



SI M51 16 16
Body

May 2019
Technical Service

CAVITY PROTECTION WAX LEAKING OUT OF HOOD

New information provided by this revision is preceded by this symbol **UPDATE !**.

This Service Information bulletin replaces SI M51 16 16 **dated September 2017**.

What's New:

- Production date removed
- F60 added

UPDATE ! MODEL

F56 (MINI Cooper, Cooper S Hardtop 2 Door)	F56 (MINI Cooper, Cooper S Hardtop 2 Door)	F60 (MINI Countryman)	
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SITUATION

Cavity protection applied to underside of hood is leaking out onto wheel arch trim and grille.



UPDATE ! CAUSE

Improper application of Cavity Protection Wax during vehicle production.

CORRECTION

UPDATE ! Remove the current cavity protection, and reapply it more accurately.

PROCEDURE

For conditions that are similar to the situation described, refer to the attachment for detailed repair information.

UPDATE ! PARTS INFORMATION

Part Number	Description	Quantity
83 12 0 390 086	Cavity Protection Wax Remover (125 ml)	Sublet as necessary

83 42 0 428 190	Cavity Protection Wax (400 ml)	Sublet as necessary
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UPDATE! **WARRANTY INFORMATION**

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

Defect Code:	51 97 02 49 00	
Labor Operation:	Labor Allowance:	Description:
41 61 000	Refer to AIR	Removing and Installing Bonnet (Main Work)
Or:		
41 61 600	Refer to AIR	Removing and Installing Bonnet (Plus Work)
And:		
51 99 000	8 FRU	Work time for removing excess cavity wax and reapplying correct amount of cavity protection wax.

Labor operation code 41 61 000 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 41 61 600 instead.

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

Work time labor operation code 51 99 000 is not considered a Main labor operation. Also, since the work time FRU allowance to be claimed is specified, a separate punch time is not required. However, it still requires an explanation on the repair order and in the claim comments section.

And, as needed:

Sublet – Bulk Materials

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk materials (Do not use the MINI part numbers for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk materials (MINI part numbers) is at the dealer net price amount for the quantities used plus your center's handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

Main Group (MG) 41 Flat Rate Labor Operations

A secondary "R FRU" value can appear for certain MG 41 labor operations. This identifies the portion of inclusive mechanical work that is also already contained in the specific flat rate labor operation. For example, in the labor operation 41 61 000 "Removing and installing engine compartment lid" for an F60:

- The main labor operation is 7 FRU
- "R" FRU is 4

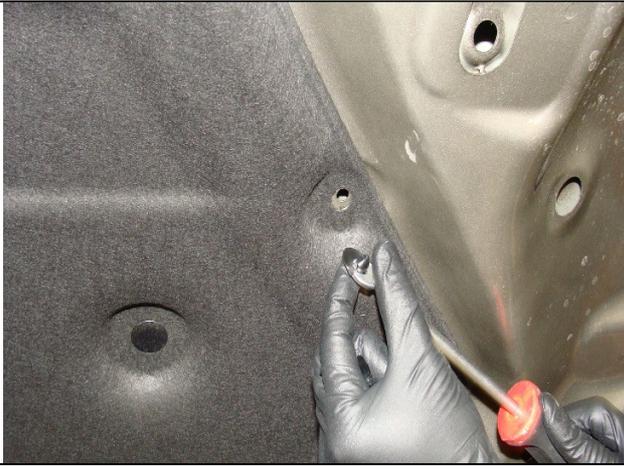
Since this "R" notation identifies inclusive work, do not claim the stated R FRU amount (i.e., 4 FRU) separately, in addition to the job item's primary FRU allowance (i.e., 7 FRU). A resultant claim for the sum of those values (11 FRU) would be rejected.

Wednesday, May 22nd, 2019

ATTACHMENTS

View PDF attachment [Attachment A SIM51 16 16.](#)

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	<ol style="list-style-type: none">1. Remove chrome trim from rear of hood to prevent damage. Refer to "51 13 085 Removing and installing/replacing trim strip on engine compartment lid (cowl panel).
	<ol style="list-style-type: none">2. Raise hood and remove clips holding under-hood insulation using appropriate clip removal tool.
	<ol style="list-style-type: none">3. Remove clips for under-hood insulation and remove insulation completely.

