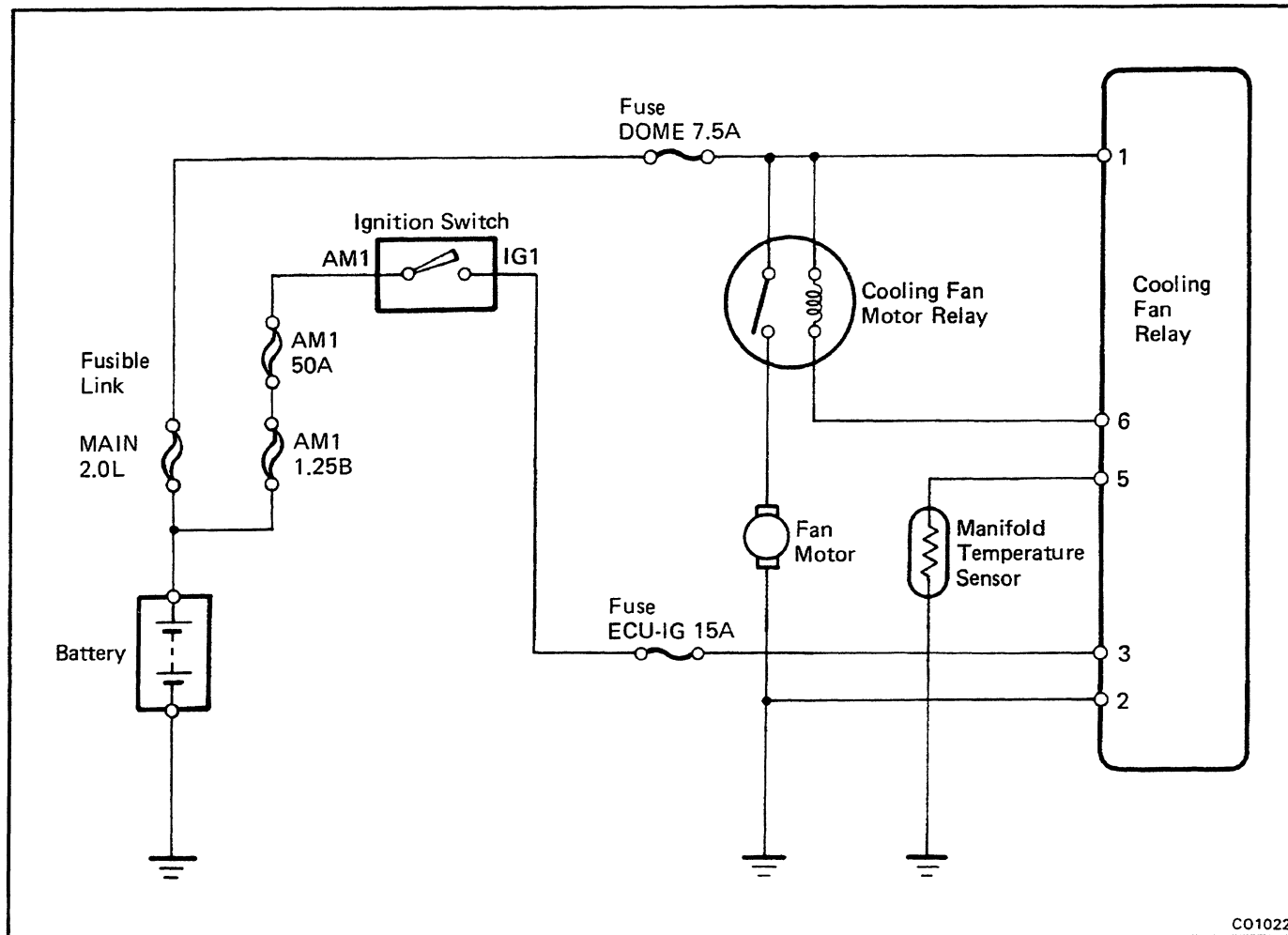
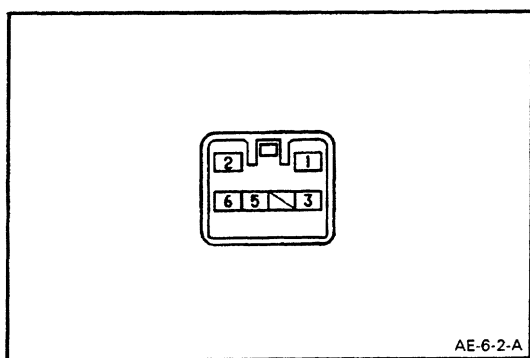


