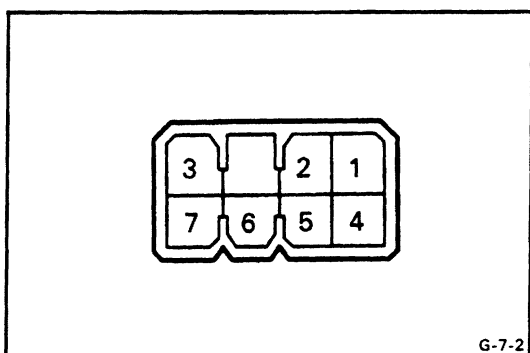
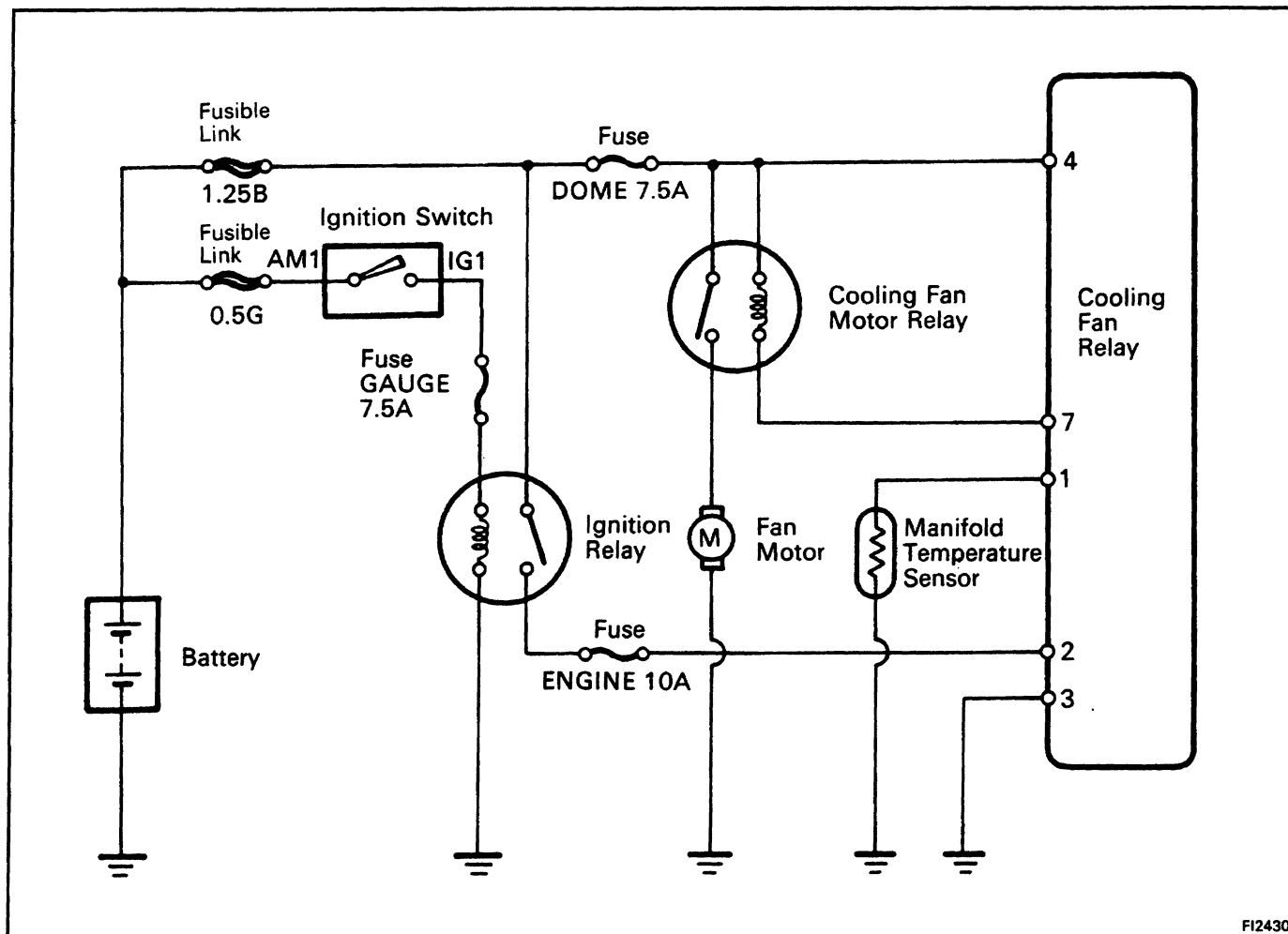


