

ELECTRIC COOLING FAN ON-VEHICLE INSPECTION

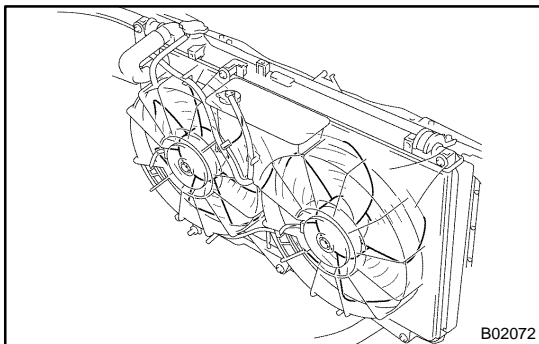
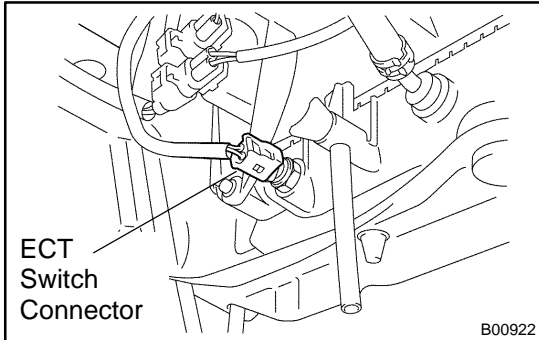
CO17H-01

1. CHECK COOLING FAN OPERATION WITH LOW TEMPERATURE (Below 83°C (181°F))

- (a) Turn the ignition switch ON.
- (b) Check that the cooling fan stops.

If not, check the cooling fan relay and ECT switch, and check for a separated connector or severed wire between the cooling fan relay and ECT switch.

- (c) Disconnect the ECT switch connector.



- (d) Check that the cooling fan rotates.

If not, check the fuses, radiator fan main relay, cooling fan relay, cooling fan, and check for a short circuit between the cooling fan relay and ECT switch.

- (e) Reconnect the ECT switch connector.

2. CHECK COOLING FAN OPERATION WITH HIGH TEMPERATURE (Above 93°C (199°F))

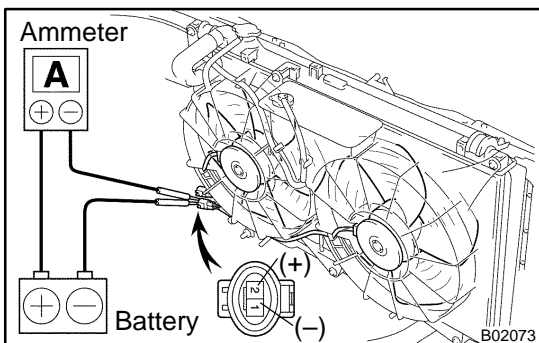
- (a) Start the engine, and raise coolant temperature to above 93°C (199°F).

HINT:

Coolant temperature is the detected value by the ECT switch on the radiator lower tank.

- (b) Check that the cooling fan rotates.

If not, replace the ECT switch.



3. INSPECT COOLING FANS

- (a) Disconnect the cooling fan connector.
- (b) Connect battery and ammeter to the cooling fan connector.
- (c) Check that the cooling fan rotates smoothly, and check the reading on the ammeter.

Standard amperage: 8.5 – 11.5 A at 20°C (68°F)

- (d) Reconnect the cooling fan connector.