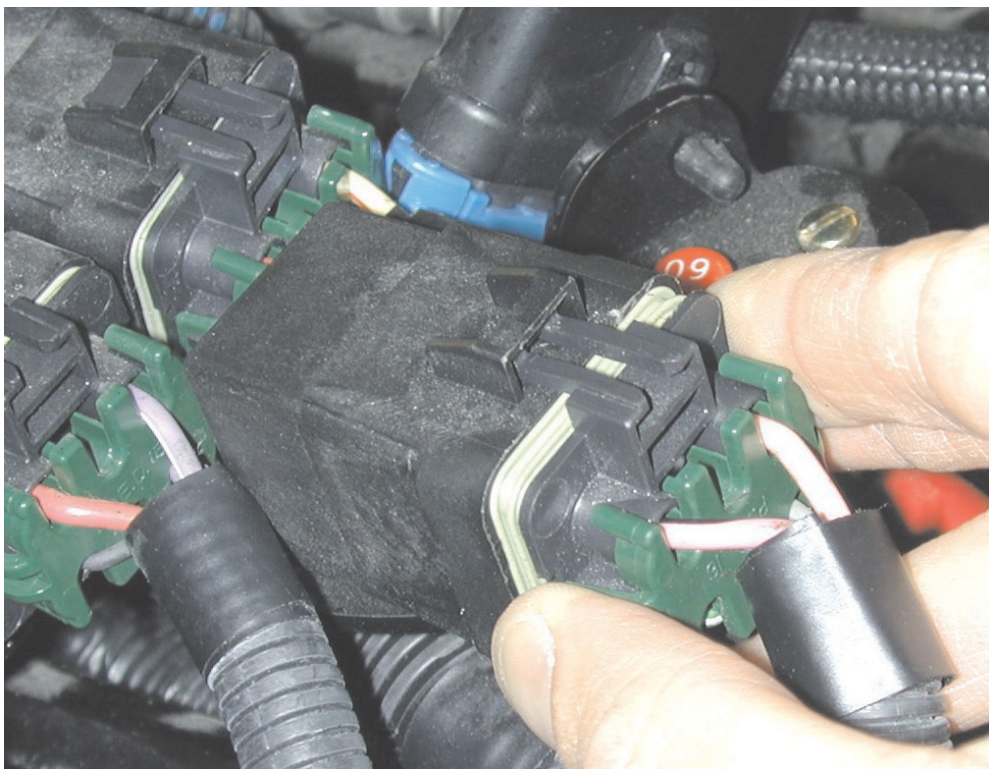


REMOVING CONNECTOR FROM RELAY HOUSING:

1. Insert small screwdriver as illustrated. Carefully pry the connector lock down and out of the relay tab.

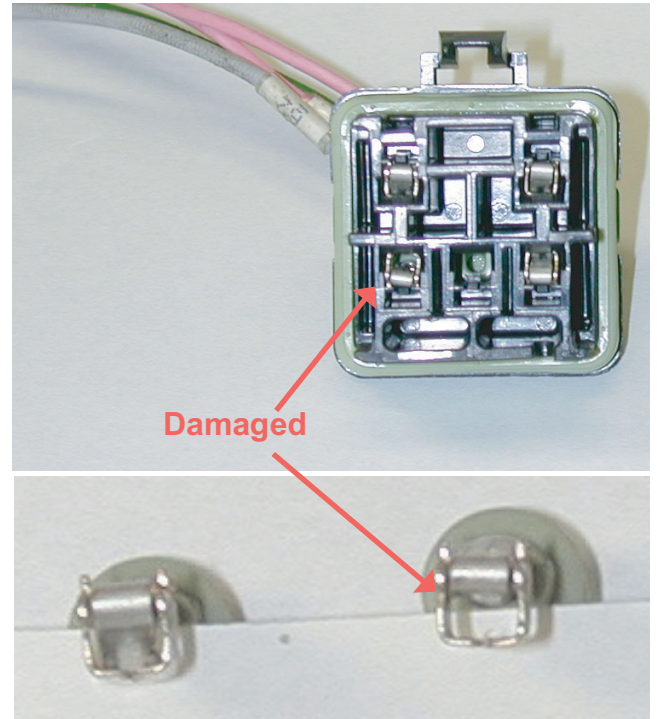


2. Carefully remove the connector base from the relay housing.

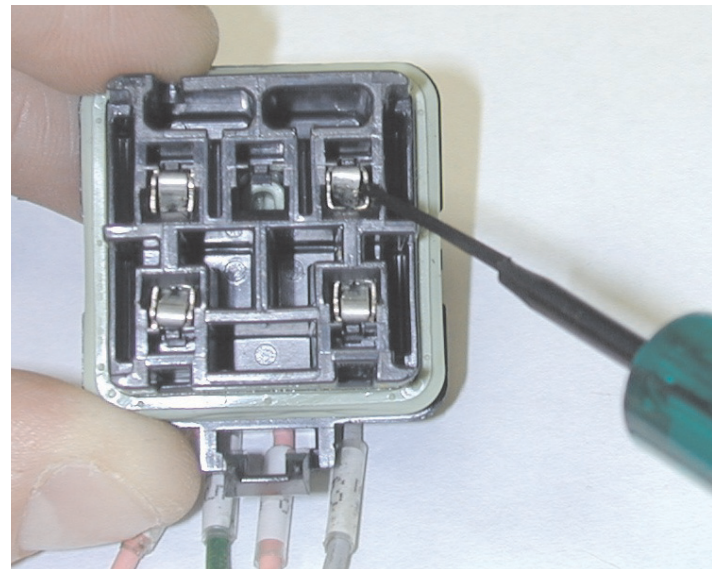


REPAIR PROCEDURE:

1. Remove the suspect relay connector from the relay.
2. Visually inspect the terminals in the connector housing. The illustration represents a normal and a damaged terminal.



3. If the terminal is considered to be damaged, it can be repaired without replacing the terminal or connector.
4. Using a small pick, simply insert the pick as illustrated, and bend the terminal back into shape.



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