

COOLING FAN SYSTEM (1CD-FTV)

1606N-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.
- (c) Disconnect the water temperature switch connector.
- (d) Connect the terminals on the water temperature switch connector.
- (e) Check that the cooling fan rotates.

If not, check the fuses, cooling fan relay, cooling fan, and check for and check for a open circuit between the cooling fan relay and water temperature switch.

- (f) Reconnect the water temperature sensor connector.

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

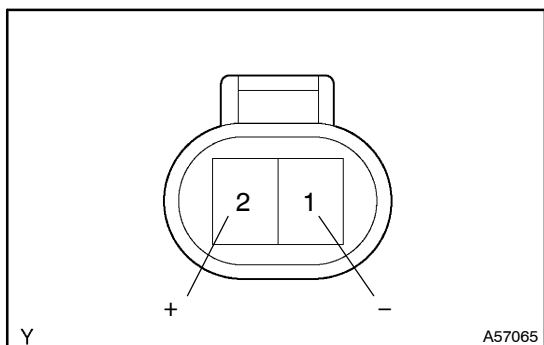
- (a) Start the engine, and raise coolant temperature to above 93°C (199°F)

HINT:

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

- (b) Check that the cooling fan rotates.

If not, replace the water temperature 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:

Approx. 13.2 A at 20°C (68°F)

- (d) Reconnect the cooling fan connector.