

2007 Mercedes Benz Truck ML 63 AMG (164.177) V8-6.3L (156.980)

Vehicle » Technical Service Bulletins » All Technical Service Bulletins » A/C/Interior - Blower Won't Turn OFF/Interior Water Leak

Date: January 14, 2009

Order No.: T-B-83.10/112b

Supersedes: T-B-83.10/112a dated Sept. 3, 2008

Group: 83

Revision History

Revision	Date	Purpose
b	1/14/09	Part Number and Warranty Information Updated
a	9/3/08	Part Number Updated
-	3/7/08	Initial issue

SUBJECT:

All Model 164 Vehicles

Water Entry into Vehicle Interior

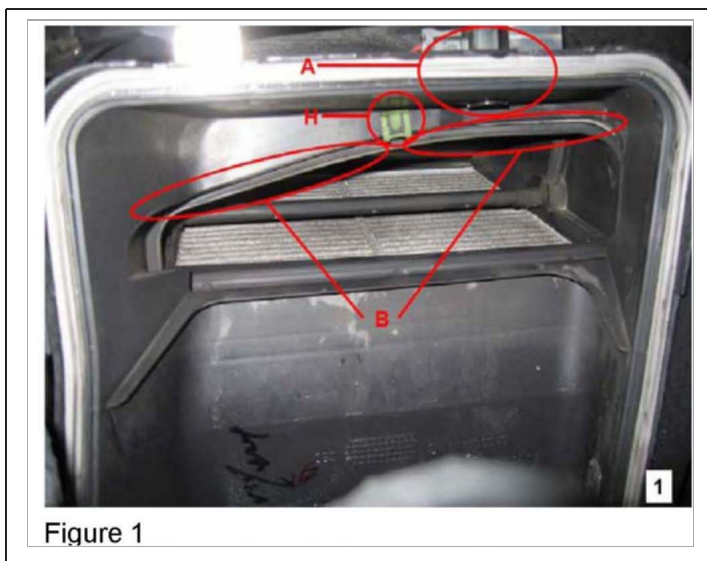


Figure 1

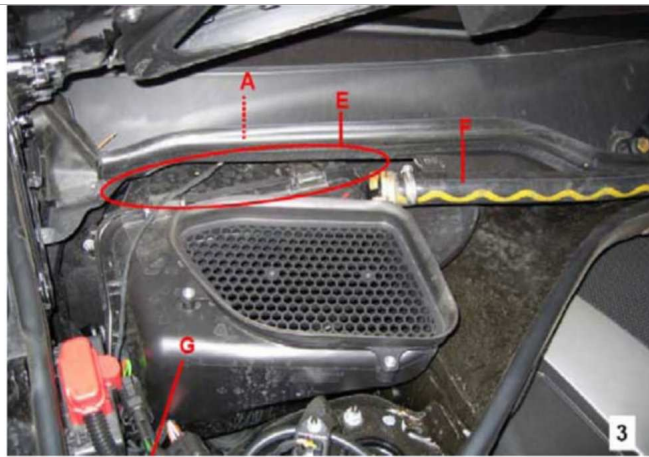


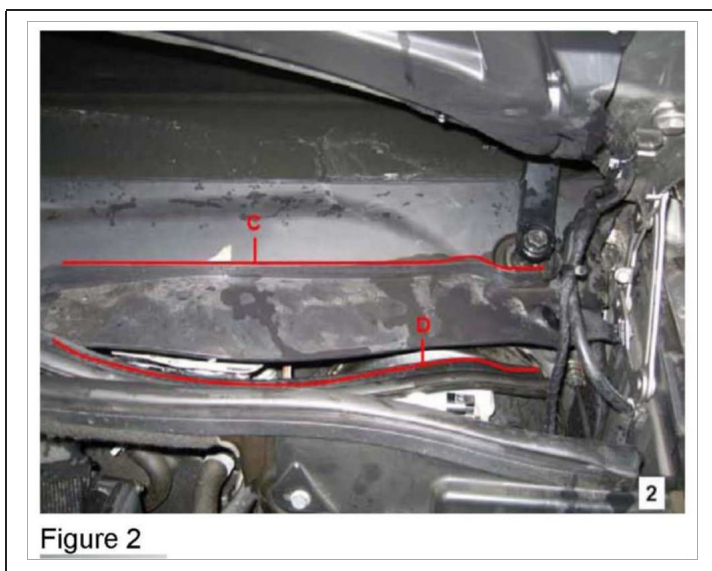
Figure 3



Figure 4

If you receive customer reports in the above model vehicles of a nonfunctional **blower motor** (blower motor runs continuously) or water drops in the front passenger footwell after an engine wash, this may be caused by an insufficient sealing of the air/water box when a lot of water is used when the engine compartment is cleaned near the right side of the firewall. The affected areas are the air quality sensor shown as A in Figure 1, 3 and 4 and the sealing surface between the firewall and air intake pipe housing shown as B in Figure 1 and 4. To remedy, proceed with the following.

1. Switch off wiper system and remove key from ignition.
2. Detach glove box and remove interior filter. Refer to WIS document AP83.00-P-8381GZ (code 580) or AP83.00-P-8384GZ (code 581).



3. Open the hood to check the water drain of the major assembly compartment (Figure 3, G) on the right side for debris and clean if necessary.
4. Remove the seal between the major assembly compartment partition/engine hood on the driver side (Figure 2, C) over a length of approx. 15cm and place in the engine compartment (Figure 2, D).
5. Route an external water hose (Figure 3, F) across the windshield on the driver side, across the area of the removed seal (Figure 2, C), through the engine compartment (above the wiper system), and into the area between the firewall and the air intake pipe housing on the passenger side (Figure 3, E).
6. Close the hood. The pressure of the hood sealing surface on the air/water box seal intensifies the water ingress, so the area of water entry can be clearly identified, then direct water from the external hose into the affected area.
