



SI M51 03 16  
Body Equipment

March 2016  
Technical Service

## SUBJECT

**Air Intake Makes Rattle Noise At Engine Idle**

## MODEL

F54 (Cooper S Clubman)

F55 (Cooper, Cooper S Hardtop 4 door)

F56 (Cooper, Cooper S Hardtop 2 door)

F57 (Cooper, Cooper S Convertible)

## SITUATION

Engine has rattle noise from engine compartment.

Check Hyperlink for video of rattle noise at engine idle. <http://tinyurl.com/zwb8e6s>

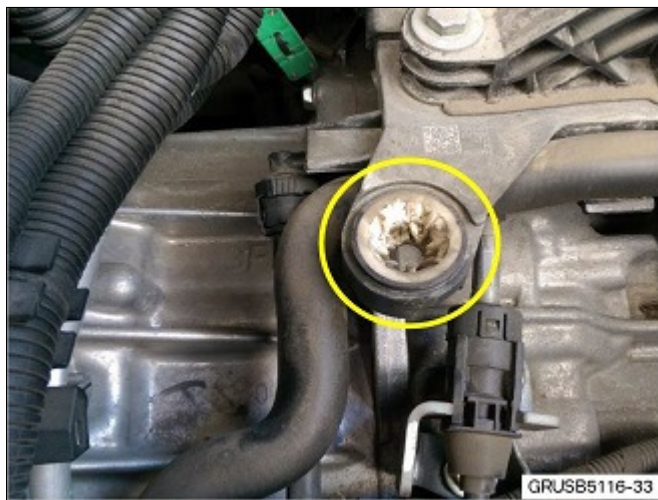
## CAUSE

Worn buffer in the battery tray

## CORRECTION

Replace the battery tray

## PROCEDURE



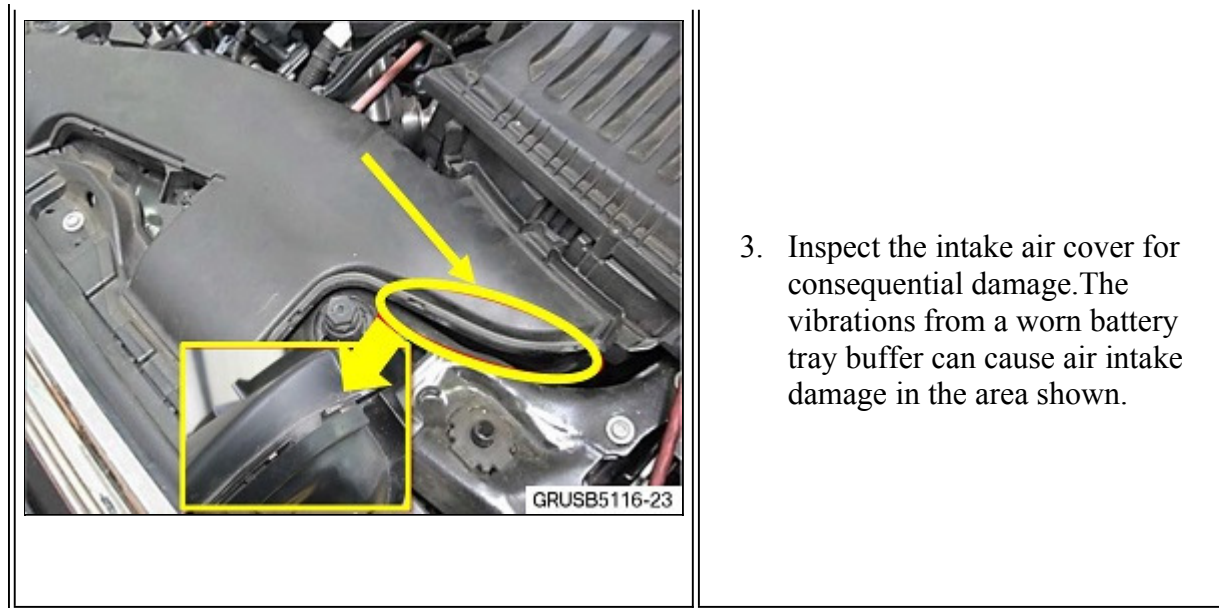
1. Inspect battery tray buffer.

Worn buffer (shown) can cause the engine rattle noise at idle.

2. **Is buffer worn?**

YES- Replace the battery tray.

NO – Continue standard troubleshooting to determine cause.



#### PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK	Battery tray	1
Refer to ETK	Intake air duct	If needed

#### WARRANTY INFORMATION

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

<b>Defect Code:</b>	<b>41 11 02 39 00</b>	
Labor Operation:	Labor Allowance:	Description:
61 21 010	Refer to KSD2	Remove and install battery(to access the tray)

If you are using a Main labor code for another repair, use the Plus code labor operation 61 21 510 instead.

And, if necessary:

Labor Operation:	Labor Allowance:	Description:
13 71 531	Refer to KSD2	Removing and installing or replacing air intake duct

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

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