



SI B31 01 12  
Front Axle

June 2015  
Technical Service

This Service Information bulletin supersedes SI B31 01 12 **dated May 2014**.

**NEW** designates changes to this revision

#### SUBJECT

**Clicking Noise from Front Axle**

#### MODEL

F01, F02 (7 Series Sedan)

F04 (ActiveHybrid 7)

**NEW** F06 (6 Series Gran Coupe)

F07 (5 Series Gran Turismo)

F10 (5 Series Sedan)

F12 (6 Series Convertible)

F13 (6 Series Coupe)

F15 (X5)

#### 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 Front axle interference noises.

#### PARTS INFORMATION

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

#### **NEW** WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

<b>Defect Code:</b>	<b>31 21 00 39 00</b>	
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#### Repairing One Side

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<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)

If you are using a Main labor code for another repair, use the Plus code labor operation 31 21 578 instead.

With a front brake caliper/brake disc removed, use 31 21 579 or if 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)

If you are using a Main labor code for another repair, use the Plus code labor operation 31 231 584 instead.

With the front brake calipers/brake discs removed, use 31 21 583 or if both front wheels are removed, use 31 21 581.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 31 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowances to be claimed are specified, a separate punch time is not required.

### ATTACHMENTS

View PDF attachment [B310112 Repair Instructions](#).

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