



UPDATE! **RECALL CAMPAIGN 17V-087: POWER DISTRIBUTION BOX POSITIVE SUPPLY CONNECTOR**

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

This Service Information bulletin replaces SI B61 06 17 **dated February 2017**

What's New:

- Recall number added
- Affected vehicles, Cause, Correction, and Procedure added
- Parts and Warranty added

MODEL

E84 (X1)

UPDATE! **SITUATION**

BMW AG is conducting a Voluntary Safety Recall on certain Model Year 2014 BMW X1 SAV models involving the power supply system.

Approximately 1,100 vehicles are affected.

This safety recall involves the connection between the positive battery cable and the fuse box. Over time, increased electrical resistance at this connection could occur. If increased electrical resistance occurred, this could cause a vehicle non-starting condition. In some cases, a momentary flickering of the instrument cluster could occur. In an extreme case, a loss of electrical power and stalling could occur, increasing the risk of a crash

Alternative Mobility Solutions (AMS) Reimbursement

This BMW Recall/Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement. Please refer to [SI B01 29 16](#) for claim submission details.

UPDATE! **AFFECTED VEHICLES**

This Recall Campaign involves 1,160 X1 Series vehicles produced July 3, 2013 – July 17, 2013.

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

Reader

UPDATE! **CAUSE**

A temporary manufacturing defect at the supplier has caused an incorrect plug-in contact to be used for the positive battery cable on the front power distribution box (mounted behind the glove compartment).

The plug-in contact of the positive battery cable at the front power distribution box may be damaged by vehicle vibrations, which causes corrosion and high resistance leading to high current loads. This impairs the power supply to the front power distribution box, and can cause one or more of the following symptoms:

- The vehicle does not start.
- Various electrical malfunctions, including flickering of the instrument cluster.
- Momentary loss of engine power and loss of power steering assistance.

UPDATE! **CORRECTION**

Check and replace battery cable connection at front power distribution box.

UPDATE! **PROCEDURE**

Inspect the positive battery cable behind the front glove box to see if the repair cable is already installed.

Is the repair cable already installed?

Yes - no further action is required.

No - install the repair cable for the positive battery cable. Refer to the attached repair instructions REP 61 11 .."Installing the repair cable of the positive battery cable on the power distribution box".

Note: If the front power distribution box is damaged at the positive battery cable connection it must be replaced. Refer to repair instructions "61 13 050 Removing and installing or replacing fuse box in passenger compartment".

**UPDATE!** **SPECIAL TOOLS NEEDED**

Note: A set of these tools listed below were sent to each BMW center in 2013 for the completion of another repair. Refer to [SI B04 03 13](#) if additional tools are needed.

Part Number	Description	Quantity
83 30 2 339 646	Crimping Pliers	1 for each Center
83 30 2 339 647	Matrix CS 40	1 for each Center

83 30 2 337 974	Cable Shears	1 for each Center
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UPDATE! **PARTS INFORMATION**

Part Number	Description	Quantity
61 12 9 312 133	Repair cable for positive battery terminal	1

And, only if needed

Part Number	Description	Quantity
Refer to ETK	Power distribution box, front	1

UPDATE! **WARRANTY INFORMATION**

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

Defect Code:	0061520400
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Installing the Repair Cable

Labor Operation:	Labor Allowance:	Description:
00 64 305	28 FRU	Installing the repair cable for the positive battery cable (Main work)

And, if necessary, also:

Labor Operation:	Labor Allowance:	Description:
61 99 000	6 FRU	Work time for the additional work to replace the power distribution box, front, with the installation of the repair cable for the battery positive cable (Associated work)

Work time labor operation code 61 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.

Or:

Repair Cable Already Installed, Inspect Only

Labor Operation:	Labor Allowance:	Description:
		Repair cable already installed,

00 64 306

16 FRU

inspect only, no repair is required
(Main work)

TREAD Act - Previous Customer-Pay Repairs

If your center is presented with a reimbursement request for a “qualifying customer-pay repair” that was performed on an “affected vehicle” prior to the release of this Recall Service Information bulletin, BMW of North America, LLC (“BMW NA”) will reimburse that repair.

