DTC	B1477	A/C INVERTER LOW VOLTAGE POWER RESOURCE SYSTEM MALFUNCTION

CIRCUIT DESCRIPTION

The A/C inverter assy monitors the controlling power voltage in the self circuit. It stops compressor circuit and outputs the DTC when the monitored voltage is outside the specified range.
The output DTC is memorized as previous trouble. The compressor control may not resume unless the power switch is turned off.

DTC No.	Detection item	Trouble Area
B1477	An open or short to ground in the inverter's controlling power voltage circuit.	• A/C inverter (w/converter inverter assy)

INSPECTION PROCEDURE

1	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

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.