



SI B33 01 13  
Rear Axle

July 2013  
Technical Service

## SUBJECT

**Rattle from Rear Suspension over Rough Road Surfaces**

## MODEL

F10 M5

With the S63T engine

Produced to 3/2013

## SITUATION

A rattling noise is heard from the rear suspension over rough or uneven road surfaces. This noise may be more prevalent when the Electronic Damper Control (EDC) setting is set to "Comfort" mode.

## CAUSE

Rear coil springs may create an unfavorable contact noise during suspension travel, due to the progressive characteristics of the M5 suspension.

## CORRECTION

After verifying customer's complaint, replace the rear coil springs (refer to the Spring Table in EPC) and both front and rear auxiliary dampers for the shock absorbers (bump stops).

## PARTS INFORMATION

Part Number	Description	Quantity
Refer to EPC Spring Table	Coil spring - rear	2

Parts required for rear dampers and springs:

33 53 6 855 993	Auxiliary damper - rear	2
07 11 9 905 374	Self-locking collar nut M8-10 ZNS3	6
32 21 6 769 539	Self-locking hex nut M12x1.5-05 ZNS3	2
33 50 6 779 488	Hex bolt M14x105 ZNS3	2

Parts required for front dampers:

31 33 6 776 144	Auxiliary damper - front	2
07 12 9 904 876	Hex nut M6-8-ZNS3	2
31 10 6 789 333	Torx screw M10x59-10.9 ZNS	2
31 10 6 765 451	Combination nut M10-22H ZNS3	2

33 30 6 760 585	Combination nut M10-10 ZNS3	4
37 10 6 789 678	Hex nut with flange M12x1.5-10-ZNS3	4
33 30 6 760 349	Self-locking collar nut M14x1.5-10 ZNS3	2
07 11 9 906 495	Hexagon screw with flange M14x90-10.9	2
34 33 9 806 226	Nut, self-locking M14x1.5-05 ZNS3	2

#### WARRANTY INFORMATION

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

Covered under the terms of the BMW Certified Pre-Owned Program: The coil springs are the primary coverage component; the auxiliary dampers are consequential.

<b>Defect Code:</b>	<b>33 53 00 39 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
33 53 020	Refer to KSD2	Replace both rear coil springs and install new auxiliary dampers
and		
37 11 534	Refer to KSD2	Remove left and right front struts and replace auxiliary dampers

Labor operation code 33 53 020 is a main labor operation. If you are using a main labor code for another repair, use the plus code labor operation 33 53 575 instead.

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.

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