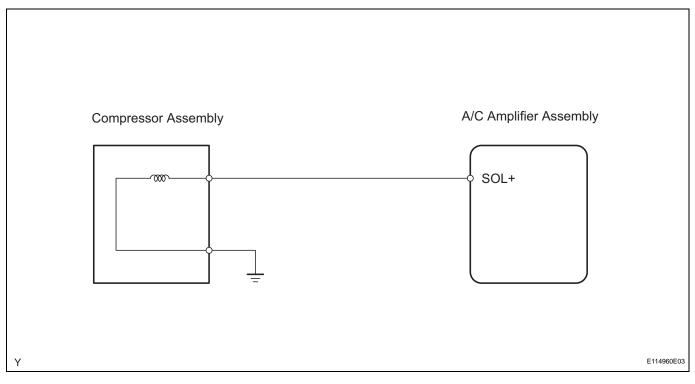
DTC B1451 Compr	essor Solenoid Circuit
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DESCRIPTION

The compressor assembly regulates the amount of refrigerant to discharge according to signals from the A/C amplifier assembly controls the compressor by using heat load variance and engine rpm variance data to determine the amount of refrigerant to discharge, and then converts the data to a signal.

DTC No.	DTC Detection Condition	Trouble Area
B1451	Open or short in solenoid of the externally changeable compressor circuit	 Compressor assembly Harness and connector between A/C amplifier and compressor A/C amplifier assembly

WIRING DIAGRAM



1

CHECK AIR CONDITIONING AMPLIFIER ASSEMBLY (SOL+ VOLTAGE)

- (a) Remove the A/C amplifier but do not disconnect the connectors.
- (b) Start the engine.
- (c) Turn the A/C switch ON and blower switch ON.
- (d) Using an oscilloscope, check the waveform of the amplifier.

Item	Content
Tester Connection	SOL+ (A17-13) - GND-1 (A17-24)
Tool Setting	5 V/DIV., 500µsec./DIV.
Conditions	Engine idling

OK:

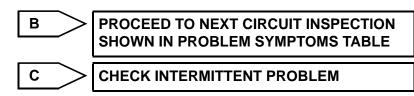
Waveform is as shown in the illustration.

Result

Α

OK

Result	Proceed to
NG	A
OK (when troubleshooting according to Problem Symptoms Table)	В
OK (when troubleshooting according to DTC Chart)	С



2 INSPECT COMPRESSOR ASSEMBLY (a) Remove the compressor. (b) Measure the resistance of the compressor. Standard resistance Instruction Specified Condition Instruction Instruction</l

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