



**DTB**

Date: November 30, 2004  
Order No.: P-B-54.18/118  
Supersedes:  
Group: 54

**SUBJECT: Model 171.456, Up to VIN F029642 (Production Date 8/24/04)  
Check Engine Light On**

If you receive customer reports in the above model vehicle of the check engine light being activated (various fault codes stored in engine ECU) and fuse N10/1f54 has blown, this may be due to possible chafing of the engine wiring harness at the front left lower engine compartment panel bracket (Figure 1 and 2). If chafing marks are found, proceed as follows to resolve.

1. Disconnect battery ground. Refer to WIS document AR54.10-P-0003V.
2. Remove encapsulation panels. Refer to WIS document AR61.20-P-1105TX.
3. Detach connectors of refrigerant pressure sensor (Figure 1, 1) and suction fan (Figure 2, 2).



Figure 1 P-B-54.18/118



Figure 2 P-B-54.18/118

4. Repair damaged wiring (Figure 3) and wrap with insulating tape.
5. Remove both tie straps on the radiator console (Figure 4-1) and install new tie straps (Figure 4-2).
6. Pull wiring harness upwards until it no longer is in contact with the engine compartment panel bracket (Figure 4).
7. The branch off for the fog light branch of the harness must be around the tie strap as outlined in Figure 5 (arrow).

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.

8. Tighten both tie straps and cut off protruding ends.
9. Reinstall connectors for refrigerant pressure sensor and suction fan and replace fuse N10/1f54. Refer to WIS document GF54.15-P-1256-03SK.
10. Connect battery ground. Refer to WIS document AR54.10-P-0003V.
11. Erase fault memory and perform quick test.



Figure 3

Figure 3

P-B-54.18/118

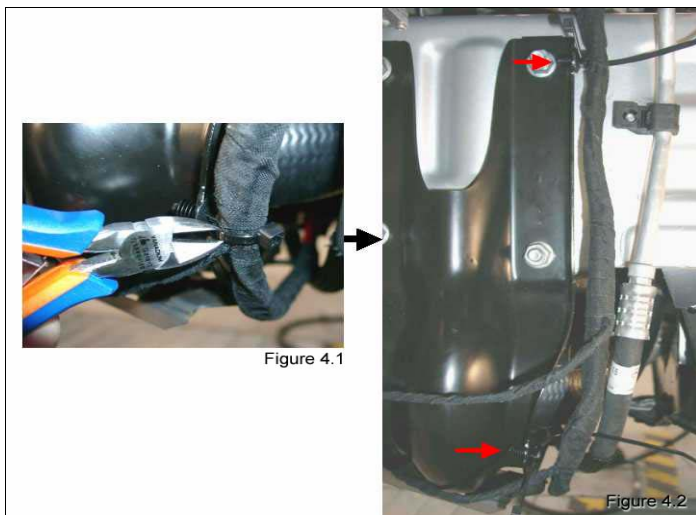


Figure 4.1

Figure 4.2

Figure 4-1 and Figure 4-2

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Figure 4

Figure 4

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Figure 5 P-B-54.18/118

**Parts Information**

Qty.	Part Name	Part Number
2	Tie straps	A004 997 98 90



**Note:** The following allowable labor operations should be used when submitting a warranty claim for this repair.

**In Case of Warranty**

**Operation:** Check wiring harness (includes R&R of encapsulation panels) (02-4581)  
 If necessary: Ground cable – electrical system battery (includes basic programming & R&R of air duct) (54-7989)  
 Repair engine wiring harness (02-4582) (after test)  
 Short test, perform (54-1011)

Damage Code	Operation Number	Time (hrs.)	Model Indicator (s)
59124 22	02 4581	0.4 hrs.	X1
If necessary:	54 7989	0.2 hrs.	X1
	02 4582	0.2 hrs.	X1
	54 1011	0.3 hrs.	00