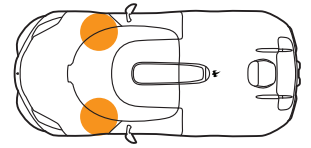




## 12 V Batteries Replacement

*This instruction refers to other documents that are necessary to do the procedure.*

This instruction is applicable on the RH and the LH side.



### Situation

The 12 V battery configuration in the vehicle is changed.

### Action

Update the 12 V battery configuration of the vehicle to the new configuration.



#### WARNING

The vehicle has two 12 V batteries connected in parallel. Another battery supplies power to the cables when you disconnect one of the batteries. Before maintenance on the 12 V battery cables or cable connectors, always disconnect the two batteries to prevent damage to the vehicle or personal injury.

PPE	REFERENCE	QUANTITY
Breathing mask	–	–
Protective gloves	–	–
Safety goggles	–	–

PARTS	REFERENCE	QUANTITY
12 V battery assembly**	170-313-2030	2
Battery bracket*	170-313-2038	2
Battery cover RH*	170-821-2034	1
Battery cover LH*	170-821-2035	1
Battery fuse CF 300A**	170-371-5010	2
Heat shrink 18 mm black*	130-371-8425	4
Heat shrink 24 mm red*	130-371-1046	4
Housing assembly RH*	170-821-2030	1
Housing assembly LH*	170-821-2031	1
Isolating nut battery CF**	170-371-5011	2
Kevlar cable sleeve*	170-371-2150	5
M8x20 Ti dome head bolt*	130-149-0821	2
M8x20 MRT 8.8 torx*	130-145-1820	6
M8 locking nut*	130-141-2008	6
M6x12 Sexkantsskruv FZB 8.8**	130-148-1612	2
M6 spring washer DIN 127 B**	130-196-5016	2
Swell action latch***	130-199-1001	6

\* Included in the part kit.

\*\* Included in the service kit.

\*\*\* Use up from the old unit.





TOOLS	SPECIFICATION	QUANTITY
General mechanical tools	–	–
Isolated general mechanical tools	–	–
Luggage compartment plate template RH*	170-070-2200	1
Luggage compartment plate template LH*	170-070-2201	1
Self-clamping slip on caps 1000V 10	130-090-1004	2
Self-clamping slip on caps 1000V 20	130-090-1003	2

\*Included in the tool kit.

CONSUMABLES	REFERENCE	QUANTITY
Electrical insulation tape	–	–
Loctite 242	130-174-0548	–
Kontaktlim Casco 2963 160ml	130-114-3003	–
Sand paper	600 grit	–
Tesa fleece tape 15x19	3718-012	–
Zip ties	–	–
Zip tie anchor	–	–

### Prepare



#### WARNING

Do not connect a 12 V charger to the vehicle when you do this procedure. If a 12 V charger is connected, there is a risk of damage to the vehicle or personal injury.

1. Make sure that the vehicle is not connected to a 12 V charger.
2. Open the front hood with the key fob or from the center console.



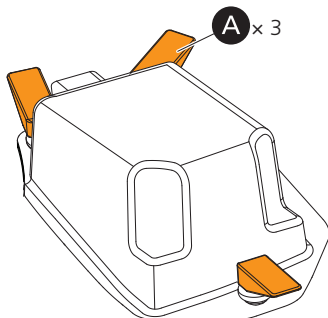
#### WARNING

The 12 V batteries will stay charged after the circuit breaker is set to off. An unwanted short circuit of the battery terminals or between the positive terminal and the chassis can cause damage to the vehicle or personal injury.

3. Disconnect the 12 V system, refer to [WOM-00007](#).
4. Disconnect the HV system, refer to [WOM-00021](#).
5. Remove the luggage plate, refer to [WOM-00047](#).

### Remove

1. Open 3x swell action latches on the RH battery cap.





2. Remove and discard the battery cap.

### Note

Make sure that you send the battery cover back to the Koenigsegg.



### WARNING

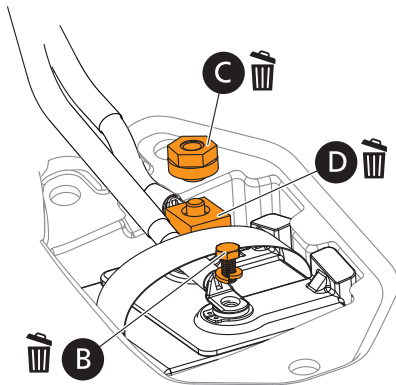
The vehicle has two 12 V batteries connected in parallel. Another battery supplies power to the cables when you disconnect one of the batteries. Always isolate open cable connectors or battery terminals. An unwanted short circuit of the battery terminals or between the positive terminal and the chassis can cause damage to the vehicle or personal injury.



