



SI B51 25 16
Body Equipment

December 2018
Technical Service

RATTLE FROM DOOR LOCK STRIKER

New information provided by this revision is preceded by this symbol  .

This Service Information bulletin replaces SI B51 25 16 **dated August 2016**

What's New:

- I15 model added

MODEL

i12 (i8)	 I15 (I8 Roadster)
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SITUATION

A rattle may be heard from the driver's side or passenger's side door lock striker, or the door lock striker may show evidence of improper contact. The paint on the striker may be worn off.

CAUSE

Improper adjustment of the door lock striker.

CORRECTION

Adjust the door lock striker, replace the door lock striker if damaged (paint removed from striker surface).

PROCEDURE

Refer to the attached procedure for adjustment.

PARTS INFORMATION

Part Number	Description	Quantity
51 21 7 312 982	Door Striker (Catch)	1 or 2 as needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	5121014100
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Adjusting One Side

Labor Operation:	Labor Allowance:	Description:
51 21 004	Refer to AIR/KSD2	Adjusting left or right front door catch (Main work)

Or:		
51 21 504	Refer to AIR/KSD2	Adjusting left or right front door catch (Plus work – Vehicle already in the workshop)

Or:

Adjusting Both Sides

Labor Operation:	Labor Allowance:	Description:
51 21 024	Refer to AIR/KSD2	Adjusting both front door catches (Main work)
Or:		
51 21 524	Refer to AIR/KSD2	Adjusting both front door catches (Plus work – Vehicle already in the workshop)

Or:

Or:

Replacing One Door Catch

Labor Operation:	Labor Allowance:	Description:
51 21 003	Refer to AIR/KSD2	Replacing left or right front door catch (Main work)
Or:		
51 21 503	Refer to AIR/KSD2	Replacing left or right front door catch (Plus work – Vehicle already in the workshop)

And, if necessary:

Adjusting the Other Side.

And, if necessary		
51 21 504	Refer to AIR/KSD2	Adjusting the other front door catch (Plus work – Vehicle already in the workshop).

Or:

Replacing Both Sides

Labor Operation:	Labor Allowance:	Description:

51 21 021	Refer to AIR/KSD2	Replacing both front door catches (Main work).
Or:		
51 21 521	Refer to AIR/KSD2	Replacing both front door catches (Plus work – Vehicle already in the workshop).

Refer to AIR/KSD2 for the corresponding flat rate unit (FRU) allowance.

Posted: Thursday, December 13, 2018

ATTACHMENTS

View PDF attachment [Repair Procedure for SI B51 25 16](#).

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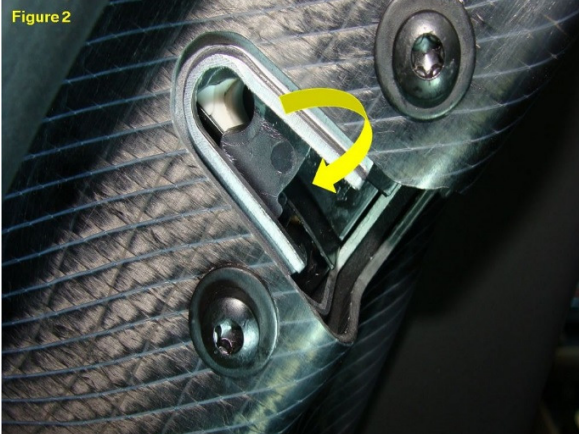
Figure 1 	1. Open and close door while noting the contact between the door striker and door lock mechanism. Look for a worn area on door lock striker. If paint surface damage to striker is observed, replace striker before proceeding. Refer to ISTA Repair instructions "51 21 003 Replacing door detent (lock striker), front left or right". Note: If the striker has to be replaced, make sure to mark the current position of the striker (with tape) to avoid having to adjust striker excessively.
Figure 2 	2. With door open, manually close the door lock mechanism as shown
Figure 3 	3. Carefully close the door until the door lock striker contacts the closed door lock mechanism. Note: Close door carefully as to not damage striker or door lock actuator.