Customer-pay Invoice Review and Reimbursement Procedure

1. Review and verify that the previous customer-pay invoice (BMW center or independent repair shop) contains a repair that was performed to address the issue described in this “Recall” Service Information bulletin.
2. If this prior repair qualifies, reimburse the customer (labor and parts).
3. Submit for this customer-paid repair expense under Defect Code **85 99 00 12 NA**, as follows:
 - Sublet Code 3
 - Dollar amount (with no markup)
 - Comment: Recall Campaign 17V-087: Power Distribution Box Positive Supply Connector - Reimbursement for allowable expenses that relate to performing a prior qualifying customer-pay repair.
 - Itemize the sublet amount on the repair order and in the claim comments
4. Retain the “original” customer pay invoice in your files; this documentation may be requested by BMW during the claim review process).

A claim submission for a “prior customer-pay reimbursement” under Defect Code “85 99 00 12 NA” will not close this “Open” Safety Recall on the vehicle. The Recall repair procedure that applies must still be performed on the vehicle and claimed.

Repairs That do not Qualify for Reimbursement

Repairs that do not qualify for reimbursement include repairs performed on non-affected vehicles, and/or the diagnosis and repair of other unrelated issues. This exclusion applies to repairs that were performed using non-genuine BMW parts and/or used passenger car or light truck parts.

ATTACHMENTS

View PDF attachment [B610617 Recall Notice](#).

View PDF attachment [B610617 REP 6111](#).

View PDF attachment [B610617 QandA](#).

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SAFETY RECALL NOTICE

To: All Center Operators, Sales Managers, Service Manager, Parts Manager and Warranty Processor

RE: Recall 17V-XXX: Power Supply System B61 06 17

BMW Group is conducting a Voluntary Safety Recall (effective February 9, 2017) involving the power supply system in certain Model Year 2014 BMW X1 SAV models.

Owners will be notified by First Class mail about the Recall and will be instructed to bring their vehicles in for a free repair when parts are available.

Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.

Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.

Please follow any special instructions that we provide to you for the return or disposition of recall parts.

We appreciate all your assistance with this Recall.

REP-REP-RAE9061-6111X01 V.3 Installing the repair cable for the positive battery cable of the power distribution box, VIN: XXXXXXXX

ISTA system version	4.04.11.19013	Data version	R4.04.11	Programming data	-
VIN	XXXXXXXX	Vehicle	X'/E84/off-road vehicle/X1 xDrive35i/N55/AUT/US/left-hand drive/2011/03		
Int.lev.works	-	Int.lev. (cur.)	-	Int.lev.(tar.)	-
Mileage	0 km				

61 11 ...

Installing the repair cable for the positive battery cable of the power distribution box

Special tools required:

- [2 337 974](#)
- [2 339 646](#)
- [2 339 647](#)
- 0 444 131



The repair instructions describe the installation of repair cables for positive battery lead (BMW Parts Department 9 312 133).

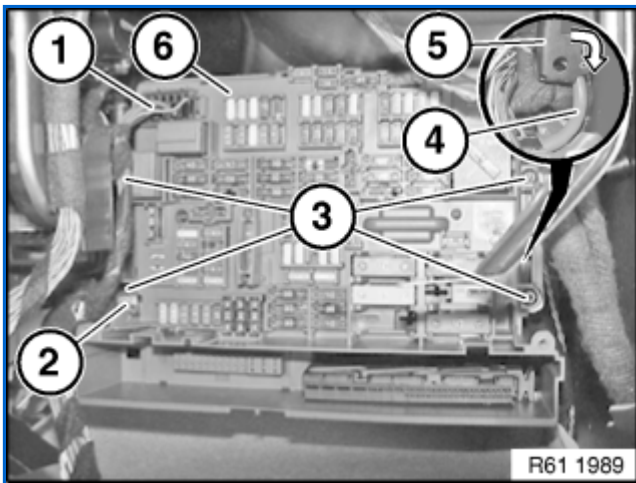
[Read and comply with notes on handling wiring harnesses and wiring!](#)

[Read and comply with notes on crimping stops!](#)

Necessary preliminary work:[Remove glove box](#)[Remove Junction box](#)

Work is shown on the E90 by way of example.

There may be differences in detail in the case of other vehicle types and equipment specifications.