	<p>4. Disconnect and remove washer hose and both washer nozzles.</p>
	<p>5. Install appropriate tool to support hood and disconnect hood strut at upper mount on both sides. Follow Repair Instructions "41 61 000 Removing and installing engine compartment lid" for all necessary measure and precautions.</p>
	<p>6. With hood safely supported, loosen nut (1) on both sides, but do not completely remove. Remove nut (2) completely on both sides.</p>



7. Feed washer hose out of hood before hood removal.



8. Remove hood completely from the vehicle and place into body panel hanger, or:



9. If body panel hanger is not available, the hood can be rested in the position shown. Use foam blocks as shown to prevent damage to the corners and surface of the hood.



10. Using suitable plastic tool, remove all rubber grommets and body plugs on the underside of the hood (12 total).



11. Once the plugs are removed, apply the cavity wax **remover** liberally to all of the cavities starting from the top down. Use $\frac{1}{2}$ of the bottle, the other $\frac{1}{2}$ is to be used for the second application.
Wait a minimum of 15 minutes to allow the solvent to dissolve the excess cavity wax.



12. After 15 minutes has elapsed, rinse out all cavities and underside of the hood with water starting from the top down. If possible, use **lukewarm** (not hot) water for a more effective removal of the wax.



13. Using compressed air, dry the hood from the top down.



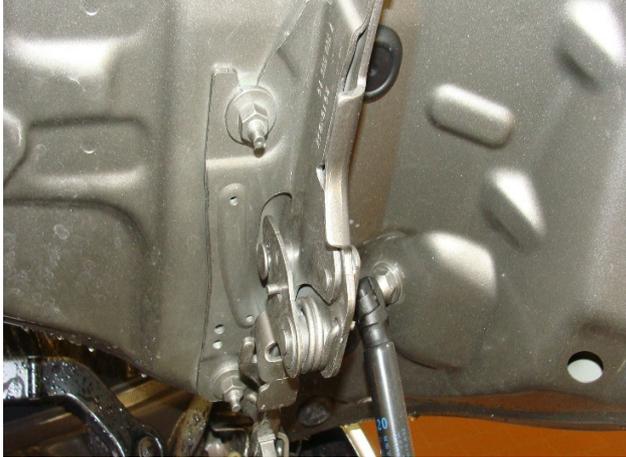
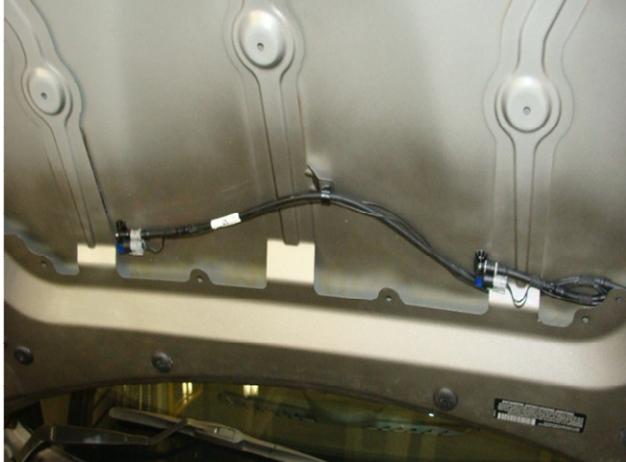
14. Using the remaining ½ of the bottle of cavity wax **remover**, apply again from the top down. Repeat steps 11 through 13.



15. Once the hood has been thoroughly rinsed and dried, re-apply cavity wax to cavities in the hood. Start from the top and work down spraying a small amount into all holes and cavities.

Note: Use only 125 mL of the cavity wax, avoid over-applying.

Note: Be aware that the BMW Cavity wax spray is 400mL, so one spray can will cover more than three vehicles.

	<p>16. Re-install the 12 body plugs.</p>
	<p>17. Re-install hood, all (4) tighten hood attachment (M8) nuts to 19 Nm. Attach hood struts. Align hood if needed according to repair instructions.</p>
	<p>18. Re-install washer nozzles and hoses.</p>



19. Re-install chrome trim on rear of hood.



20. Re-install under hood insulation.
21. Once complete, if possible, leave hood in the raised position for at least 12 hours for the best results.