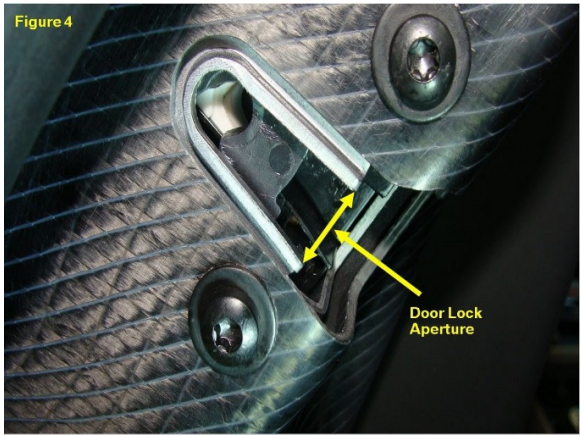
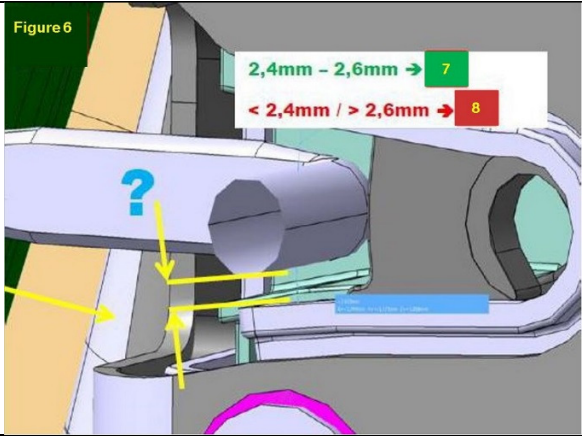
Figure 4  Door Lock Aperture	4. The clearance between the door lock aperture and striker will be checked in the next steps.
Figure 5 	5. Make sure door is closed as shown with the door lock mechanism (latch closed) touching the striker.
Figure 6  2,4mm - 2,6mm → 7 < 2,4mm / > 2,6mm → 8	6. Determine the distance between the lower edge of the door lock aperture and striker with a feeler gauge. (Nominal value = 2.4 mm to 2.6 mm). If the observed value is between 2.4 mm and 2.6 mm, proceed to Step 7. If the observed value is less than 2.4mm or greater than 2.6 mm, proceed to Step 8. Note: Graphic shown is the right side door.

