



SI B31 03 12  
Front Axle

December 2012  
Technical Service

## SUBJECT

**Groaning Noise from Front Axle**

## MODEL

F01

F02

F06

F07

F10

F12

F13

With xDrive to 5/31/2012

## SITUATION

Groaning noises are heard from the front axle area while maneuvering at low speeds (e.g., parking lot maneuvers) or over uneven road surfaces.

## CAUSE

Hydraulic mount in tension strut

## PROCEDURE

Confirm the groaning noise is coming from the front axle area and isolate to either the driver's or passenger's side. Replace the tension strut with hydraulic mount for the affected side, following the Repair Instruction 37 12 050.

## PARTS INFORMATION

Part Number	Description	Quantity
31 12 4 081 431	Tension strut, left (F01, F02 and F07)	1
31 12 4 081 432	Tension strut, right (F01, F02 and F07)	1
31 12 4 083 309	Tension strut, left (F06, F10, F12 and F13)	1
31 12 4 083 310	Tension strut, right (F06, F10, F12 and F13)	1

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

**Defect Code:**           **31 12 07 39 00**

### **Repairing One Side**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
31 12 050	Refer to KSD	Removing and installing or replacing left or right tension strut

Labor operation code 31 12 050 is a Main labor operation; if you are using a Main labor code for another repair, use the Plus code labor operation 31 12 626.

or

### **Repairing Both Sides**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
31 12 080	Refer to KSD	Removing and installing or replacing both tension struts

Labor operation code 31 12 080 is a Main labor operation; if you are using a Main labor code for another repair, use the Plus code labor operation 31 12 627.

Wheel alignment is not required for this repair.

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