



**PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.**

#### SUBJECT

**Service Action: Repair Corrosion Protection in Engine Compartment**

#### MODEL

F30 (3 Series Sedan)

F30H (ActiveHybrid 3)

Produced from September 2011 to May 2012

#### SITUATION

Various engine compartment battery cable mounting points are not sufficiently protected against corrosion.

#### CAUSE

Lack of corrosion protection can lead to improper battery cable connections.

#### AFFECTED VEHICLES

This Service Action involves F30 3 Series vehicles produced from September 2011 to May 2012.

First check if a Service Action label with a code number **674** is already attached to the B-pillar.

If a code number **674** has been punched out, the Campaign has already been performed and no further action is necessary.

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

#### CORRECTION

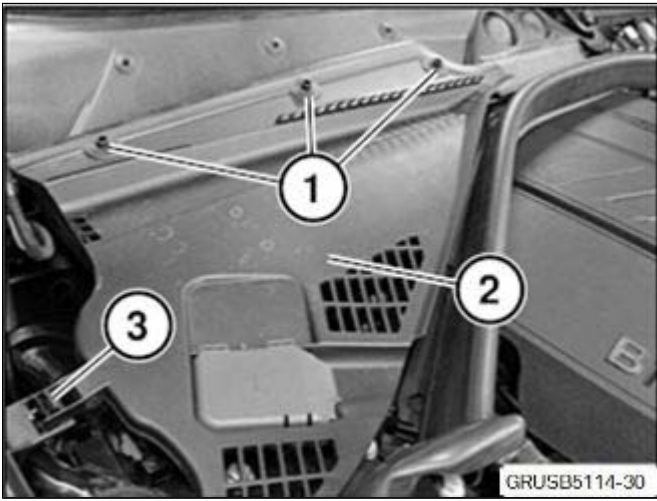
Repair the corrosion protection in the engine compartment.

#### PROCEDURE

##### Preliminary work

1. Disconnect the battery.
2. Open the hood to access the engine compartment.
3. Remove the cover in the passenger's side of the engine compartment.

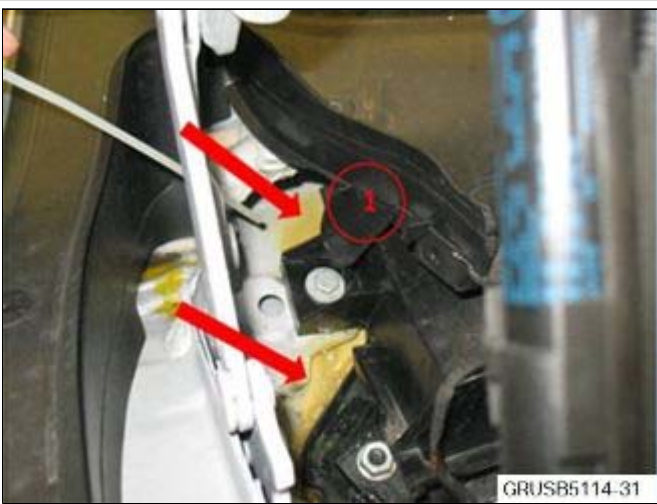
- Turn the locks (1) 90° counterclockwise.



- Unlock the catch (3).
- Remove the cover (2).

## Main Work

1. Apply cavity wax to the bulkhead on the front passenger's side of the dynamic strut.



Thoroughly spray cavity wax to the bulkhead in the areas of the dynamic strut, as shown in the picture.



The wax should be visible in the following areas indicated by the red arrows, after spraying.

2. Replace the cover on the battery positive terminal.



This picture shows the installation location of the cover to be replaced, below the battery positive cable.



Remove the cover on the battery positive terminal in the direction of the arrow, and replace it.

3. Check the installation of the battery positive cable on the partition wall.



- Check that the battery positive cable installation is correct by inspecting the cable. Make sure the bend in the cable is away from the partition wall.
- This picture shows an incorrect installation of the cable: the cable might come into contact with the partition wall.



- If the installation of the cable is incorrect, remove the retaining nut and rotate the cable so the cable bends away from the partition wall, as shown in the picture.
- Reinstall the nut and torque to 8 Nm.

4. Grease the battery positive cable at the connection point on the partition wall.



Remove the acoustic engine cover (if necessary, depending on the engine). Then remove the cover on the battery positive terminal in the engine compartment.



Coat the battery positive terminals in the engine compartment with contact grease, using a locally sourced flat brush.





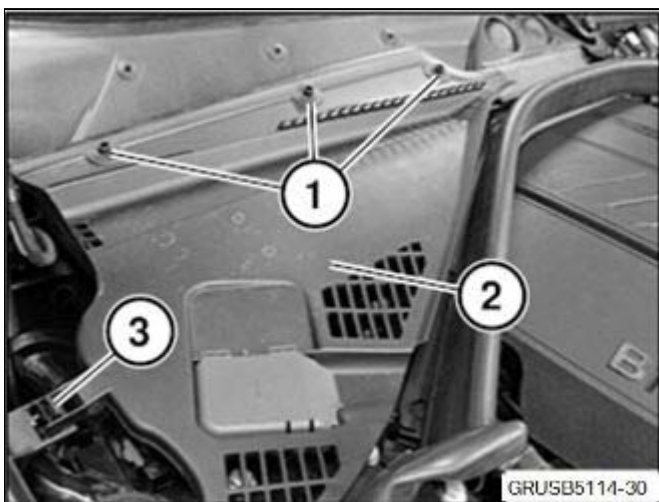
Coat the battery positive terminals in the engine units compartment with contact grease, using a locally sourced flat brush.



- Reinstall the cover on the battery positive terminal in the engine compartment.
- Reinstall the engine compartment acoustic cover if it was previously removed.

### Concluding work

1. Reinstall the cover in the passenger's side of the engine compartment, as shown below.



- Reinstall the cover (2).
- Lock the catch (3).
- Turn the locks (1) 90° clockwise.

2. Reconnect the battery and make sure all systems are functioning properly.
3. Close the hood and quality check the repair.

#### PARTS INFORMATION

Part Number	Description	Quantity
61 14 9 316 645	Cover of the B+ terminal	1

#### Sublet - Bulk Quantity Items

Part Number	Description	Quantity
83 42 0 428 190	Cavity protection spray (400 ml)	As needed
83 19 2 295 229	Contact protection grease (50 grams)	As needed

#### LABEL INSTRUCTIONS

	<p>This Service Action has been assigned code number <b>674</b>. After the vehicle has been checked and/or corrected, obtain a label (SD 92-431) and:</p> <ol style="list-style-type: none"> <li>A. Emboss your BMW center warranty number in the middle of the label (1);</li> <li>B. Punch out code number <b>674</b> (2), printed on the label; and</li> <li>C. Affix the label to the B-pillar as shown.</li> </ol>
--	---

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

#### WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

<b>Defect Code:</b>	<b>00 51 30 03 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 61 943	Refer to KSD2	Repairing the corrosion protection

Labor operation code 00 61 943 is a Plus labor operation.

#### Sublet - Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the small used quantities of required materials (cavity protection spray, bulk P/N 83 42 0 428 190 and contact protection grease, bulk P/N 83 19 2 295 229. Do not use these part numbers for claim submission)
---------------	--	---

Sublet calculation: Reimbursement for “used quantities” of required materials (cavity protection spray, bulk P/N 83 42 0 428 190 and contact protection grease, bulk P/N 83 19 2 295 229) at dealer net plus handling. Enter this material cost in sublet and itemize the amount in the claim comment section.

[ Copyright ©2014 BMW of North America, Inc. ]