

ELECTRIC COOLING FAN ON-VEHICLE INSPECTION

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

- Turn the ignition switch ON.
- Check that the cooling fan stops.

If not, check the cooling fan relay and water temperature sensor, and check for a separated connector or severed wire between the cooling fan relay and water temperature sensor.

- Disconnect the water temperature sensor connector.
- Check that the cooling fan rotates.

If not, check the engine main relay, cooling fan relay, cooling fan, fuses, and check for short circuit between the cooling fan relay and water temperature sensor.

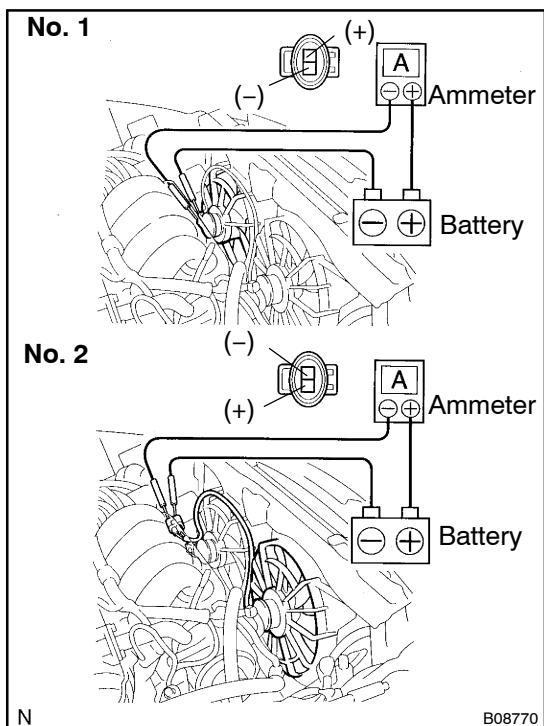
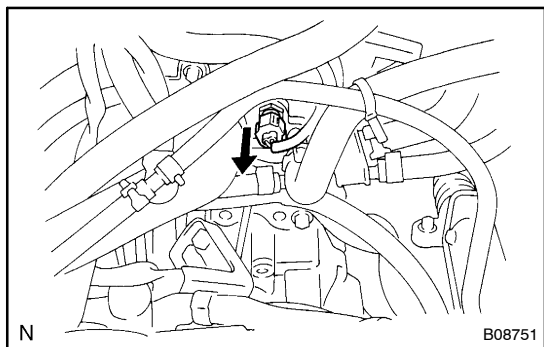
- Reconnect the water temperature sensor connector.

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

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

- Check that the cooling fan rotates.

If not, replace the water temperature sensor.



3. INSPECT COOLING FANS

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

Standard amperage: 5.2 – 8.2 A

- Reconnect the cooling fan connector.