ENGINE COMPARTMENT COOLING FAN

ENGINE COMPARTMENT COOLING FAN CIRCUIT



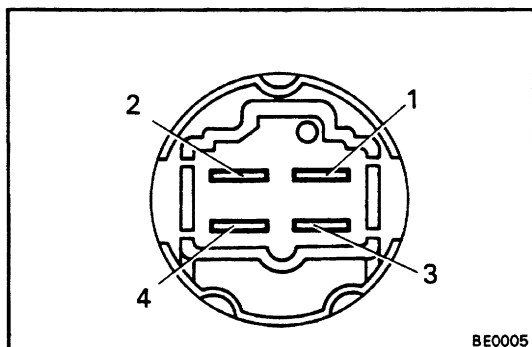
INSPECTION OF ENGINE COMPARTMENT COOLING FAN COMPONENTS

Cooling Fan Relay

INSPECT COOLING FAN RELAY CIRCUIT

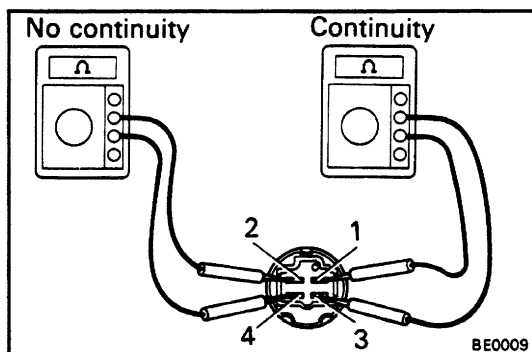
- Remove the driver's cowl side trim.
- Disconnect the relay connector and inspect the connector on wire harness side as shown in the chart below.

Check for	Between terminals	Condition	Specified value
Continuity	1 - Body ground	Always	Continuity
Voltage	2 - Body ground	Ignition switch ON	Battery voltage
Continuity	3 - Body ground	Always	Continuity
Voltage	4 - Body ground	Always	Battery voltage
Voltage	7 - Body ground	Fan motor does not operate	Battery voltage



Cooling Fan Motor Relay

LOCATION: Inside of the driver's cowl side trim.

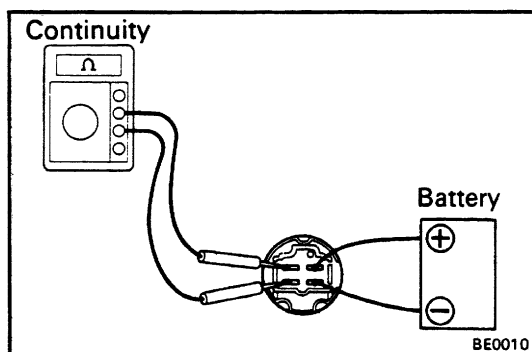


INSPECT COOLING FAN MOTOR RELAY

A. Inspect relay continuity

- (a) Check that there is continuity between terminals 1 and 3.
- (b) Check that there is no continuity between terminals 2 and 4.

