ELECTRIC COOLING FAN

CO0YF–01

ON–VEHICLE INSPECTION

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 sensor, and check for separated connector or severed wire between the cooling fan relay and ECT sensor.

(c) Disconnect the ECT sensor connector.

(d) Check that the cooling fan rotates.

If not, check the fuses, cooling fan relay, ECM and cooling fan, and check for a short circuit between the cooling fan relay and ECT sensor.

(e) Reconnect the ECT sensor connector.

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

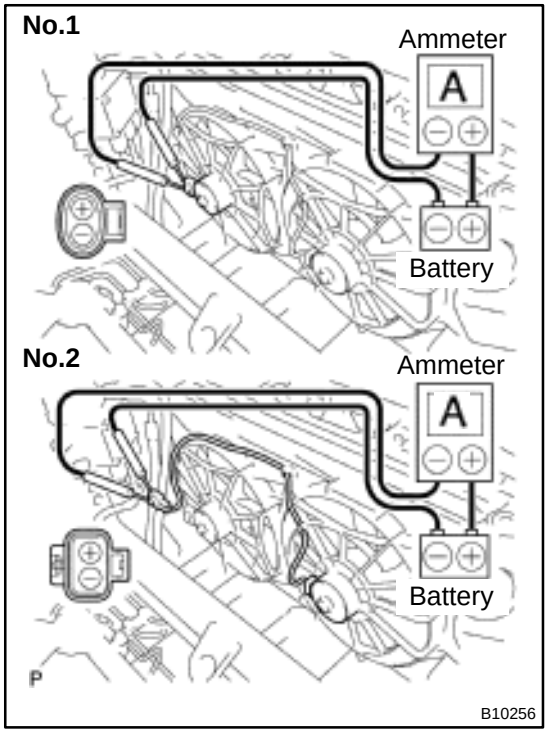
(a) Start the engine, and raise coolant temperature to above 93˚C (199˚F).

HINT:

Coolant temperature is the detected value by the ECT sensor on the water outlet.

(b) Check that the cooling fan rotates.

If not, replace the ECT sensor.



3. INSPECT COOLING FANS

(a) Disconnect the cooling fan connector.

(b) Connect battery and ammeter to the connector.

(c) Check that the cooling fan rotates smoothly, and check the reading on the ammeter.

Standard amperage: 5.7 – 7.7 A

(d) Reconnect the cooling fan connector.

4. INSPECT ECT SENSOR (See page SF–55)

5. INSPECT ECM

Check the voltage between ECM terminals FAN and E1 (See page DI–19).