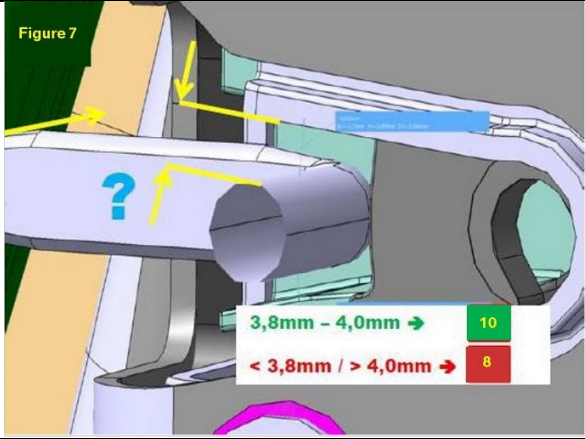
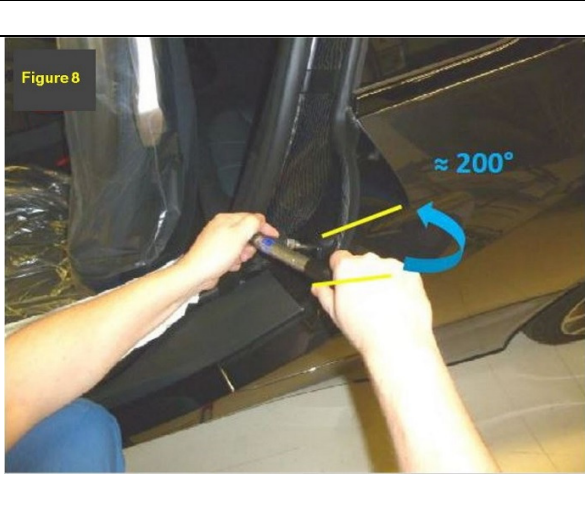
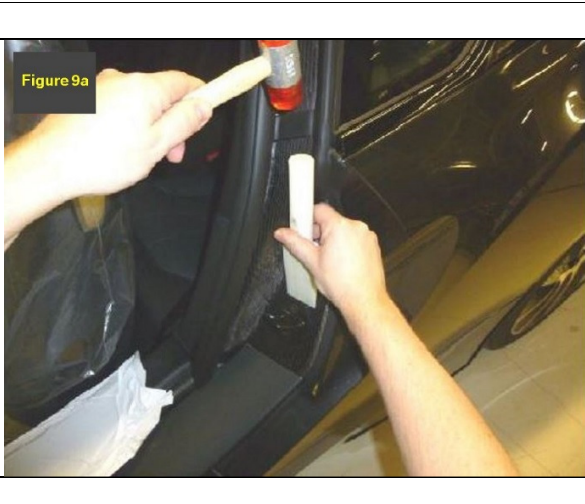
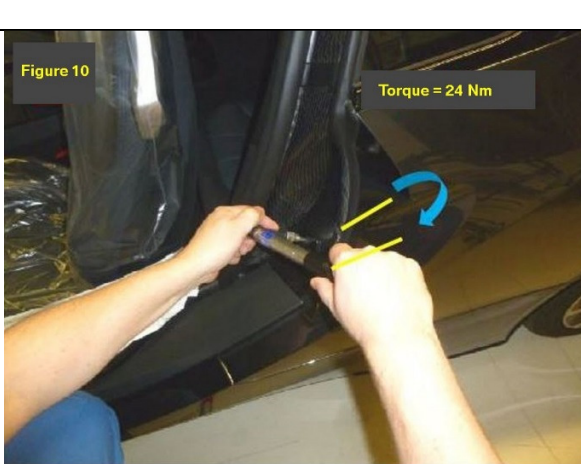
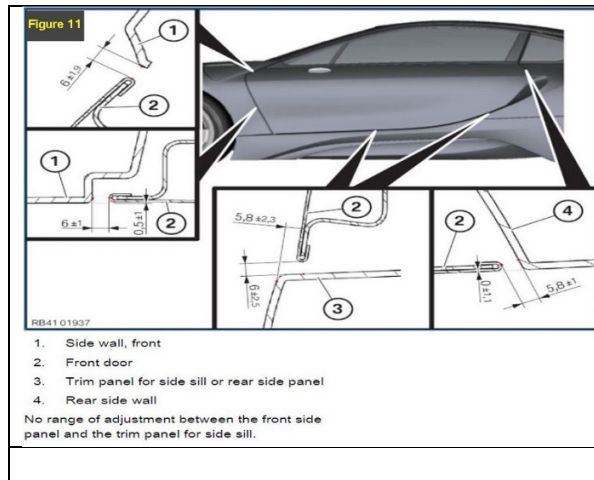
Figure 7 	7. Determine the distance between the upper edge of the door lock aperture and striker with a feeler gauge. (Nominal value = 3.8 mm to 4.0 mm). If the observed value is between 3.8 mm and 4.0 mm, proceed to Step 10. If the observed value is less than 3.8mm or greater than 4.0 mm, proceed to Step 8.
Figure 8 	8. If the measurements are outside the stated nominal values, loosen the two striker screws (approximately 200 degrees max), and adjust striker accordingly (refer to figure 9a through 9c for adjustments). Once the lower adjustment is correct, proceed with upper measurement/adjustment (Step 7). Note: Do not completely loosen the door lock striker. Only make incremental adjustments.
Figure 9a 	9. If adjustment is needed, move the striker in the direction needed (See figures 9a through 9c). Note: Use only plastic tools to avoid scratching or gouging the carbon fiber substrate. Note: The Plastic Wedge tool shown can be found in BMW tool kit #009 310 (order # 83 30 0 490 527).

 Figure 9b	
 Figure 9c	
 Figure 10 Torque = 24 Nm	10. Once the proper adjustment is obtained, proceed, tighten the door lock striker attachment bolts to the proper torque specification. Then, proceed to Step 11 to check gaps between door and body.



11. In this step, the body gaps must be rechecked. Look in ISTA, Group 41 and refer to "4100...Gap dimensions, body. Using an appropriate feeler gauge, check to ensure proper body gaps. Correct if necessary.

Note: In order to check gaps, BMW Special Tool # 009 470 can be used (Order # 83 30 0 496 076).