7. Visually check vehicle interior for leaks. In the area of the removed interior filter, the sealing surfaces of the air quality sensor (Figure 1, 3 and 4, item A) and the sealing surface between the firewall and the air intake pipe housing (Figure 1 and 4, item B) are visible.
8. Seal off areas of the seal affected by water entry. Detach the air intake pipe housing by removing the retaining clip (Figure 1, H) and the two threaded connections (Figure 4, J). Seal the surfaces between the air quality sensor/air intake pipe housing (Figure 4, A) and firewall/air intake pipe housing (Figure 4, B) using Terostat 934 sealing compound (A004 985 29 20).
9. Repeat the leak test steps 5 and 6. If no water ingress can be found, remove the external water hose and reassemble the vehicle in the reverse order. If the retaining clip was not installed at the factory, retrofit a clip (Figure 1, H).

Note: If no water entry can be detected using this test, refer to DTB-T-62.25/09a

Qty.	Part Name	Part Number
1	Sealing compound	A003 989 01 71 ¹
1	Clip *	A002 991 12 70

¹ Sufficient for 25 cars, Submit as Local Purchase – STB00073, Qty 1, handling is included

*Additional clip A002 991 12 70 between body shell and air intake pipe housing is installed in series production since 05/22/2006.

Parts Information

Note: The following allowable labor operations should be used when submitting a warranty claim for this repair. This information has been generated on January 14, 2009. Please refer to Netstar --> Star TekInfo --> Star Time for the most current labor time allowance.

Operation: Ventilation dust filter, R&R/replace, if required (83-3095) R&R Hood seal and perform leak test (88-0000) Seal areas affected by water entry and recheck (83-0000)			
Damage Code	Operation Number	Time (hrs.)	Model Indicator (s)
83264 04 (water entry via air quality sensor)	83 3095	0.4 hrs.	EA, EB, EC, Z1, Z2, Z3, Z4, Z5
OR			
83004 04 (water entry via air firewall)	88 0000	0.3 hrs. *	EA, EB, EC, Z1, Z2, Z3, Z4, Z5
	83 0000	0.2 hrs. *	EA, EB, EC, Z1, Z2, Z3, Z4, Z5
* Maximum time allowed with a separate time punch. Ensure that punches are labeled as NON time.			

In Case of Warranty, use the table above.