



Service Bulletin

File in Section: -

Bulletin No.: PIC5812A

Date: March, 2013

PRELIMINARY INFORMATION

Subject: Diagnostic Tip - Proper Installation Of HVAC Module Connectors After Removal

Models: 2013 Cadillac ATS

This PI was superseded to update condition field. Please discard PIC5812.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

After removing the connectors on the Electronic Climate Control Module (HVAC Module) with the vehicle battery still connected, it is possible to reconnect the connectors in the wrong order when reinstalling the HVAC module. Improper connection will result in improper motor (actuator) control.

After improper connection a vehicle may exhibit any or all of the following conditions:

1. Airflow will only come out of defrost or panel in all manual mode selections.
2. Driver or Passenger temperature motors appear stuck in full hot or full cold, even when selecting Hi or Lo on the temperature control screen. Full hot may be difficult to diagnose with a cold engine.
3. Air Inlet motor appears stuck in fresh mode or recirculation mode when mode is manually set to bi-level or panel.
4. Any of the motor commanded positions (Air Inlet, Mode 1, Temperature 1, Temperature 2) can be out of range (greater than 1023).
5. Any of the motor actual positions can be out of range (greater than 1023).
6. Any of the motor actual position will not change even when the motor driver shows increase or decrease.

Please follow the procedure below to eliminate any confusion or concerns when reconnecting the HVAC Module.

Recommendation/Instructions

1. Please connect the connectors in the proper sequence (J1, J3, and J4 can be installed in any order, but J2 (Brown Power Connector) must be last) to avoid motor (actuator) relearn process. If not connected in proper order, you must proceed to the next step.

If the proper connection procedure was not followed previous to reinstallation of the HVAC module connectors and it appears you have a stuck motor (actuator), please refer to the latest version of PIC5794 (HVAC Mode And / Or Temperature Appears Stuck) and calibrate the motors (actuators) to resolve.

ADDITIONAL SI KEYWORDS:

bind cold door driver duct hi high inop inoperative IP left lo low passenger program programming right temp

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.