

COOLING SYSTEM

REFER TO 3F ENGINE REPAIR MANUAL (Pub. No. 36253E)

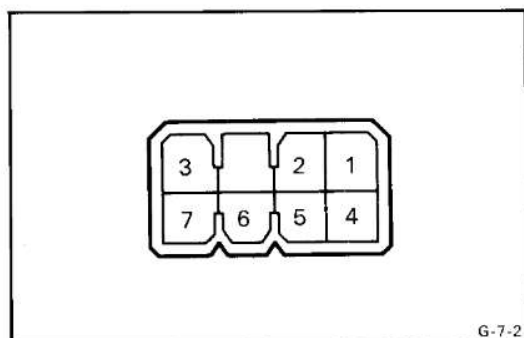
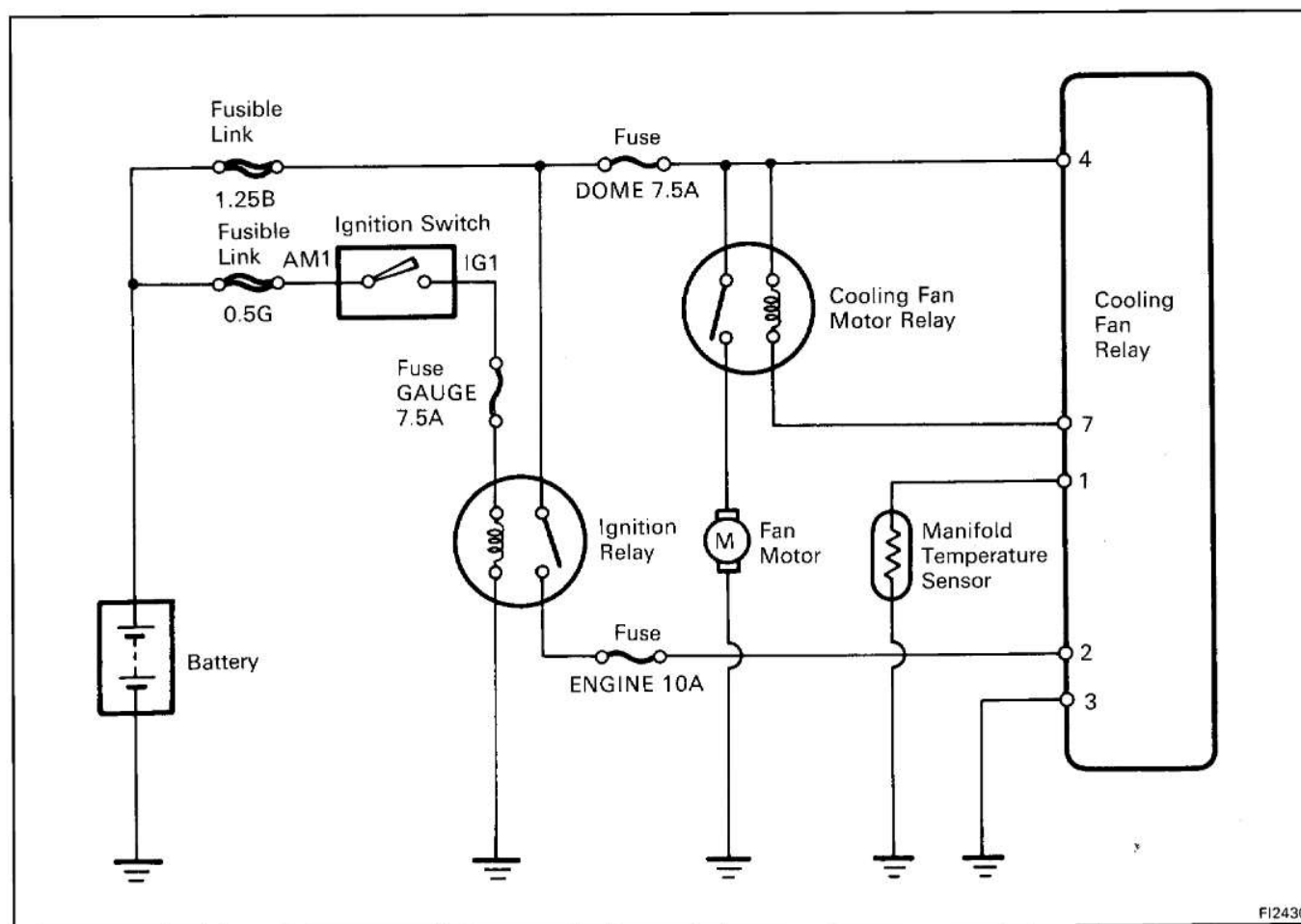
NOTE: The following pages contain only the points which differ from the above listed manual.