### CAUTION

Disconnect the negative cables from the two batteries and then disconnect the positive cables. Do not disconnect the negative and positive cables from one battery and then disconnect the other battery, this can cause a short circuit.

3. Remove and discard the 10 mm bolt **B** and a spring washer to disconnect the negative cable from the RH battery.



4. Isolate the negative cable shoe with the self-clamping slip-on cap.
5. Isolate the negative terminal of the battery with the electrical insulation tape.
6. Do steps 7 to 5 for the LH battery.
7. Remove and discard the 19 mm isolation nut **C** from the RH positive battery terminal.
8. Disconnect the positive cable from the RH positive battery terminal.
9. For the RH battery only, disconnect the battery charging cable from the RH positive battery terminal.
10. Isolate the positive cable shoe with the self-clamping slip-on cap.



### WARNING

Do the troubleshoot and repair procedure before you replace a blown fuse. A blown fuse is an indication of a fault in the electrical system that can cause damage to the vehicle or personal injury.

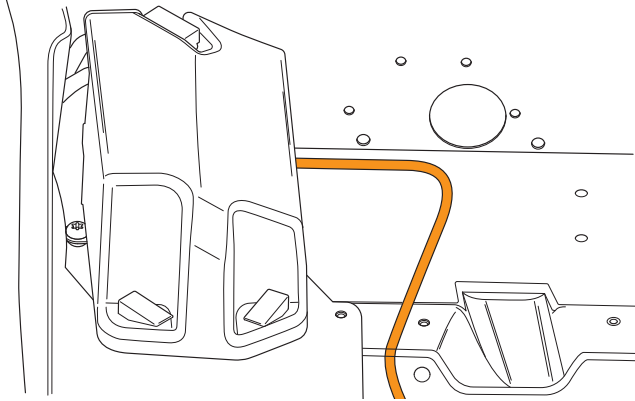
11. Remove and discard the fuse **D** from the RH positive battery terminal.
12. Isolate the positive terminal of the battery with the electrical insulation tape.
13. Do steps 7 to 12 for the LH battery.
14. Carefully lift out 2x batteries.



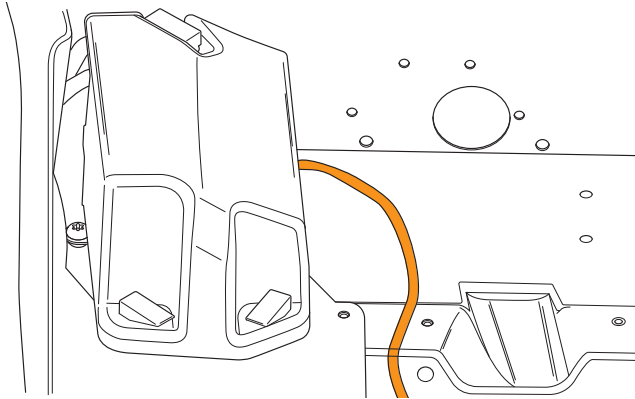


15. Do a check of the hood actuator hose routing.

15.1 If the hose is correctly routed, refer to section *Install*.

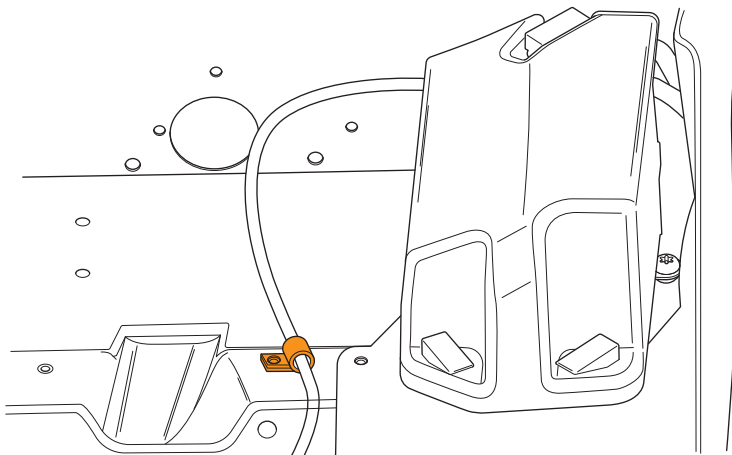


15.2 If the hose is not correctly routed, refer to *Correct the hose routing*.



### Correct the hose routing.

1. Find the hood actuator hose in the hose bundle below the power steering rack.
2. Record the location and remove the zip-ties from the hose bundle.
3. On the LH side only, remove the H2.5 screw from the bracket to release the hose.



