DTC	B1475	A/C INVERTER COOLING/HEATING SYSTEM MALFUNCTION

CIRCUIT DESCRIPTION

The A/C inverter in the A/C inverter assy monitors the cooling water temperature with the temperature sensor. It stops compressor control and outputs the DTC when the monitored temperature is outside specified range (too high or too low).
The hybrid system and the air conditioning system monitor the cooling water temperature separately. If DTCs referring to an inverter cooling system malfunction are output simultaneously, there may be trouble such as insufficient cooling water.
If DTCs are output only for the air conditioning system, there may be an open or short in the temperature sensor circuit in the inverter.

DTC No.	Detection Item	Trouble Area
B1475	Cooling water temperature in the inverter is outside the specified range (temperature is too high), or there is an open or short to ground in the temperature sensor circuit.	• A/C inverter (w/converter inverter assy)

INSPECTION PROCEDURE

1	CHECK COOLING WATER

NOTICE:
Even if DTCs are output only for the air conditioning system, inspect the cooling system first and check that it is normal as there may be trouble such as insufficient cooling water.

NG → **ADD COOLING WATER**

OK ↓

2	CHECK DIAGNOSTIC TROUBLE CODE

(a) Check if DTCs for the hybrid control system are output using intelligent tester II.
OK:
DTCs are not output in the hybrid control system.

NG → **GO TO HYBRID CONTROL SYSTEM (SEE PAGE 05–268)**

OK ↓

REPLACE A/C INVERTER ASSY

NOTICE:
The A/C inverter is integrated with the inverter assy. It is necessary to replace the PCU box assy if the A/C inverter (inverter assy) needs to be replaced because the A/C inverter (inverter assy) cannot be replaced alone.