Disconnect plug connection (1).

Release the wiring harness mounting (2) from the power distribution box (6).

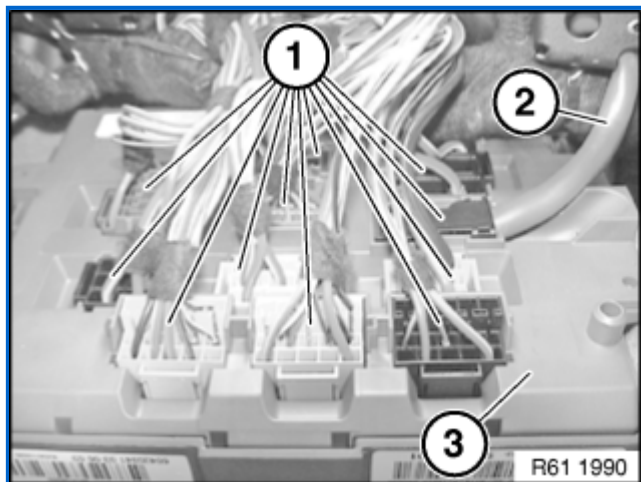
Release screws (3).

**Important!****Risk of damage!**

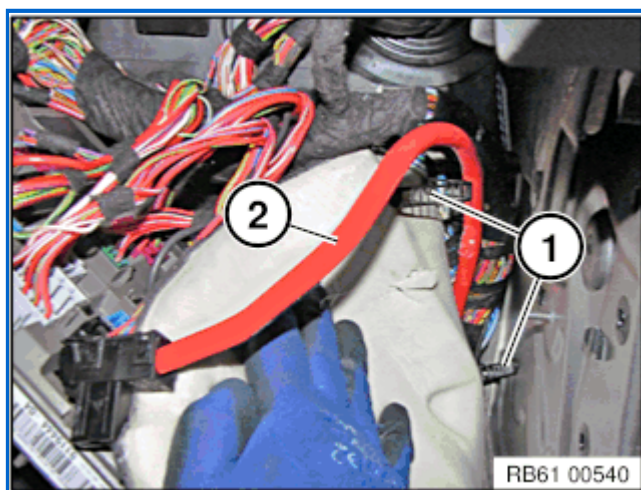
Fold the power distribution box (6) forward. Feed positive battery cable (4) out of holder (5) in the direction of the arrow.

Disconnect the positive battery cable (2).

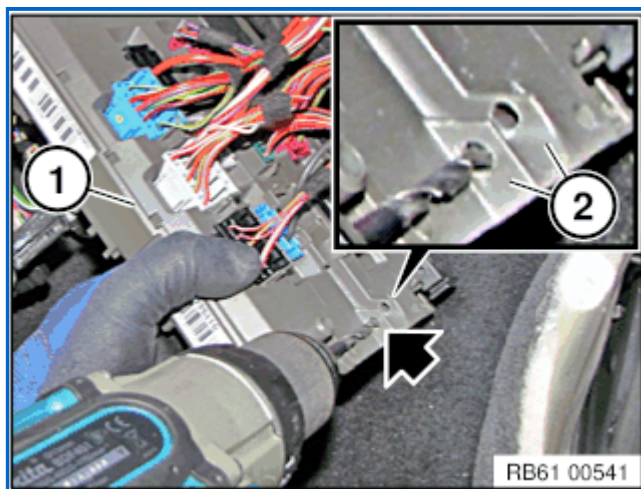
Extra plug connections (1) on the back of the power distribution box (3) must not be detached.

