



## ***RATTLING NOISE FROM ENGINE IN NEUTRAL***

### **MODEL**

F39 (X2 M35i Sports Activity Coupe)	G20 (330i Sedan)	G29 (Z4 sDrive30i Roadster)
-------------------------------------	------------------	-----------------------------

Produced from April 1, 2018 thru March 31, 2019

### **SITUATION**

Rattling noises coming from the oil sump and crankcase area when the engine is running, with the transmission in neutral. The noise can be heard outside the vehicle, as seen in this [video](#).

The noise disappears for a short time or the noise gets quieter briefly if the brake pedal is pressed several times in succession (pumping the brake pedal).



Note: The engine temperature does not have any significant effect on the noise, and there is no relevant fault saved in the DME fault code memory.

### **CAUSE**

The noise is caused by the combined oil/vacuum pump unit, which transfers the noise to the oil sump and crankcase.

### **PROCEDURE**

If the customer complaint is the same shown in the video, proceed as follows.

#### Localize the noise source:

- Start the engine (Air conditioning and fan must be switched off)
- The lower the idle speed, the louder the noise will be
- Wait until the catalytic converter warm-up phase is over

If the noise gets quieter when the brake pedal is briefly pressed several times in succession (pumping the brake pedal), the reason for the noise is the oil vacuum pump unit.

Or:

If the noise gets quieter when the vacuum line to the brake booster is unplugged, the reason for the noise is the oil vacuum pump unit.

Replace oil vacuum pump unit per REP – “11 41 000 - Removing and installing/replacing oil pump ”, if identified in the steps above.

## PARTS INFORMATION

Confirm the part numbers for your specific vehicle by entering the chassis number in ETK/AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
11 41 8 631 810	Oil/vacuum pump assembly	1

### Bulk Materials

Part Number	Description	Quantity
83 21 2 461 990	BMW Group LL-17 FE+ 0W-20 (drum)	Sublet as needed
83 21 2 461 991	BMW Group LL-17 FE+ 0W-20 (bulk)	Sublet as needed



Note: Other small parts such as screws, nuts and seals, which are to be replaced according to the repair instructions, are to be taken from the Electronic Parts Catalogue for the vehicle type and invoiced under the special defect code.

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

<b>Defect Code</b>	<b>11 41 00 39 00</b>	<b>Oil pump/oil vacuum pump/oil pump counterbalance shaft unit (including control line) disruptive noises</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
11 41 000	Refer to AIR	Removing and installing/replacing oil pump (Main work)
Or:		
11 41 501	Refer to AIR	Removing and installing/replacing oil pump (Plus work)
And:		
11 99 000	Work time (WT)	Work time to localize the source of the noise described in this bulletin as outlined in the Procedure (Vehicle already in the workshop)

If you are using a Main labor code for another repair, use the Plus code labor operation 11 41 501 instead of 11 41 000.

Refer to AIR for the corresponding flat rate unit (FRU) allowance.

Work time labor operation code 11 99 000 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

And:

**Only when, during the same workshop visit, the engine oil service task does not show Recommended, Due or does not qualify to be performed based on the 60-day Bundling (B01 06 13) or the BMW Maintenance Program has expired.**

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (Please do not use the part number for claim submission)
---------------	--------------------------------------------	--------------------------------------------------------------------------------------------------------------

Sublet reimbursement calculation for claiming the used quantity of repair-related bulk material (BMW part number) is at dealer net plus your center's handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.