



**DTB**

Date: May 25, 2007  
Order No.: P-B-83.00/102  
Supersedes:  
Group: 83

**SUBJECT: Model 211.026/056/070/083/087/256/283/287  
Equipped with Code 580 Two Zone Climate System Option (ACC)  
From VIN A845370 to B100720 and X189946 to X223159  
Reduced Air Flow / Cooling from Climate System After Long Drives**

If you receive customer reports in the above model vehicles of reduced air flow and cooling after driving for an extended period of time, the cause may be that the evaporator has become frozen. Under certain temperature, humidity and driving conditions evaporator temperature control may not be optimized since the deletion of the humidity sensor starting with 7/2005 production. This condition may also be caused by a low refrigerant level. Follow the procedure below to diagnose and resolve.

1. Verify that the vehicle does not have a humidity sensor installed by removing the climate system air intake filter housing. A blank plug should be visible on the right side of the air intake (Figure 1).



Figure 1

P-B-83.00/102

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

2. Remove the blank plug by twisting it approximately a quarter turn and releasing it from the housing. Release the harness connector from the blank plug.
3. Plug the harness connector into the humidity sensor (A211 830 05 72) and install sensor into housing. Install climate system air intake filter housing.
4. Using SDS change the version coding: Workshop coding → B31/2 (Air humidity sensor) → Change from Not Present to Present.
5. A system slightly undercharged can cause the evaporator temperature to get too low and contribute to this condition. Verify that the air conditioning system is fully charged by evacuating and re-filling the system to the correct level. Refer to WIS document AR83.30-P-5251P.



**Note:** Evacuating and filling the system for this condition does not require replacement of the fluid reservoir because the refrigerant system is not opened.

#### Parts Information

Qty.	Part Name	Part Number
1	Humidity sensor	A211 830 05 72



**Note:** The following allowable labor operations should be used when submitting a warranty claim for this repair. This information has been generated on May 25, 2007. Please refer to Netstar → Star TekInfo → Star Time for the most current labor time allowance.

#### In Case of Warranty

**Operation:** Short test, perform (54-1011)  
 Humidity sensor (B/31) – A/C system, replace (after test) (83-3116)  
 A/C refrigerant system, evacuate/charge (83-1780 combined w/ this op code) (83-1782)

Damage Code	Operation Number	Time (hrs.)	Model Indicator (s)
83648 52	83 1762	0.8 hrs.	T2, T5, T6, T7, T8, U3, U6, U7
	83 3116	0.2 hrs.	T2, T5, T6, T7, T8, U3, U6, U7
	54 1011	0.3 hrs.	T2, T5, T6, T7, T8, U3, U6, U7