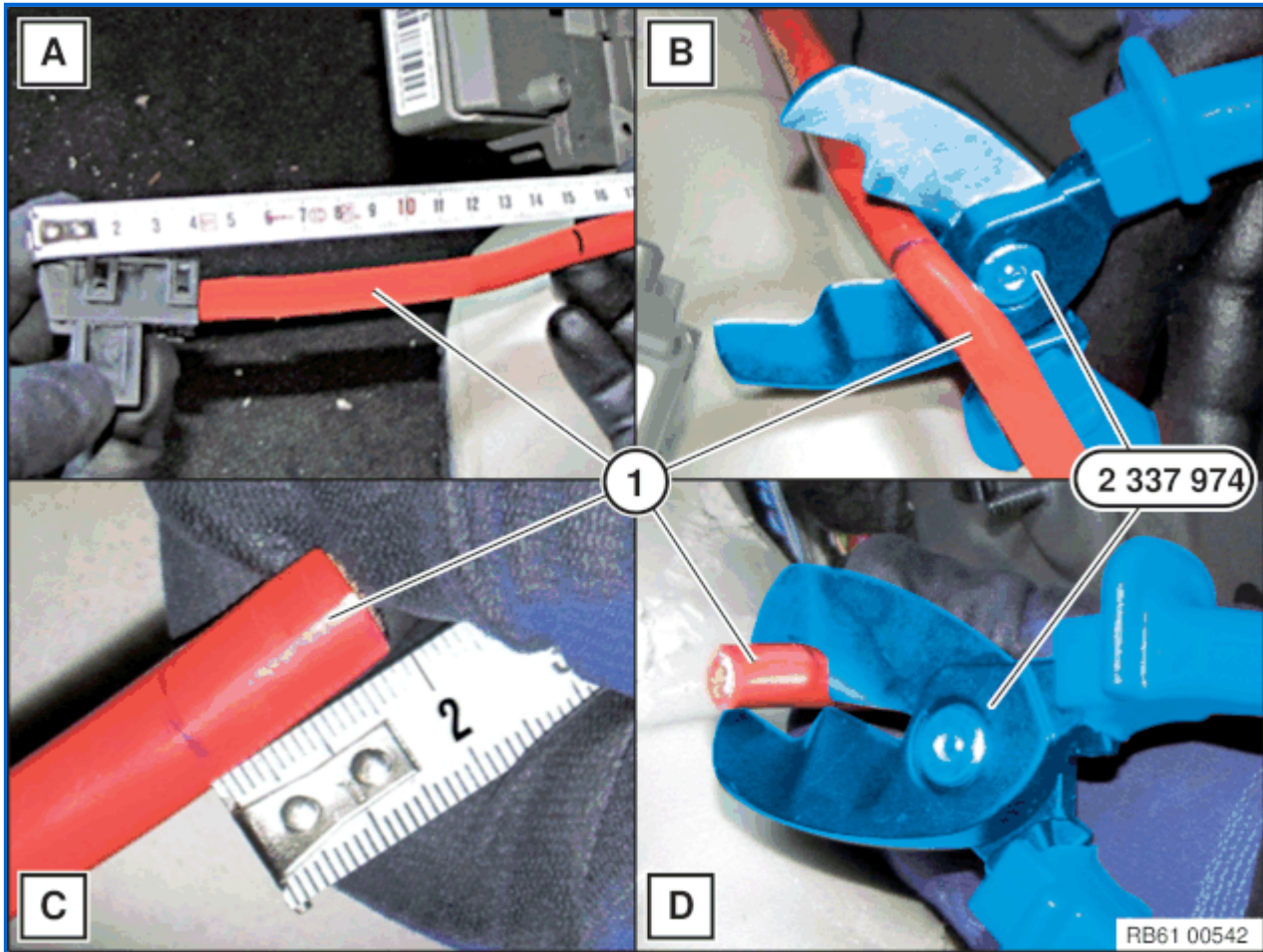


Open retaining straps (1). Pull out positive battery cable (2) as far as possible.



Predrill both bridges (2) of the power distribution box (1) at the area marked with an arrow with a 2 mm drill. Then drill through with a 5 mm drill.

