



Advance Information

This Service Information bulletin supersedes S.I. B11 07 03 **dated February 2004.**

NEW designates changes to this revision

SUBJECT

Engine Low Oil Level Warning With Ignition Off

MODEL

NEW E39 (M54, M62TU) with Xenon lights (option 522) produced in 03/03

NEW E53 (M54, M62TU) with Xenon lights (option 522) from 10/02 up to 03/03

MODEL II

All with M52TU, M54, S54, M56, M62, S62, and M73 Engines

SITUATION

In certain instances the customer may complain of the low oil level light on or a low oil level message in the check control after the ignition has been turned off. Checking the oil level with the dipstick shows the correct oil level.

Important Note:

For the complaint of "low oil level message displayed while driving, on X5 4.4 up to 10/02 production", refer to Service Measure B11 200 04 (January '04).

CAUSE I

Coding data error in Light Check Module IV (LCM IV).

CAUSE II

The oil level sensor has been contaminated, reducing the capability of the sensor to accurately determine oil level.

CORRECTION FOR CAUSE I

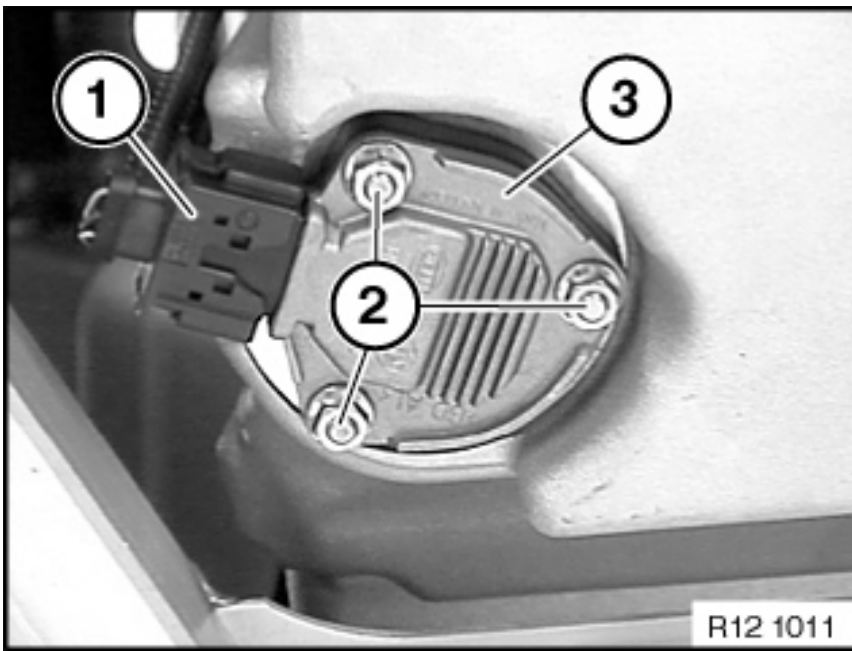
NEW **On a customer complaint basis only**, recode the LCM module with DIS CD 34, or higher.

CORRECTION FOR CAUSE II

NEW **On a customer complaint basis only**, replace the oil level sensor and refill engine with fresh oil.

PROCEDURE II

Ensure the engine is warm. Loosen oil filter cover to allow engine oil to drain into oil pan. Raise vehicle on hoist. Remove any underbody paneling or reinforcement as necessary to gain access to the sensor. Drain the oil. Disconnect the plug connection (1) and unscrew the three nuts (2) fastening the sensor to the oil pan. Clean the sealing surface of the oil pan in the location of the sensor. Replace the sensor and gasket ring with new parts. Reinstall the underbody paneling or reinforcement and lower vehicle. Tighten the oil filter housing cover and refill crankcase to proper level with new oil. **Do not reuse the original oil!**



PARTS INFORMATION

Part Number	Description	Quantity
12 61 7 508 003	Oil level sensor	1
12 61 1 744 292	Gasket ring	1
07 51 0 017 866	Oil	Amount as necessary to fill.

WARRANTY INFORMATION FOR CAUSE I

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

Defect Code	62 11 96 18 00	Recode LCM IV module
Main Labor Operation:	00 54 116	
+ Associated Operation	00 54 684	
Labor Allowance:	Main Labor:	+ Associated Labor:
	4 FRU	2 FRU

WARRANTY INFORMATION FOR CAUSE II

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

Defect Code	12 61 00 15 00	Replace oil level sensor with gasket, refill engine with fresh oil
Main Labor Operation:	12 61 285	
+ Associated Operation	12 61 585	
Labor Allowance:	Refer to the appropriate KSD CD for appropriate FRUs	
Sublet code 4	Sublet allowance - Oil	As necessary to refill the crankcase

at dealer net plus 40% handling
(BMW brand oil) without filter
replacement.