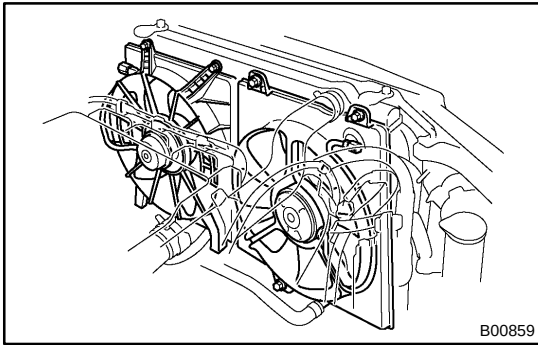




ELECTRIC COOLING FAN ON-VEHICLE INSPECTION

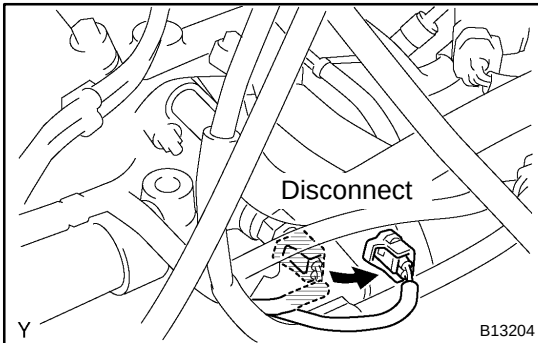
CO089-02

1. CHECK COOLING FAN OPERATION WITH LOW TEMPERATURE (Below 88°C (190°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.

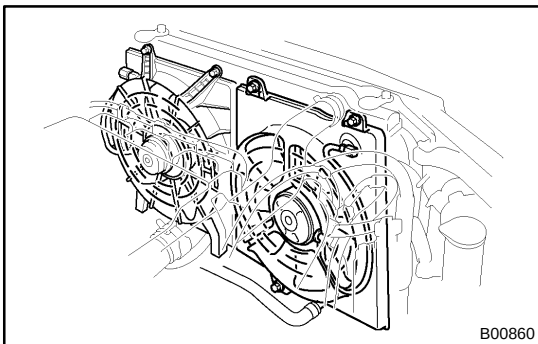
- (c) Disconnect the No.1 ECT switch connector.



- (d) Check that the cooling fan rotates.

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

- (e) Reconnect the No.1 ECT switch connector.

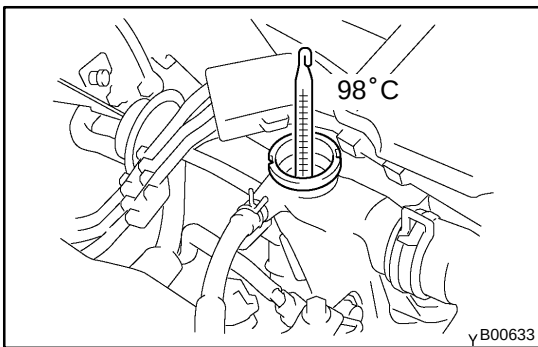


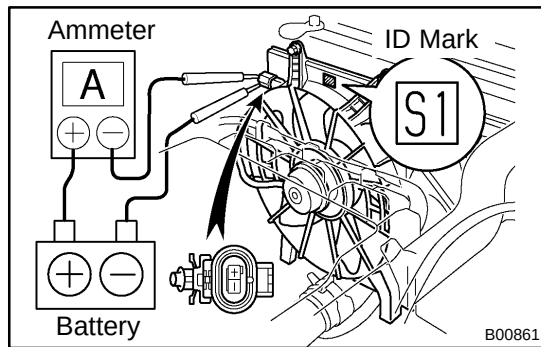
2. CHECK COOLING FAN OPERATION WITH HIGH TEMPERATURE (Above 98°C (208°F))

- (a) Start the engine, and raise coolant temperature to above 98°C (208°F).

- (b) Check that the cooling fan rotates.

If not, replace the No.1 ECT switch.





3. INSPECT NO.1 COOLING FAN

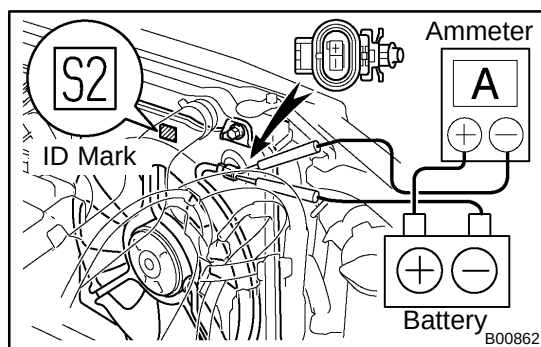
- Start the engine, and raise coolant temperature to above 98°C (208°F).
- Stop the engine.
- Disconnect the cooling fan connector.
- Connect battery and ammeter to the cooling fan connector.
- Check that the cooling fan rotates smoothly, and check the reading on the ammeter.

Standard amperage:

ID mark S1: 8.5 - 11.5 A at 20°C (68°F)

ID mark T1: 14.0 - 20.0 A at 20°C (68°F)

- Reconnect the cooling fan connector.



4. INSPECT NO.2 COOLING FAN

- Start the engine, and raise coolant temperature to above 98°C (208°F).
- Stop the engine.
- Disconnect the cooling fan connector.
- Connect battery and ammeter to the cooling fan connector.
- Check that the cooling fan rotates smoothly, and check the reading on the ammeter.

Standard amperage:

ID mark S2: 8.5 - 11.5 A at 20°C (68°F)

ID mark T2: 14.0 - 20.0 A at 20°C (68°F)

- Reconnect the cooling fan connector.