

2009 ACCESSORIES AND EQUIPMENT**Totally Integrated Power Module (TIPM) - Electrical Diagnostics - Journey****STANDARD PROCEDURE****BODY VERIFICATION TEST****Diagnostic Test****1. Perform Body Verification Test**

1. Disconnect all jumper wires and reconnect all previously disconnected components and connectors.
2. Make sure that all accessories are turned off.
3. Make sure that the battery is fully charged.
4. Turn the ignition on.
5. With the scan tool, record and erase Diagnostic Trouble Codes (DTC)s from all modules.
6. If an electronic control module was replaced, select the applicable module from the scan tool menu and press "Misc. Functions". If the module has programmable features, program as necessary.
7. (Export only) If the Intrusion Transceiver Module (ITM) and/or Siren was replaced, select ITM from the scan tool ECU view menu then "Misc. Functions" and perform the applicable replacement procedure.
8. Perform this step only if diagnosing faults related to the HVAC system.
 - The Manual Temperature Control (MTC) is not on the bus and not addressable with a scan tool. Perform the following to clear DTCs from the MTC: 1. Turn the blower control on. 2. Press the Air Conditioning (A/C) mode switch down, turn the blower control to off, wait until both Light Emitting Diodes (LED)s illuminate (approximately five seconds) and then release the A/C mode switch. 3. When the A/C status indicator begins flashing DTCs, set the Mode switch to the floor position, simultaneously press the A/C mode switch and the Electric Backlite (EBL) mode switch down until both LEDs start flashing (approximately five seconds) and then release the mode switches.
 - For vehicles equipped with Automatic Temperature Control (ATC), if repairs were made to any of the HVAC doors, linkage, door actuators, or door actuator circuits, run the actuator calibration function by selecting the following from the scan tool menu: select HVAC, More Options, System Tests, Actuator Calibration Test, and Start. Follow the directions displayed by the scan tool. Allow the test to run to completion before proceeding.
 - For vehicles equipped with MTC, if repairs were made to any of the HVAC doors, linkage, door actuators, or door actuator circuits, run the door calibration function by performing the following: 1. Turn the ignition on. 2. Turn the blower control to off. 3. Press the EBL mode switch down, turn the blower control on, wait until the EBL LED starts flashing (approximately five seconds) and then release the mode switch. Wait approximately 90 seconds for the calibration process to run to completion before proceeding.
9. Turn the ignition off, wait 10 seconds, and then turn the ignition on.
10. Operate all functions of the system that caused the original concern. If a repair or module replacement was done to the power windows, operate the motor fully down and then to the full up

position and stall it for two seconds.

11. With the scan tool, select ECU View.
12. With the scan tool, select ECU View and check for DTCs in the modules.
13. Perform this step only if diagnosing faults related to the MTC HVAC system.

NOTE: **The A/C status indicator displays active DTCs when the EBL status indicator is not illuminated and stored DTCs when the EBL status indicator is illuminated.**

- Perform the following to read DTCs from the MTC: 1. Turn the blower control on. 2. Press the A/C mode switch down, turn the blower control to off, wait until both LEDs illuminate (approximately five seconds) and then release the A/C mode switch. 3. Read the DTCs from the flashing A/C status indicator.

Are DTCs present in any of the modules or is the original condition still present?

Yes

- The repair is not complete. Refer to the related category for the DTC or symptom that is still present.

No

- The repair is complete.