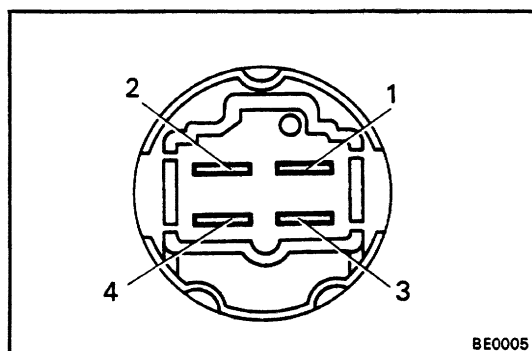
If continuity is not as specified, replace the relay.



6. Inspect relay operation

- (a) Apply battery voltage across terminals 1 and 3.
- (b) Check that there is continuity between terminals 2 and 4.

If operation is not as described, replace the relay.

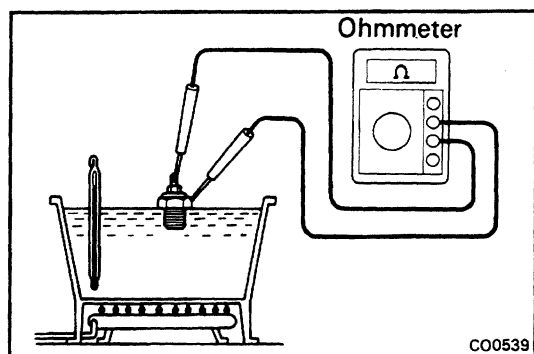


Ignition relay

LOCATION: Under the instrument panel on the driver's side.

INSPECT IGNITION RELAY

(Refer to the cooling fan motor relay)



Manifold Temperature Sensor–

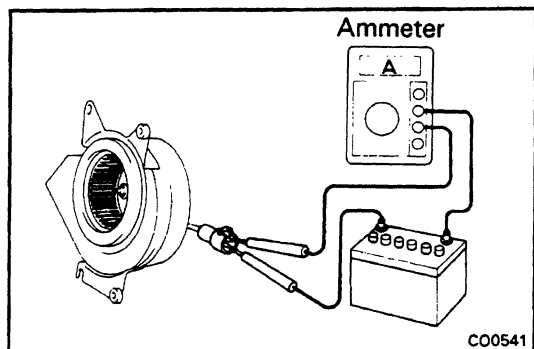
LOCATION: Near the intake chamber.

INSPECT MANIFOLD TEMPERATURE SENSOR

Using an ohmmeter, measure the resistance of the temperature sensor terminals.

Oil temperature °C (°F)	Resistance (Ω)
90°C (194°F)	Approx. 4 k Ω
110° (230°F)	Approx. 2 k Ω

If each resistance value is not as shown in the table above, replace the temperature sensor.

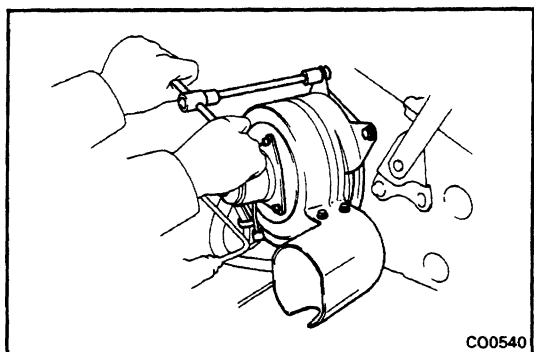


Fan Motor

INSPECT FAN MOTOR

- Remove the shroud.
- Connect the battery and ammeter to the fan motor connector.
- Check to see that the motor rotates smoothly, and current is as follows:

Current: 2.8 – 3.8 A



REMOVAL OF ELECTRIC COOLING FAN

- DISCONNECT FAN MOTOR CONNECTOR
- DISCONNECT LH HOOD LOCK BALANCER
- REMOVE ELECTRIC COOLING FAN

Remove the four bolts and cooling fan.

INSTALLATION OF ELECTRIC COOLING FAN

- INSTALL ELECTRIC COOLING FAN
- CONNECT LH HOOD LOCK BALANCER
- CONNECT FAN MOTOR CONNECTOR