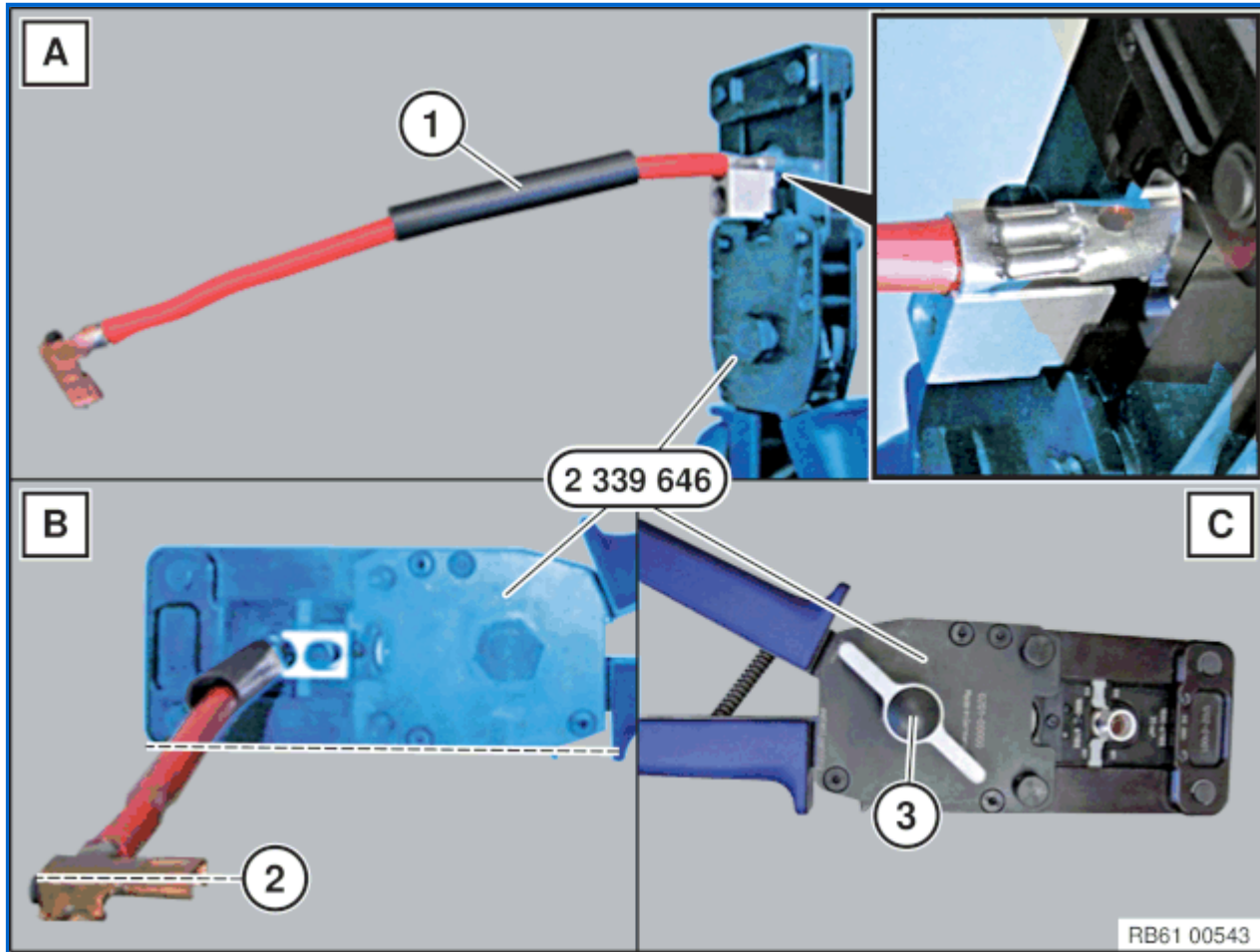




- A. Measure a 15 cm length as shown and mark on the positive battery cable (1).
- B. Cut off the positive battery cable (1) at the marked location with special tool [2 337 974](#).
- C. At the cut-off end of the positive battery cable (1), measure and mark 2 cm.
- D. Carefully strip insulation off of the positive battery cable (1) at the marked location with special tool [2 337 974](#).



Do not damage the strands during stripping!



A. Attach heat-shrink tubing (1) to positive battery cable. Insert the positive battery cable in special tool [2 339 646](#) as shown.

