






SI B31 01 12
Front Axle

August 2016
Technical Service

CLICKING NOISE FROM FRONT AXLE

This Service Information bulletin supersedes SI 31 01 12 dated June 2015

MODEL

 E70 (X5)	 E71 (X6)	F15 (X5)	 F16 (X6)
F01, F02 (7 Series Sedan)	F04 (ActiveHybrid 7)	F06 (6 Series Gran Coupe)	F07 (5 Series Gran Turismo)
F12 (6 Series Convertible)	F13 (6 Series Coupe)		

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

WARRANTY INFORMATION

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

Defect Code:	31 21 00 39 00	
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Repairing One Side

Labor Operation:	Labor Allowance:	Description:
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

Labor Operation:	Labor Allowance:	Description:
31 21 181	Refer to KSD	Replacing bearing of front wheel
And:		
31 99 000	6FRU	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 31 231 584 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 [20130722 154101 FUB-HIL-RHI-310001 F12](#).

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