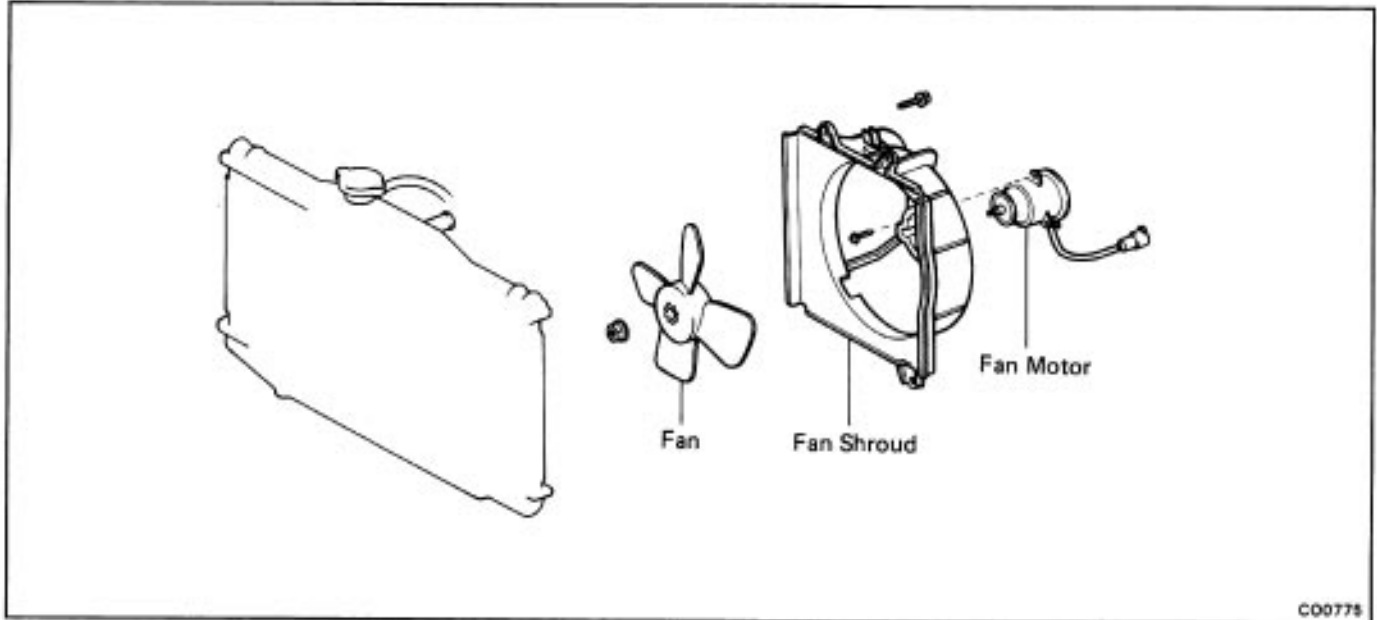
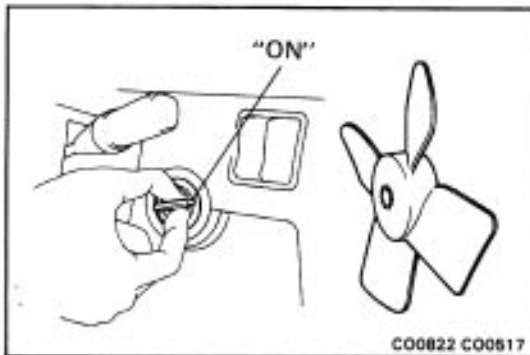


## ELECTRIC COOLING FAN COMPONENTS



CO0778



CO0822 CO0517

### ON-VEHICLE INSPECTION

#### Low Coolant Temperature [Below 83°C (181°F)]

##### 1. TURN IGNITION SWITCH "ON"

Check that the fan does not rotate.