	Page
ENGINE COMPARTMENT COOLING FAN	CO-2

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ENGINE COMPARTMENT COOLING FAN

ENGINE COMPARTMENT COOLING FAN CIRCUIT



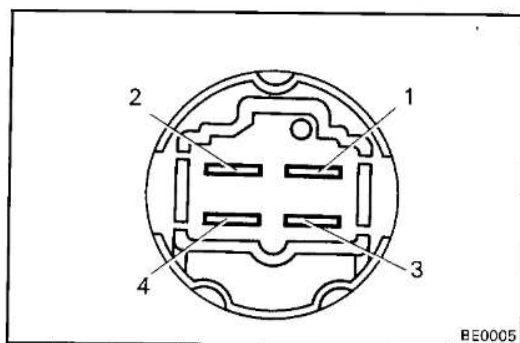
INSPECTION OF ENGINE COMPARTMENT COOLING FAN COMPONENTS

Cooling Fan Relay

INSPECT COOLING FAN RELAY CIRCUIT

- (a) Remove the driver's cowl side trim.
- (b) 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

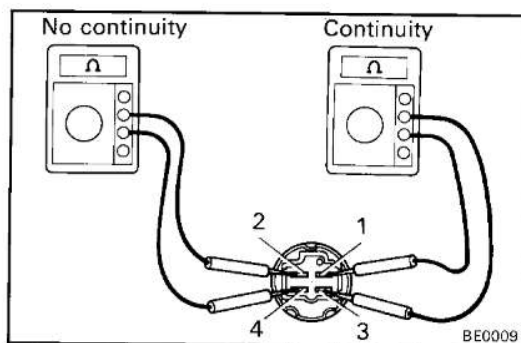
LOCATION: Inside of the driver's cowl side trim.

INSPECT COOLING FAN MOTOR RELAY

A. Inspect relay continuity

- Check that there is continuity between terminals 1 and 3.
- Check that there is no continuity between terminals 2 and 4.

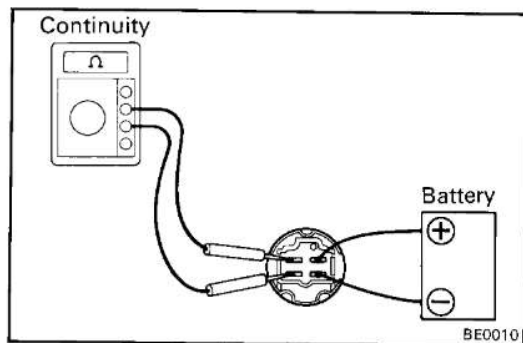
If continuity is not as specified, replace the relay.



B. Inspect relay operation

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

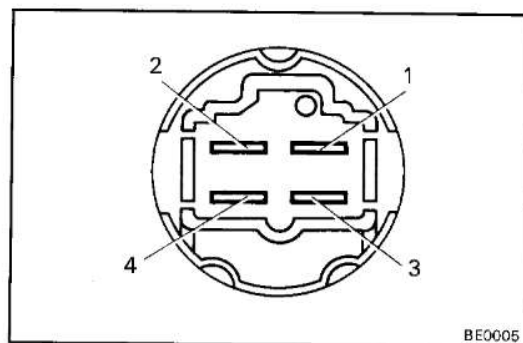
If operation is not as described, replace the relay.

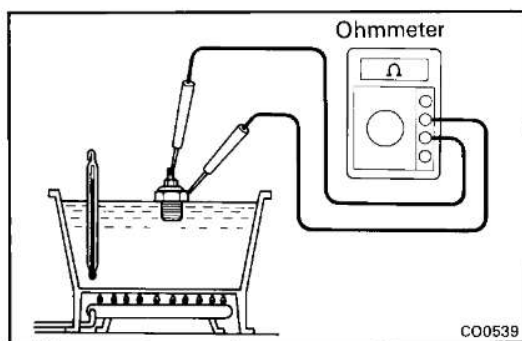


Ignition relay

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

INSPECT IGNITION RELAY
(Refer to the cooling fan motor relay)





Manifold Temperature Sensor

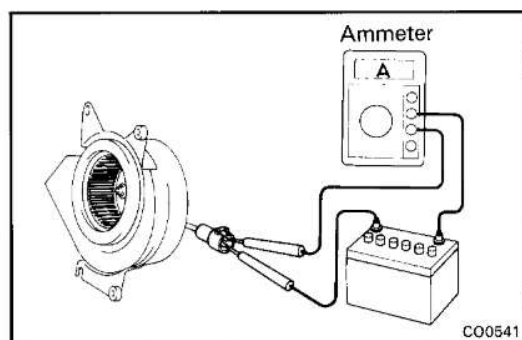
LOCATION: Near the intake chamber.

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 kΩ
110°C (230°F)	Approx. 2 kΩ

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

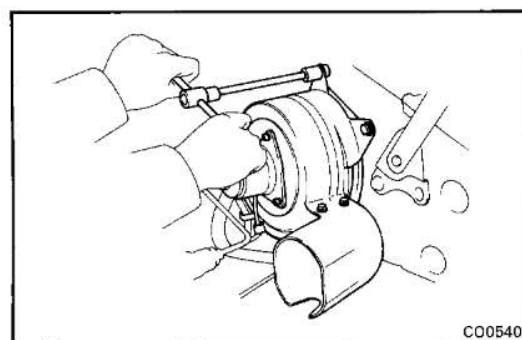


Fan Motor

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**