SUBJECT Fuel Gauge Stays Empty after Refueling / Fuel Gauge Erratic

MODEL

Z3 roadster/coupe, M roadster/coupe (E36/7). Vehicles produced before December 15, 2000

SITUATION

The customer complains that after refueling the fuel gauge stays on empty, or the operation of the fuel gauge is erratic.

For Z3 from 9/98, and M roadster/coupe, FC 2 (Fuel sensor voltage plausibility) will be set in the Instrument Cluster.

CAUSE

The formation of a non-conducting deposit on the conductor surface of the fuel level sensor

CORRECTION

On a customer complaint basis only remove and replace the fuel level sensor with "Gold system" sensor (refer to repair instructions 16 12 000).

PARTS INFORMATION

Part Number	Description	Quantity
16 14 6 756 323	Fuel pump / level sensor	1

WARRANTY INFORMATION

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

Defect Code **16 14 93 18 00**

Labor Operation: Remove and replace fuel level sensor

Labor Operation	Labor Allowance
00 52 342	13 FRU
+00 52 961	11 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.