



SI M33 02 12  
Front Axle

January 2013  
Technical Service

## SUBJECT

**Cracking or Popping Noise from Rear Axle**

## MODEL

R60

## SITUATION

A cracking or popping noise is heard from the rear axle during take-offs or during load reversal.

## CAUSE

Rear axle nut incorrectly torqued

## PROCEDURE

Confirm the noise is coming from the wheel bearing area and isolate which side the noise is coming from. Replace the affected axle nut (P/N 31 10 6 773 005) and torque to 250Nm. Peen the nut after torquing.

See [SI M31 03 12](#) for “noise from the front axle”.

## PARTS INFORMATION

| Part Number     | Description | Quantity |
|-----------------|-------------|----------|
| 31 10 6 773 005 | Axle nut    | 1        |

## WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty.

**Defect Code:** 33 21 08 37 00

### One Side

| Labor Operation: | Labor Allowance: | Description:                       |
|------------------|------------------|------------------------------------|
| 36 10 300        | Refer to KSD2    | Removing and installing rear wheel |
| and              |                  |                                    |
| 33 99 00         | 1 FRU            | Replace the axle nut               |

Labor operation code 36 10 300 is a Main labor operation. If you are already using a Main labor code for another repair; use the Plus code labor operation 36 10 800 instead.

or

### Both Sides

| Labor Operation: | Labor Allowance: | Description:                             |
|------------------|------------------|------------------------------------------|
| 36 10 340        | Refer to KSD2    | Removing and installing both rear wheels |

and

33 99 00

2 FRU

Replace the axle nuts

Labor operation code 36 10 340 is a Main labor operation. If you are already using a Main labor code for another repair, use the Plus code labor operation 36 10 810 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.

Even though work time labor operation code 33 99 000 ends in “000,” it is not considered a Main labor operation.

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