

**SUBJECT****Clicking Noise from Front Axle****MODEL**

F15 (X5)

**SITUATION**

A high-pitched metallic clicking noise is heard from the front axle when taking off from a stop or during a load reversal (reverse to drive).

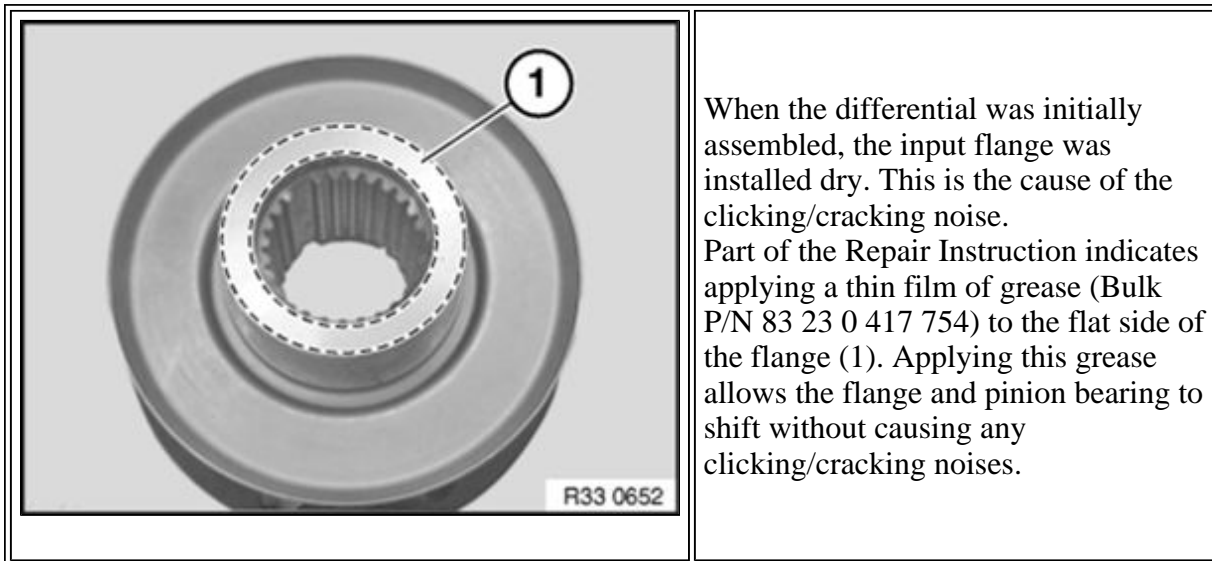
**CAUSE**

The preset axial play in the input flange to pinion bearings of the front differential may create a metal-on-metal "crack" noise when load reversing.

**CORRECTION**

Remove the input flange from the front differential (refer to Repair Instruction RA 31 51 010).

**Do not replace any parts when performing the repair (the input flange seal stays installed).**



Reinstall the flange as described in the Repair Instruction.

**PARTS INFORMATION**

Part Number	Description	Quantity
83 23 0 417 754	Grease Optitemp HT 1 LF (50g)	See below

**WARRANTY INFORMATION**

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

<b>Defect Code:</b>	<b>31 50 00 39 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>

31 51 010	Refer to KSD	Remove and install input flange (to apply grease)
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Labor operation code 31 51 010 is a Main labor operation.

If you are using a Main labor code for another repair, then use the Plus code labor operation 31 51 510 or the Associated labor operation 31 51 511 when the front propeller shaft is already removed to perform another repair.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the "Search" button, and then enter the applicable flat rate labor operation in the FR code field.

And

### Sublet – Bulk Materials

Sublet Code 4	\$1.00	Sublet reimbursement up to the amount listed for used quantity of grease (Bulk P/N 83 23 0 417 754). Please do not use this part number for claim submission.
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