



## SUBJECT

### Clicking Noise from Front Axle

## MODEL

E70

E71

F01

F02

F04

F07

F10

F12

F13

## SITUATION

Clicking noises are heard from the front axle area while maneuvering at low speeds (e.g., parking lot maneuvers).

## CAUSE

Movement between the contact surfaces of the wheel bearing and swivel bearing (knuckle)

## PROCEDURE

Confirm the noise is coming from the front wheel bearing area and remove the front wheel bearing. Use repair kit P/N 83 19 2 298 825 to clean up the mating surfaces of the wheel bearing and the swivel bearing (steering knuckle).

The repair procedure can be found in ISTA/D: Function structure/05 Non-electrical diagnosis-NED/02 Chassis and suspension/ 01 Interference noise/ Front axle interference noise – ABL AM3101\_00005-Front axle interference noises.

## PARTS INFORMATION

Part Number	Description	Quantity
83 19 2 298 825	Repair kit	1 or 2

## WARRANTY INFORMATION

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

**Defect Code: 31 21 00 39 00**

### Repairing One Side

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
31 21 180	Refer to KSD	Replacing bearing of front wheel
and		
31 99 000	3 FRU	Work time to treat mating surface of wheel bearing/swivel bearing (one side)

Labor operation code 31 21 180 is a main labor operation; if you are using a main labor code for another repair, use the plus code labor operation 31 21 578. When the front brake caliper/brake disc is removed, use 31 21 579. When the front wheel is removed, use 31 21 580.

or

### Repairing Both Sides

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
31 21 181	Refer to KSD	Replacing bearing of both front wheels
and		
31 99 000	6 FRU	Work time to treat mating surface of wheel bearing/swivel bearing (both sides)

Labor operation code 31 21 181 is a main labor operation; if you are using a main labor code for another repair, use the plus code labor operation 31 21 584. When the front brake calipers/brake discs are removed, use 31 21 583. When the front wheels are removed, use 31 21 581.

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.

Even though work time labor operation code 31 99 000 ends in "000," it is not considered a Main labor operation.

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