(Pliers [2 339 646](#), die plate [2 339 647](#))

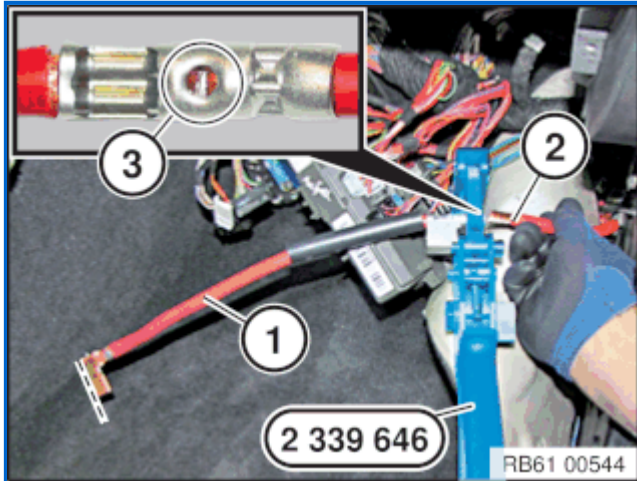
B. Position the contact (2) as shown.

C. Close the special tool. Turn the screw plug (3) counter-clockwise and move it to the position shown.

Crimp the vehicle-side positive battery cable (2) and the repair positive battery cable (1) using the special tool [2 339 646](#).

(Pliers [2 339 646](#), die plate [2 339 647](#))

After crimping, copper wires of the vehicle-side positive battery cable (2) must be visible in the

