



SI B31 06 14  
Front Axle

August 2015  
Technical Service

This Service Information bulletin supersedes SI 31 06 14 dated **October 2014**.

**NEW** designates changes to this revision

## SUBJECT

**Front Axle Noise when Turning at Low Ambient Temperatures**

## MODEL

I01 (i3 and i3 REx)

## SITUATION

A grating and/or squeaking noise from the front axle occurs when turning at low speeds or idle.

The noise is most noticeable at low temperatures (approx. 32 degrees F), but not unusual at higher temperatures and after driving.

## CAUSE

Friction between the spring pad and the strut upper support bearing is causing the noise.

## **NEW** CORRECTION

	<p>Replace both upper spring pads with guard tube of the front spring struts. Refer to repair manual REP 31 31 031. The improved upper spring pads can be identified by an index 03 following the part number. P/N 31 33 6 852 223-03</p>
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## **NEW** PARTS INFORMATION

Part Number	Description	Quantity
31 33 6 852 223	Spring pad with guard tube, top	2
33 32 6 760 368	Hex nut M12X1.5-10	2
07 14 7 186 929	Hex bolt M8X35	6
07 12 9 907 324	ASA screw 10x85	2
33 32 6 768 884	Hex nut M10-10	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 33 01 39 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
31 33 120	Refer to KSD	Removing and installing or replacing coils springs on both front spring struts

If you are using a Main labor code for another repair, use the Plus code labor operation 31 33 589 instead. If the springs struts are already removed, use 31 33 590.

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

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