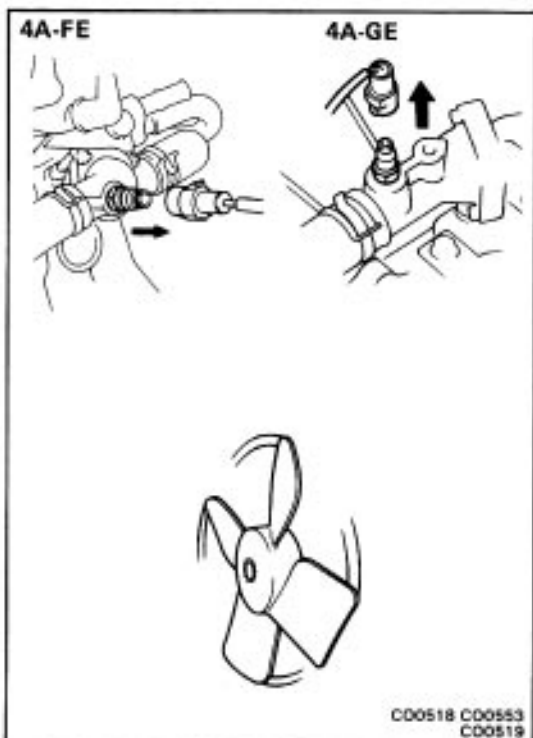
If it does, check the fan relay and temperature switch, and check for a separated connector or severed wire between the relay and temperature switch.

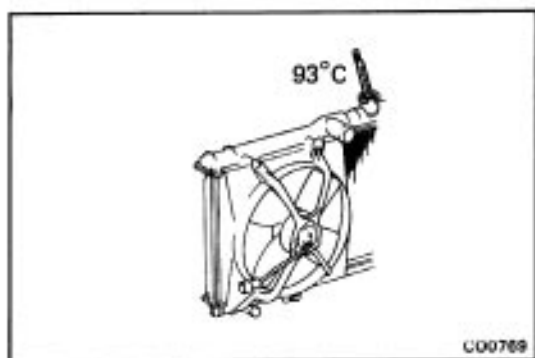
##### 2. DISCONNECT TEMPERATURE SWITCH CONNECTOR

Check that the fan rotates.

If it does not, check the fan relay, fan motor, ignition relay and fuse, and check for a short circuit between the fan relay and temperature switch.

##### 3. CONNECT TEMPERATURE SWITCH CONNECTOR

CO0518 CO0553  
CO0519

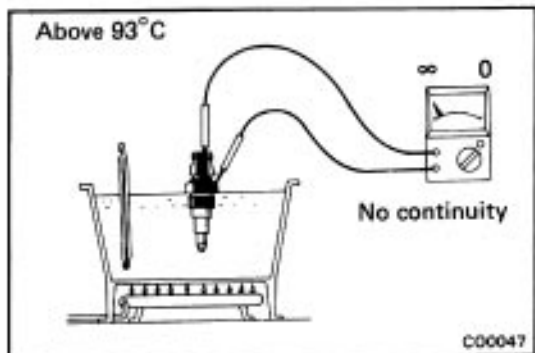


## High Coolant Temperature [Above 93°C (199°F)]

### 4. START ENGINE

- Raise engine coolant to above 93°C (199°F).
- Confirm that the fan rotates.

If it doesn't, replace the temperature switch.

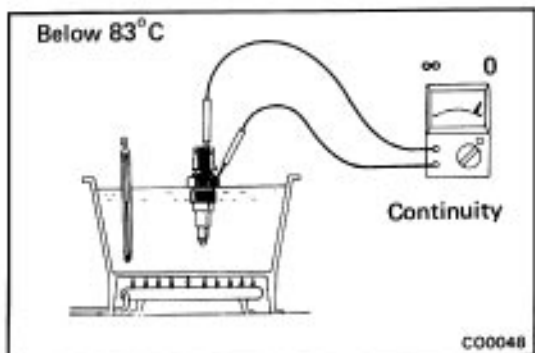


## INSPECTION OF ELECTRIC COOLING FAN

### 1. INSPECT TEMPERATURE SWITCH

HINT: On the water inlet.

- Using an ohmmeter, check that there is no continuity when the coolant temperature is above 93°C (199°F).

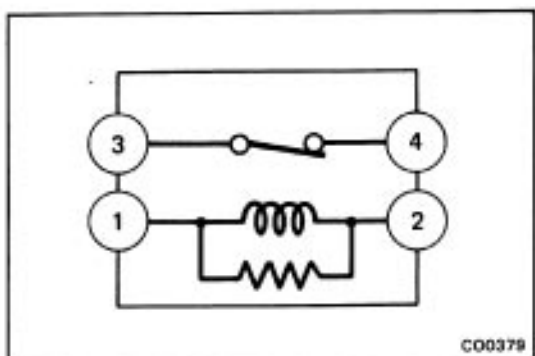


- Check that there is continuity when the coolant temperature is below 83°C (181°F).

If continuity is not as specified, replace the switch.

