



SI B51 09 13
Body Equipment

September 2013
Technical Service

This Service Information bulletin supersedes SI B51 09 13 **dated May 2013**.

NEW designates changes to this revision

SUBJECT

NEW Door Springs into Pre-Locking Position

MODEL

NEW

F01

F02

F04

F06

F07

F10

F12

F13

SITUATION

When the customer closes the door, it may seem that the door has closed completely. However, it is only in the pre-locking position, not the fully locked position. A check control message indicates that the door is open.

Note: The door will **not** completely open when either in the pre-locking or the fully locked position

CAUSE

- Door adjustment (closing effort too high)
- Incorrect routing of the Bowden cable (outside and inside door handle)
- Heavy accumulation of dirt and grime in the door lock

PROCEDURE

1. Check the opening and closing effort of the affected door. If the door requires too much effort to close or springs open too aggressively, the door adjustment must be checked first. Refer to ISTA Repair Instruction 41 15 ... "Adjust Door."
2. Check the inner and outer handles (only the affected door handle as described in steps 3-6) to determine if

the lock is under tension by measuring the “trigger point” of the door handles. This is the first step to assist you in checking the routing of the Bowden cables **WITHOUT** removing the door panels.



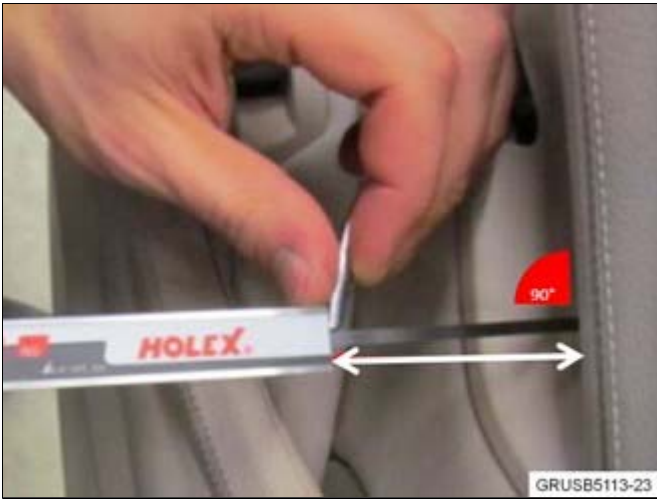
3. Close the front door and pull the outer door handle to the “trigger point” when the door first pops open. Measure the distance from the edge of the inside of the outer door handle to the metal door skin, as shown. The “trigger” distance should be between 24 mm-27 mm. Note: A scale or tape measure is physically too large to accurately make this measurement. A sliding caliper must be used for accuracy.



4. Use the same procedure in step 3 to measure the outer rear door handle. The “trigger” distance should be between 24 mm-26 mm.



5. Repeat the measurement procedure for the front inner door handle. Measure the distance from the edge of the inner door handle to the inside trim pocket, as shown. The “trigger” distance should be between 65 mm-68 mm. Maintain a 90-degree angle to the door pocket when making this measurement. Always perform your measurements with a sliding caliper, and keep the measurement tool square to the door.



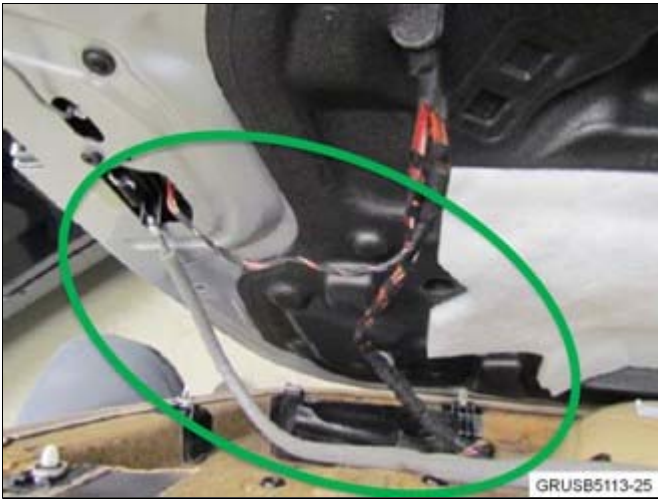
6. Repeat the measurement procedure for the rear inner door handle. Measure the distance from the edge of the inner door handle to the trim pocket, as shown. The “trigger” distance should be between 78 mm-80 mm.

7. If the measurements are out of the specified range or the door open message is still displayed, the next step is to inspect the Bowden cable routing of the affected door. Remove the door trim panel. Refer to ISTA Repair Instruction 51 41 000, “Removing and installing left or right front door trim panel” or 51 42 100 “Remove and install left or right rear door trim panel.”



8. Check the Bowden cable routing of the inside door handle. This picture shows the cable being routed **incorrectly** in the upward direction. This will create pretension of the cable to the lock.

9. The cable must be **correctly** routed in a downward direction from the door handle, and then in an upward loop to the door lock. This type of routing allows smooth tension-free operation of the cable.



10. The Bowden cable for the outside door handle (inside door shell) must be routed in the same manner. Note: The cable shown has a smooth downward then upward loop.

11. If all measurements and cable routings are correct and the “door open” display is still shown, check the driver’s door lock rotary tumbler (with key) for smooth operation.
12. If further diagnosis is needed, work through test module AM5102_00035, “Door Lock Malfunction.”
13. Reinstall all removed parts in the reverse order of their removal.

WARRANTY INFORMATION

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

Front Door (Left/Right or Both)

Defect Code:	51 21 04 34 00	
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Select the labor operations that apply to the scope of the work performed.

Labor Operation:	Labor Allowance:	Description:

41 51 004	Refer to KSD2	Adjusting door left or right front
and if necessary, also		
41 99 000	2 FRUs	Adjusting the other front door

And based on the above:

Labor Operation:	Labor Allowance:	Description:
51 41 503	Refer to KSD2	Removing and installing left or right front door trim panel
or		
51 41 505	Refer to KSD2	Removing and installing both front door trim panels

and

Labor Operation:	Labor Allowance:	Description:
51 99 000	3 FRUs	Work time to complete the repair procedure to one front door
or		
51 99 000	6 FRUs	Work time to complete the repair procedure to both front doors

Labor operation code 41 51 004 is a Main labor operation. If you are using a Main labor code for another repair or this repair, use the Plus code labor operation 41 51 504 instead.

and/or

Rear Door (Left/Right or Both-NEW Excluding F12 and F13)

Defect Code:	51 22 17 34 00	
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Select the labor operations that apply to the scope of the work performed.

Labor Operation:	Labor Allowance:	Description:
41 52 004	Refer to KSD2	Adjusting door left or right rear
and if necessary, also		
41 99 000	2 FRUs	Adjusting the other rear door

And based on the above:

Labor Operation:	Labor Allowance:	Description:
51 42 503	Refer to KSD2	Removing and installing left or right rear door trim panel
or		
51 42 505	Refer to KSD2	Removing and installing both rear door trim panels

and

Labor Operation:	Labor Allowance:	Description:
51 99 000	3 FRUs	Work time to complete the repair procedure to one rear door
or		
51 99 000	6 FRUs	Work time to complete the repair procedure to both rear doors

Labor operation code 41 52 004 is a Main labor operation. If you are using a Main labor code for another repair or this repair, use the Plus code labor operation 41 52 504 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 codes 41 99 000 and 51 99 000 both end in “000,” they are not considered Main labor operations.

Other Repairs

If performing other ISTA diagnostics and related test plans (Procedure Step #12) results in **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2.

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