4. Put the hood actuator hose at the correct routing position.
5. Put the zip ties on the hose bundle at recorded locations.

Part: 130-195-9003

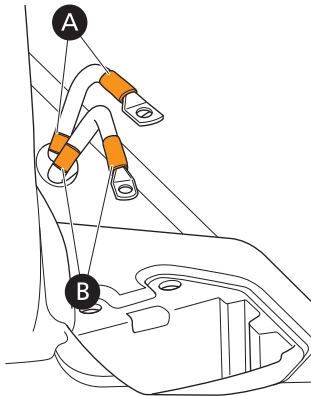




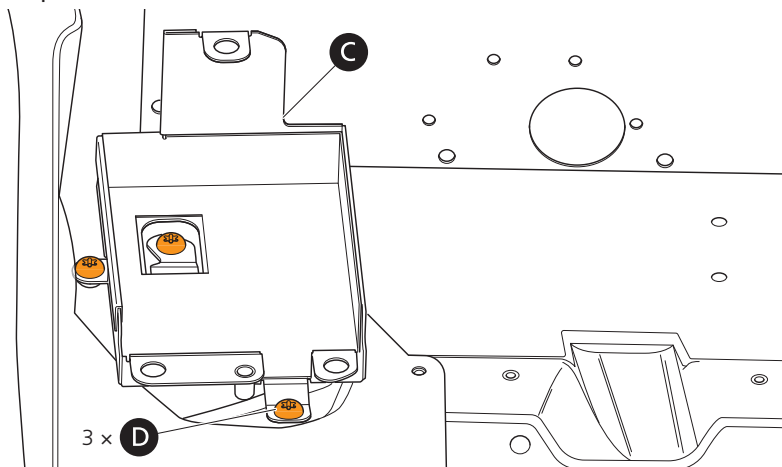
6. If necessary, put the zip tie anchor and the zip tie to hold the hose into the correct routing.  
**Part:** 130-371-9033

### Install

1. Remove the self-clamping slip-on caps from the battery cables
2. Install 2x kevlar sleeves on the RH battery cables.  
**Part:** 170-371-2150
3. Install 2x 24 mm heat shrinks **A** on the kevlar sleeve ends of the RH positive battery cable.  
**Part:** 130-371-1046



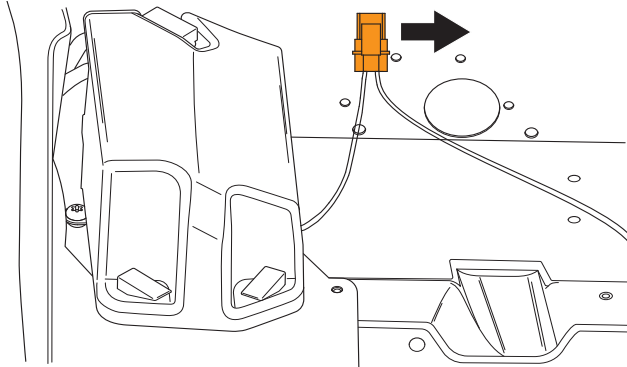
4. Install 2x 18 mm heat shrinks **B** on the kevlar sleeve ends of the RH negative battery cable.  
**Part:** 130-371-8425
5. Use a heat gun on the heat shrinks to seal the kevlar sleeve ends.
6. Do steps 1 to 5 for LH battery cables.
7. On the RH side only, install the kevlar sleeve on the battery charger cable.  
**Part:** 170-371-2150
8. On the RH side only, install the Tesa fleece tape on the kevlar sleeve ends to seal the kevlar sleeve.  
**Part:** 3718-012
9. Install the new battery housing **C** with 3x T40 screws **D** and nuts to the RH battery compartment.  
**Part:** 170-821-2030, 130-141-2008, 130-145-1820  
**Torque:** 15 Nm