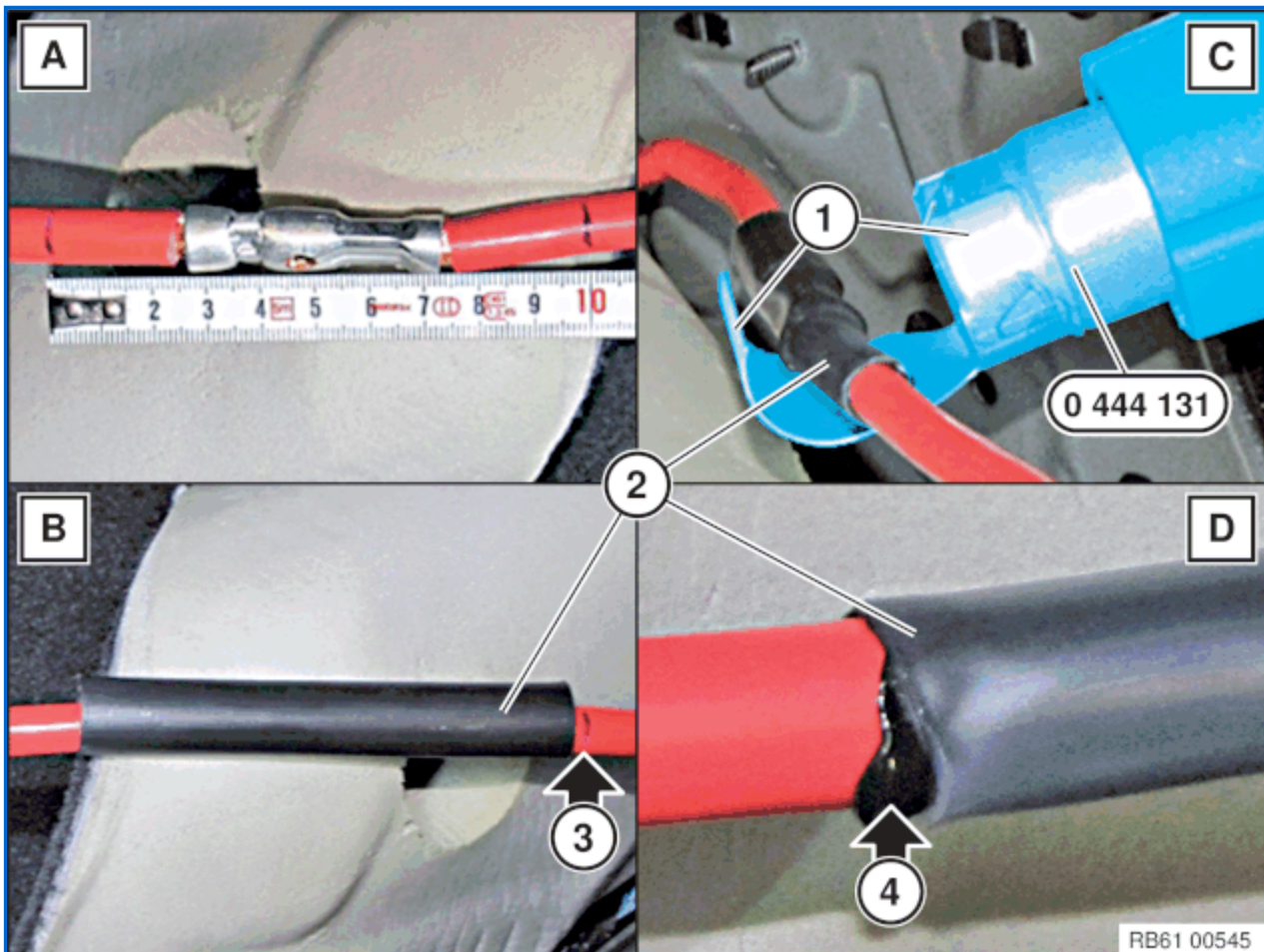


opening (3).



Pliers [2 339 646](#) must be operated approx. 20 times during the crimping process.

Crimping process is complete when pliers [2 339 646](#) automatically open.



- A. Centrally measure and mark distance = 10 cm as shown.
- B. Position the heat-shrink tubing (2) over the crimping location so that mark (3) is

must barely visible.

- C. Shrink the heat-shrink tubing (2) with hot air blower 0 444 131.

(Heat shrink temperature 400 °C)

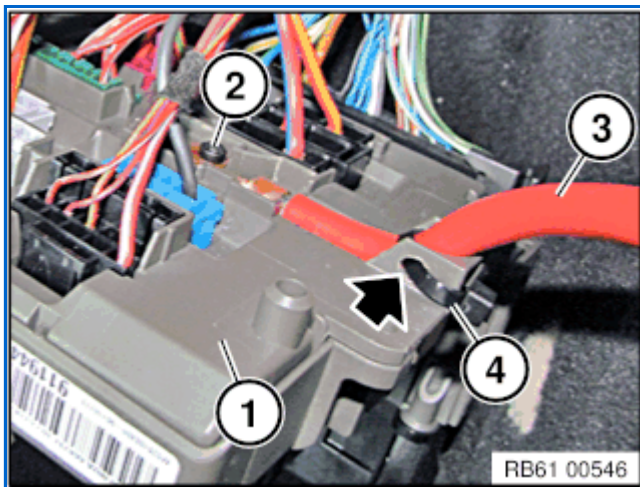
- D. After shrinking, adhesive (4) must emerge from both sides of the heat-shrink tubing (2).



Important!

Risk of damage!

It is imperative that you use a heat-shrink tubing reflector (1).



Connect the connector contact of repair positive battery cable (3) to power distribution box (1) by **pressing bolt (2)** all the way to the limit position.

Tighten screw (2). Tightening torque: 1,0 Nm



While tightening bolt (2), continue pushing down the connector contact. After tightening, bolt (2) must be flush with the connector contact.



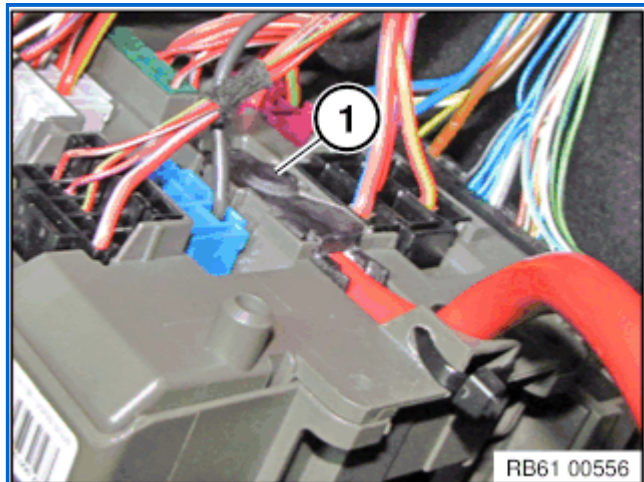
Separate the connector contact if bolt (2) has already been tightened:

Loosen bolt (2) by approx. 4 rotations. Using a suitable object, strike bolt (2) lightly to release the connector contact.

Remove the connector contact from power distribution box (1).

Fasten the repair positive battery cable (3) on

the power distribution box (1) at the location indicated by the arrow using a cable strap (4).

