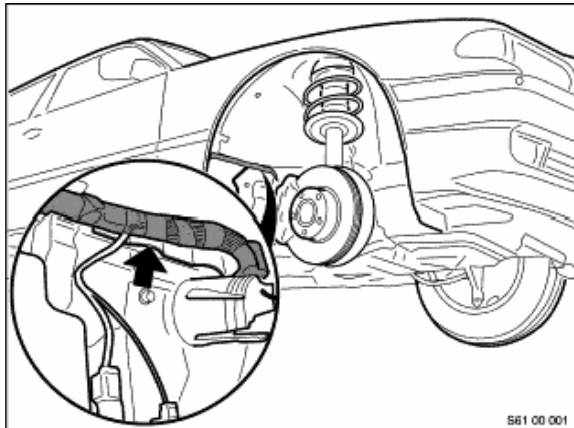


## Various electrical faults in front section of vehicle

E38

**Complaint:** Various faults can occur in one or more electrical systems, for example ABS, ASC, DSC, PDC (Park Distance Control), lighting, windscreen washer system, air conditioning etc. In some cases, the faults only occur intermittently. The warning lights or check control displays of the affected systems can be activated after the engine is started or while driving.

**Cause:** The wiring harness can be damaged by the metal panel (arrow) in the front-right wheel housing.



The previously known area (arrow) is located above the fluid reservoir of the windscreen washer system.

**Affected vehicles:** E38  
Manufacturing period: start of series production until 21st February 2000

**Procedure:** In case of customer complaint, check whether there is a red mark next to the type plate (right-hand side panel in the engine compartment). If the red mark is present, perform troubleshooting with DIS or MoDiC.

If there is no red mark next to the type plate, proceed as follows:

1. Connect DIS tester or MoDiC to vehicle. Perform the "Quick test" and read off the fault memory.  
If there are fault entries indicating damaged wiring, inspect the wiring harness in the area previously stated and repair it if necessary.
2. Remove the front right wheel and inner wheel housing trim.
3. Expose the wiring harness (see illustration above) from its retainers.
4. Remove the wiring harness insulation in the area described (arrow).
5. Expose and check the wires: if no damage can be detected, proceed with point 8.
6. Disconnect vehicle battery.
7. Repair any damaged wires as per Repair Instructions.  
Please refer to "Repairing a plug connection on a wiring harness using a butt connector".  
Repair Instructions 61 13...
8. Then wrap the wiring harness up along its length with insulating tape.
9. In addition, secure a foam support to the wiring harness with cable ties in the critical area.
10. Secure the wiring harness taught and free from vibrations.
11. Reinstall the wheel housing trim and wheel.

12. Clear the fault memory.

13. Make a red mark next to the type plate in the engine compartment (right-hand side panel).

**Parts:**

<b>Description</b>	<b>Part number</b>	<b>Qty.</b>
Foam support	16 11 1 181 918	1
Cable tie	61 13 1 377 134	2
Butt connector 0.2-0.5 dia.	61 13 8 353 746	as required
Butt connector 0.75-1.0 dia.	61 13 8 353 747	as required
Butt connector 1.5-2.5 dia.	61 13 8 353 748	as required
Shrink-fit tubing 0.2-5.0 dia.	61 13 1 379 833	as required
Insulating tape (33 mm)	83 19 9 407 798	1

**Reimbursement:**

Material and labour costs incurred can be claimed through the usual warranty channels subject to current warranty terms.

**Defect code**

**61 11 93 81 00**

This defect code is not contained in the official Defect Code Catalogue but has been included in the system, thus enabling warranty claims to be processed.

Within the scope of a visit to the workshop -  
Check wiring harness, front right:

Job number 00 52 788

Labour 11 FRUs

Within the scope of a visit to the workshop -  
Check/repair wiring harness, front right:

Job number 00 52 789

Labour 15 FRUs

In case of order without additional repairs  
Check wiring harness, front right:

Job number 00 52 188

Labour 13 FRUs

In case of order without additional repairs  
Check/repair wiring harness, front right:

Job number 00 52 189

Labour 16 FRUs

Warranty type 1

Warranty stage 1 (within vehicle warranty)  
2 (outside vehicle warranty)

It is only permitted to make a claim for reimbursement under one of the above job numbers.

Reimbursement is limited to **36 months/100,000 km** and only possible until **December 2001**.