



HOLDEN VE & WM AIR MIX DOOR NOT FULLY CLOSING AND AIR INTAKE DOOR FAILURE					TSB #:	82
					Date:	19/11/2013
Initial Once Read:						

We have had a number of enquires over the Adair diagnostic assistance line regarding “A/C not cold”

In the case of a any HVAC component failure it may impact on a number of other HVAC components that actually do not have a fault. Connect a scan tool such as the Adair VE scan tool TUNI218 and check for any logged HVAC diagnostic trouble codes (DTC). There will probably be a number of DTC's set, these will be in a commanded order, in other words the first DTC may be the cause of the other DTC's being set.

An *example* of the command order for the DTC's is that the air mix door is not functioning, but a number of DTC's are set that are not seemingly related to the air mixing door:

DTC # 1 - B0228 Air intake door

DTC # 2 - B0418 Air mix motor

DTC # 3 - B0253 Face / Floor mode

Fix the first recorded DTC in this case B0228 “Air intake door” and once this is rectified the other DTC issues should also be rectified. On the model year 2007 VE there appears to be a common issue with the air intake door breaking at the pivots. The method of manually testing the door is:

1. Remove the glove box assembly (7 screws)
2. Remove the floor duct (2 screws)
3. Disconnect the electrical connector to the blower fan, then detach and remove the blower fan (3 screws)
4. Locate the air intake plastic door and try and move the door up and down. The door should offer resistance against the electric drive motor. If the door moves, this indicates that the door shaft end is broken and the door must be replaced.
5. The air intake door is available from a Holden dealer as a spare part and can be installed without removing the crash pad.
6. Once the air intake door has been repaired, erase all DTC'S and carry out a mode door relearn as outlined in Adair TSB 81 or by using a scan tool.

Footnote for other mode door issues: Mode and air mix doors not fully opening or closing and no DTC set. What may have occurred is that the HVAC module (HCM) had lost the minimum and maximum door setting positions due to a supply voltage drop to less than 9 volts for 2 seconds, this could happen during engine cranking.

Check the vehicle alternator charge rate and battery condition under load.