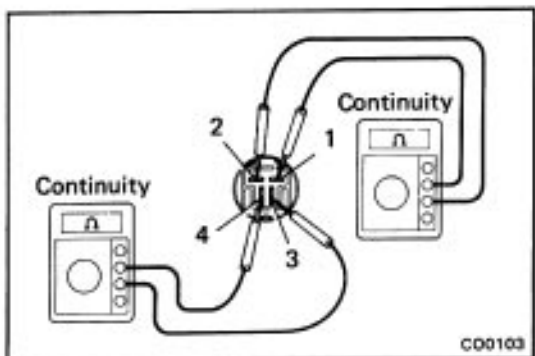
### 2. INSPECT ENGINE MAIN RELAY

(See page [CH-19](#))



### 3. INSPECT COOLING FAN RELAY

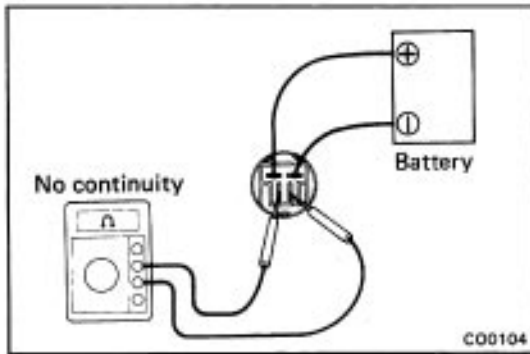
HINT: The relay is located in the engine compartment relay box.



#### A. Inspect Relay Continuity

- Using an ohmmeter, check that there is continuity between terminals 1 and 2.
- Check that there is continuity between terminals 3 and 4.

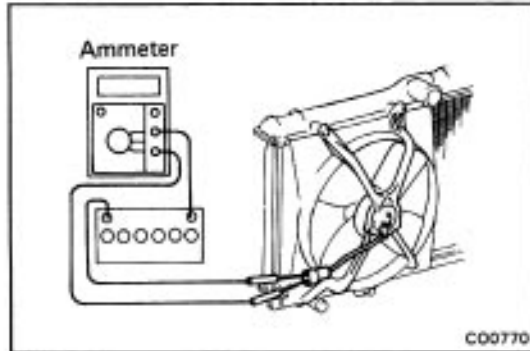
If continuity is not as specified, replace the relay.



### B. Inspect Relay Operation

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

If operation is not as described, replace the relay.



### 4. INSPECT FAN MOTOR

- (a) Connect the battery and ammeter to the fan motor connector.
- (b) Check to see that the motor rotates smoothly, and current is as follows:

**Current:**

**Coupe (Canada) 8.8 – 10.8 A**

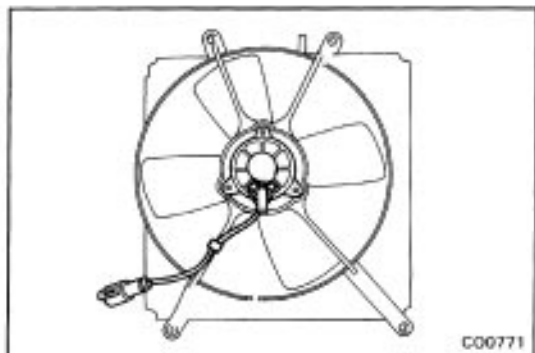
**Others 5.8 – 7.4 A**

## REMOVAL OF ELECTRIC COOLING FAN

1. DISCONNECT FAN MOTOR CONNECTOR
2. REMOVE RESERVOIR TANK
3. (4A-FE)  
DRAIN COOLANT (See page [CO-5](#))
4. (4A-FE)  
DISCONNECT RADIATOR INLET HOSE
5. REMOVE ELECTRIC COOLING FAN WITH FAN SHROUD

## DISASSEMBLY OF ELECTRIC COOLING FAN (See page [CO-20](#))

1. REMOVE FAN  
Remove the nut and fan.
2. REMOVE FAN MOTOR  
Remove the three screws and fan motor.



## ASSEMBLY OF ELECTRIC COOLING FAN (See page [CO-20](#))

1. INSTALL FAN MOTOR
  - (a) Install the fan motor with the three screws.
  - (b) Install the wire clamp to the fan shroud.
2. INSTALL FAN  
Install the fan with the nut.

## INSTALLATION OF ELECTRIC COOLING FAN

1. INSTALL ELECTRIC COOLING FAN WITH FAN SHROUD
2. (4A-FE)  
CONNECT RADIATOR INLET HOSE
3. INSTALL RESERVOIR TANK
4. CONNECT FAN MOTOR CONNECTOR
5. (4A-FE)  
REFILL WITH COOLANT (See page [CO-5](#))
6. START ENGINE AND CHECK FOR LEAKS