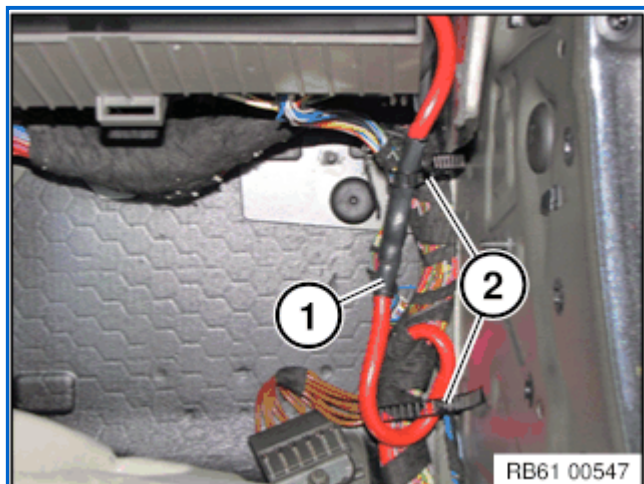


Mount the cap (1) flush.



If cap (1) cannot be flush-mounted, the connector contact below it is not mounted correctly.

In this case, release the connector contact as described in the previous operation and connect it again.



Fasten the positive battery cable (1) at locations (2).

**Power Supply System
Safety Recall 17V-087
Model Year 2014
BMW X1 SAV
*Last Updated 02/17/2017***

Q1. Which BMW models in the US are potentially affected by this Safety Recall?

Approximately 1,150 Model Year 2014 BMW X1 SAVs, produced in July 2013, are potentially affected.

Q2. What is the specific issue?

This safety recall involves the connection between the positive battery cable and the fuse box. Over time, increased electrical resistance at this connection could occur.

Q3. What can happen as a result of this issue?

If increased electrical resistance occurred, this could cause a vehicle non-starting condition. In some cases, a momentary flickering of the instrument cluster could occur. In an extreme case, a loss of electrical power and stalling could occur, increasing the risk of a crash.

Q4. How did BMW become aware of this issue?

BMW became aware of this issue through its quality control procedures.

Q5. Why are other BMW vehicles not included in this Safety Recall?

Other vehicles have a proper connection between the positive battery cable and the fuse box.

Q6. Can I determine if this issue exists in my vehicle?

If you experience a vehicle non-starting condition, or notice a momentary flickering of the instrument cluster, your vehicle may be experiencing this issue. If a loss of electrical power occurs while driving, your vehicle may be experiencing this issue and should be brought to the nearest authorized BMW center.

Q7. Can I continue to drive my vehicle?

Yes. However, when you receive a letter asking you to have this service performed by an authorized BMW center, please do so as soon as possible. If you are not the only driver of this vehicle, please advise all other drivers of this important information.

Q8. How will my vehicle be repaired?

The positive battery cable with an improved connector will be installed on your vehicle.

Q9. Is BMW aware of any accidents, injuries, or fires involving these BMW vehicles associated with this Safety Recall?

No.

**Power Supply System
Safety Recall 17V-087
Model Year 2014
BMW X1 SAV
*Last Updated 02/17/2017***

Q10. How will I be informed of this Safety Recall?

If your vehicle is affected, you will receive a letter in March via First Class mail advising you of this recall, and requesting that you schedule an appointment with an authorized BMW center for service and repair. You can locate your preferred BMW center at www.bmwusa.com/dealers.

To ensure BMW of North America, LLC has your most recent contact and vehicle information, please register your vehicle at <http://www.bmwusa.com/myBMW>. Registration is free, and will give you access to factory initiated campaigns and other information specific to your BMW vehicle.

Q11. How long will the repair take?

This repair may take several hours; however, additional time may be required depending upon your BMW center's schedule. The repair will be performed free of charge by your authorized BMW center.

Q12. Do I have to wait for my letter in order to have my vehicle serviced?

No. You can schedule an appointment with any authorized BMW dealer for service and repair.

Q13. I see the "TREAD Act Customer Reimbursement Plan" attached to my letter. Can you explain what that is about? Am I eligible for reimbursement?

If you have already had this repair performed at your own expense, you may be eligible for reimbursement of certain expenses that you incurred.