ENGINE COMPARTMENT COOLING FAN

ENGINE COMPARTMENT COOLING FAN CIRCUIT



C01022



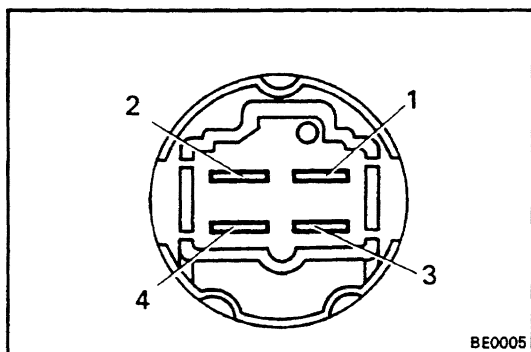
INSPECTION OF ENGINE COMPARTMENT COOLING FAN COMPONENTS

Cooling Fan Relay

INSPECT COOLING FAN RELAY CIRCUIT

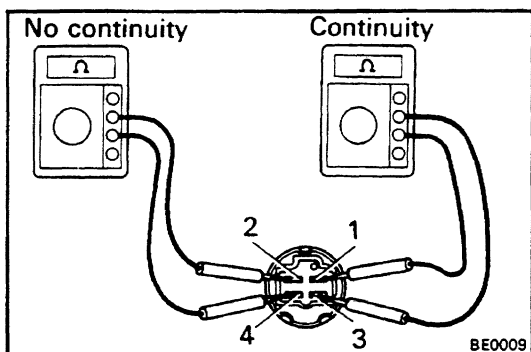
- Remove the RH cowl side trim.
- Disconnect the relay connector and inspect the connector on wire harness side as shown in the below chart.

Check for	Between terminals	Condition	Specified value
Continuity	5 - Body ground	Always	Continuity
Voltage	3 - Body ground	Ignition switch ON	Battery voltage
Continuity	2 - Body ground	Always	Continuity
Voltage	1 - Body ground	Always	Battery voltage
Voltage	6 - Body ground	Fan motor does not operate	Battery voltage



Cooling Fan Motor Relay

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

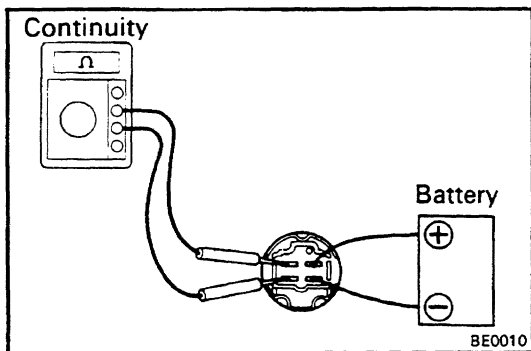


INSPECT COOLING FAN MOTOR RELAY

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.

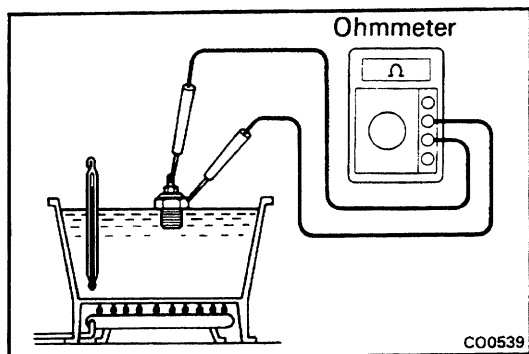
If continuity is not as specified, replace the relay.



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.



Manifold Temperature Sensor

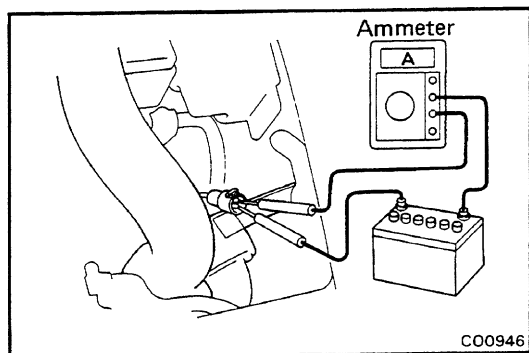
LOCATION: Near the intake chamber.

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 above table, replace the temperature sensor.

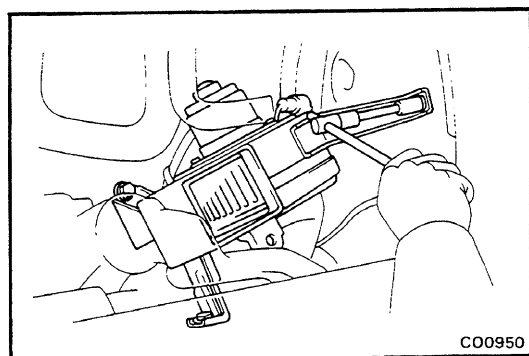


Fan Motor

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
- REMOVE COOLING FAN AIR DUCT
- REMOVE AI SILENCER AND STAY
- REMOVE ELECTRIC COOLING FAN

Remove the three bolts and cooling fan.

INSTALLATION OF ELECTRIC COOLING FAN

- INSTALL ELECTRIC COOLING FAN
- INSTALL AI SILENCER STAY AND SILENCER
- INSTALL COOLING FAN AIR DUCT
- CONNECT FAN MOTOR CONNECTOR