

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
REG CTRL CURRNT	Regulator control current / Min.: 0 A Max.: 0.997 A	Value changes between 0 A and 0.997 A in accordance with compressor and magnetic clutch operation	-
DESTINATION	Destination / DOMEST, USA, EUROPE, AUSTRAL, MIDEAST, NO INFO	Destinations displayed	-
#CODES	Number of trouble codes / Min.: 0, Max.: 255	Number of DTCs displayed	-

**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 in the ACTIVE TEST.

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON and turn the intelligent tester ON.
- (c) Perform the ACTIVE TEST by following the prompts on the tester.

**Air conditioning amplifier**

Item	Test Details / Display (Range)	Diagnostic Note
A/C COMPRESSOR	A/C compressor / OFF, ON	-

**DATA LIST / ACTIVE TEST**

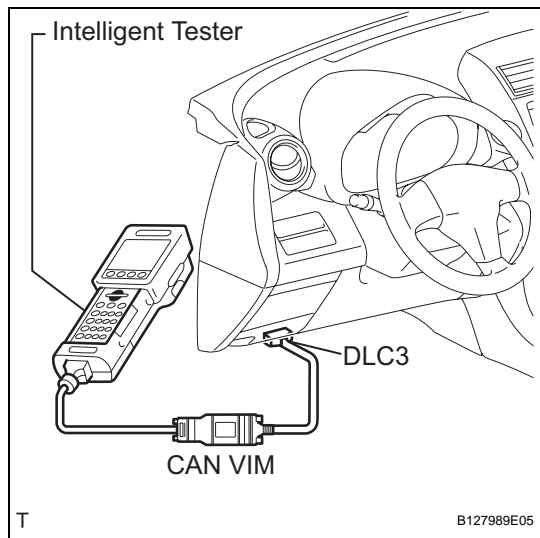
(2006/01- )

**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 and turn the intelligent tester ON.
- (c) Read the DATA LIST by following the prompts on the tester.



**Air conditioning amplifier**

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
AMBI TEMP SENS	Ambient temperature sensor / Min.: -23.3°C (-9.94°F) Max.: 65.95°C (150.71°F)	Actual ambient temperature is displayed	Open circuit: -23.3°C (-9.94°F) Short circuit: 65.95°C (150.71°F)
COOLANT TEMP	Engine coolant temperature / Min.: 1.3°C (34.34°F) Max.: 90.55°C (194.99°F)	Actual engine coolant temperature is displayed after engine warmed up	-
AMBI TEMP	Adjusted ambient temperature / Min.: -30.8°C (-23.44°F) Max.: 50.8°C (123.44°F)	-	-

AC

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
EVAP FIN TEMP	Evaporator temperature sensor / Min.: -29.7°C (-21.46°F) Max.: 59.6°C (139.28°F)	Actual evaporator temperature is displayed	Open circuit: -29.7°C (-21.46°F) Short circuit: 59.6°C (139.28°F)
REG PRESS SENS	Regulator pressure sensor / Min.: 0 MPaG Max.: 3.187 MPaG	Actual regulator pressure is displayed	-
REG CTRL CURRNT	Regulator control current / Min.: 0 A Max.: 0.997 A	Value changes between 0 A and 0.997 A in accordance with compressor and magnetic clutch operation	-
DESTINATION	Destination / DOMEST, USA, EUROPE, AUSTRAL, MIDEAST, NO INFO	Destinations displayed	-
#CODES	Number of trouble codes / Min.: 0, Max.: 255	Number of DTCs displayed	-

**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 in the ACTIVE TEST.

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON and turn the intelligent tester ON.
- (c) Perform the ACTIVE TEST by following the prompts on the tester.

**Air conditioning amplifier**

Item	Test Details / Display (Range)	Diagnostic Note
A/C COMPRESSOR*1	A/C Compressor OFF, ON	-
A/C MAG CLUTCH*2	Magnetic clutch relay / OFF, ON	Operating sound can be heard

**HINT:**

\*1: for 2AZ-FE

\*2: for 2GR-FE