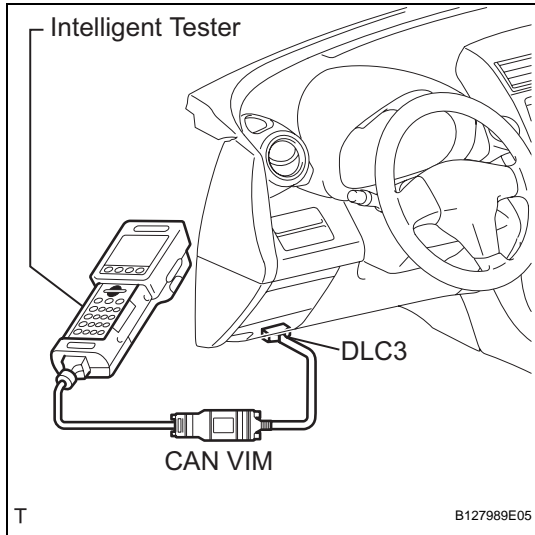


Step No.	Blower Level	Air Mix Damper	Air Flow Vent	Air Inlet Damper	Cool Air By-pass	Compressor
8	17	100% (MAX HOT)	FOOT/DEF	FRESH	-	ON
9	31	100% (MAX HOT)	DEF	FRESH	-	ON



DATA LIST / ACTIVE TEST

(2005/11-2006/01)

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
ROOM TEMP	Room temperature sensor / Min.: -6.5°C (20.3°F) Max.: 57.25°C (135.05°F)	Actual room temperature is displayed	Open circuit: -6.5°C (20.3°F) Short circuit: 57.25°C (135.05°F)
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)
SOLAR SENS-D	Driver side solar sensor / Min.: 0, Max.: 255	Driver side temperature increases as brightness increases	-
SOLAR SENS-P	Passenger side solar sensor / Min.: 0, Max.: 255	Passenger side temperature increases as brightness increases	-
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	-
SET TEMP-D	Driver side set temperature / Min.: 0°C (32°F) Max.: 30°C (54°F)	Driver side actual set temperature is displayed	-
SET TEMP-P	Passenger side set temperature / Min.: 0°C (32°F) Max.: 30°C (54°F)	Passenger side actual set temperature is displayed	-
ESTIMATE TEMP-D	Driver side estimated temperature / Min.: -358.4°C (-613.12°F) Max.: 358.4°C (677.12°F)	Driver side estimated temperature is displayed	-
ESTIMATE TEMP-P	Passenger side estimated temperature / Min.: -358.4°C (-613.12°F) Max.: 358.4°C (677.12°F)	Passenger side estimated temperature is displayed	-
BLOWER LEVEL	Blower motor speed level / Min.: 0, Max.: 31	Increases in range between 0 and 31 as blower motor speed increases	-
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
AIR MIX PULSE-D	Driver side air mix servo motor target pulse / Min.: 0, Max.: 255	Customized value displayed	-
AIR MIX PULSE-P	Passenger side air mix servo motor target pulse / Min.: 0, Max.: 255	Customized value displayed	-
AIR OUT PULSE	Air outlet servo motor target / Min.: 0, Max.: 255	Customized value displayed	-
A/I DAMP PLS	Air inlet damper target pulse / Min.: 0, Max.: 255	Customized value displayed	-
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	-
AIR INLET MODE	Air inlet mode / AUTO, MANUAL	Customized value displayed	-
COMPRESSOR MODE	Compressor mode / AUTO, MANUAL	Customized value displayed	-
COMPRS/DEF MODE	Compressor / DEF Mode / LINK, NORMAL	Customized value displayed	-
EVAP CTRL	Evaporator Control / AUTO, MANUAL	Customized value displayed	-
AUTO BLOW UP	Foot / DEF automatic blow up function / ON, OFF	Customized value displayed	-
FOOT/DEF MODE	Foot / DEF auto mode / ON, OFF	Customized value displayed	-
SET TEMP SHIFT	Shift set temperature / +2 C, +1 C, NORMAL, -1 C, -2 C	Customized value displayed	-
DESTINATION	Destination / DOMEST, USA, EUROPE, AUSTRAL, MIDEAST, NO INFO	Destinations displayed	-
#CODES	Number of trouble codes / Min.: 0, Max.: 255	Number of DTCs displayed	-

AC

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.