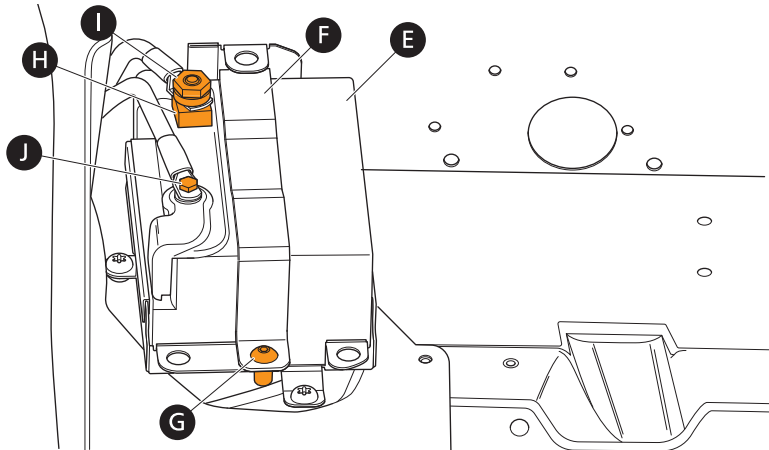
### Note

On the RH side only. If there is not sufficient space to install the new battery housing, move the battery charging fuse to the center of the vehicle and attach it correctly with the zip tie anchor to the front firewall.



10. Install the new battery **E** into the battery housing **C**.

Part: 170-313-2030



11. Install the new battery bracket **F** with the H6 screw **G** on the battery **E**.

Part: 170-313-2038, 130-149-0821

Consumable: Loctite 242

Torque: 10 Nm

12. Do steps **9** to **11** for the LH battery compartment.

Part: 170-821-2031, 130-141-2008, 130-145-1820, 170-313-2030, 170-313-2038, 130-149-0821



### CAUTION

Connect the positive cables from the two batteries and then connect the negative cables. Do not connect the positive and negative cables from one battery and then connect the other battery, this can cause a short circuit.



### WARNING

Do the troubleshoot and repair procedure before you replace a blown fuse. A blown fuse is an indication of a fault in the electrical system that can cause damage to the vehicle or personal injury.

13. Install the new fuse **H** on the RH positive battery terminal.

Part: 170-371-5010





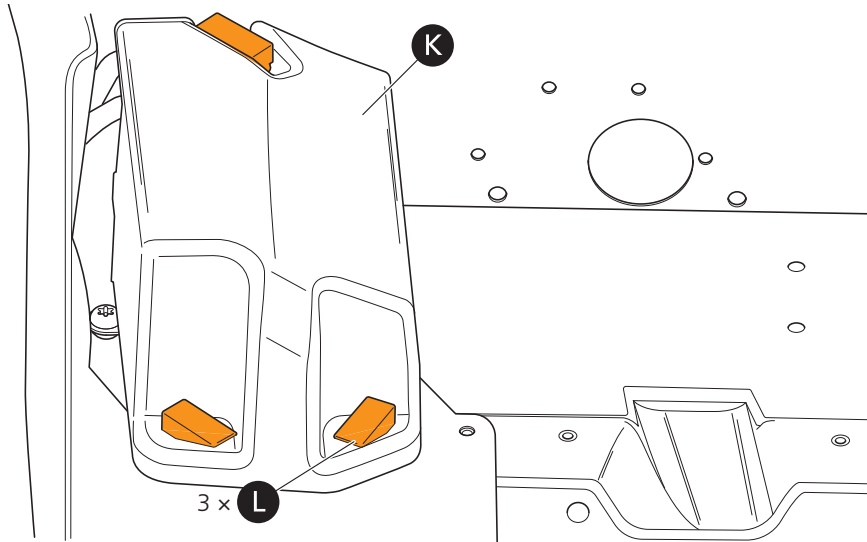
14. On the RH battery only, connect the battery charging cable to the RH positive battery terminal.
15. Connect the positive cable to the RH positive battery terminal with the new 19 mm isolation nut **I**.  
Part: 170-371-5011



### WARNING

The isolation nut must isolate the positive cable shoe from the positive terminal on the battery. A bypassed fuse can cause damage to the vehicle or personal injury.

16. Make sure that the positive cable shoe is at the center the isolation nut. Make sure that it does not touch the positive terminal of the battery.  
Torque: 12 Nm
17. Do steps **13** to **16** on the LH positive battery terminal.
18. Connect the RH negative cable to the RH negative battery terminal with the new spring washer and 10 mm bolt **J**.  
Part: 130-148-1612, 130-196-5016  
Torque: 10 Nm
19. Connect the LH negative cable to the LH negative battery terminal with the new spring washer and 10 mm bolt.  
Part: 130-148-1612, 130-196-5016  
Torque: 10 Nm
20. Install the new battery cover **K** on the RH battery.  
Part: 170-821-2034



21. Install 3x swell action latches **L** on the RH battery cover **K**.  
Part: 130-199-1001
22. Lock 3x swell action latches **L** on the RH battery cover **K**.
23. