

## DATA LIST / ACTIVE TEST

### 1. READ DATA LIST

#### HINT:

Using the intelligent tester's DATA LIST allows switch, sensor, actuator and other item values to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to save time.

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Read the DATA LIST.

#### A/C amplifier assembly

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
COOLANT TEMP (Engine Coolant Temperature)	Engine coolant temperature / Min.: 1.3°C (34.34°F), Max.: 90.55°C (194.99°F)	Actual engine coolant temperature	-
EVAP TEMP (Evaporator Temperature Sensor)	Evaporator temperature / Min.: -29.7°C (-21.46°F), Max.: 59.55°C (139.019°F)	Actual evaporator temperature is displayed	Open in circuit: -29.7°C (-21.46°F) (continuous, regardless of actual temperature) Short in circuit: 59.55°C (139.19°F) (continuous, regardless of actual temperature)
REG PRESS SENS (Regulator Pressure Sensor)	Regulator pressure sensor / Min.: 0 kgf/cm <sup>2</sup> G Max.: 38.19 kgf/cm <sup>2</sup> G	Actual regulator pressure is displayed	Open in circuit: 32.5 kgf/cm <sup>2</sup> G (continuous, regardless of actual temperature) Short in circuit: 0 kgf/cm <sup>2</sup> G (continuous, regardless of actual temperature)
REG CTRL CURRENT (Regulator Control Current)	Regulator control current / Min.: 0 A, Max.: 0.996 A	-	-

#### ECM

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
A/C SIG (A/C Signal)	A/C signal / ON or OFF	ON: A/C ON OFF: A/C OFF	-

### 2. PERFORM ACTIVE TEST

#### HINT:

Performing the intelligent tester's ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Performing the ACTIVE TEST early in troubleshooting is one way to save time. The DATA LIST can be displayed during the ACTIVE TEST.

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Perform the ACTIVE TEST.

#### A/C amplifier assembly

Item	Test Details / Display (Range)	Diagnostic Note
HEATER LEVEL (Heater Active Level)	Heater Active Level / Min.: 0, Max.: 3	-

## DIAGNOSTIC TROUBLE CODE CHART

DTC No.	Detection Item	Trouble Area	See page
B1413	Evaporator Temperature Sensor Circuit	<ul style="list-style-type: none"> <li>- Cooler thermistor (evaporator temperature sensor</li> <li>- Harness and connector between evaporator temperature sensor and A/C amplifier assembly</li> <li>- A/C amplifier assembly</li> </ul>	<a href="#">AC-22</a>
B1423	Pressure Switch Circuit	<ul style="list-style-type: none"> <li>- Pressure sensor</li> <li>- Refrigerant line</li> <li>- Harness and connector between pressure sensor and A/C amplifier assembly</li> <li>- A/C amplifier assembly</li> </ul>	<a href="#">AC-25</a>
B1451	Compressor Solenoid Circuit	<ul style="list-style-type: none"> <li>- Compressor assembly</li> <li>- Harness and connector between A/C amplifier assembly and compressor assembly</li> <li>- A/C amplifier assembly</li> </ul>	<a href="#">AC-30</a>
B1499	Multiplex Communication Circuit	<ul style="list-style-type: none"> <li>- A/C amplifier assembly</li> <li>- ECM</li> <li>- CAN communication line</li> </ul>	<a href="#">AC-33</a>