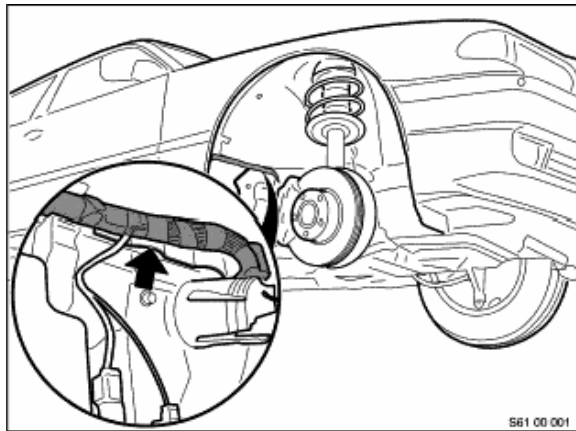


SUBJECT **Wiring Harness Damage Causes Various Electrical System Faults**

MODEL E38 (7 Series) Vehicles produced up to February 21, 2000

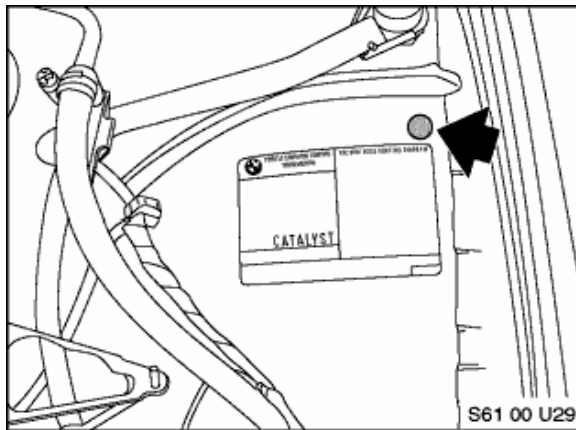
SITUATION Various faults can occur in the vehicle electrical systems. In some cases, the faults only occur intermittently. The warning lights or check control displays of the affected systems may be activated after the engine is started or while driving.

CAUSE



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

PROCEDURE



On a customer complaint basis only, where electrical faults have occurred, check for a red mark next to the vehicle emission label (right side of engine compartment).

- If the red mark is present, continue troubleshooting with DIS, or MoDiC.
- If the red mark is not present, connect the DIS or MoDiC to the vehicle. Perform a "Short test" and read off the fault memory. If there are fault entries indicating damaged wiring, check the wiring harness in the area of the front wheel housing as detailed below:

Only if red mark is not present, and there are fault codes stored which indicate damaged wiring:

1. Remove the front right wheel and inner wheel housing trim.

2. Expose the wiring harness (see illustration) from its retainers.
3. Remove the wiring harness tape in the area described (arrow).
4. Expose and carefully check the wires for damage to the insulation. If no damage can be detected, proceed with step 7.
5. Disconnect the vehicle battery.
6. Repair any damaged wires (refer to repair instructions 61 13... - Handling cables and crimping contacts).
7. Before reattaching the harness, wrap it along its length with insulating tape.
8. In addition, secure a foam support to the wiring harness with cable ties to prevent further wiring harness damage.
9. Secure the wiring harness so that it is tightly attached and free from the effect of vibration.
10. Reinstall the wheel housing trim and wheel.
11. Clear the fault memory.
12. Make a red mark next to the emission label - see illustration above.

PARTS INFORMATION

Part Number	Description	Quantity
16 11 1 181 918	Foam support	1
61 13 1 377 134	Cable tie	2
61 13 8 353 746	Butt connector 0.2 - 0.5 dia.	As needed
61 13 8 353 747	Butt connector 0.75 - 1.0 dia.	As needed
61 13 8 353 748	Butt connector 1.5 - 2.5 dia.	As needed
61 13 1 379 833	Shrink tubing 0.2 - 5.0 dia.	As needed
	Insulating tape (33 mm)	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty.

Defect Code	61 11 93 81 00
Labor Operation:	Check (no red dot present) wiring harness, front right - no repair necessary
Labor Operation	Labor Allowance
00 52 188	13 FRU
+00 52 788	11 FRU
Labor Operation:	Check (no red dot present) and repair wiring harness, front right

Labor Operation

00 52 189
+00 52 789

Labor Allowance

16 FRU
15 FRU

Note:

The following explanations will spell out the correct use of the work times.

Main Work:

Use this labor operation number
when the only repair performed
is the listed warranty repair.
OR

+Associated Work:

Use this labor operation number
when other repairs or services
are performed along with the listed
warranty repair.
Under no circumstances should both
labor operation numbers be claimed.
Attempts to claim both times will result
in an unnecessary delay in claim
processing and payment.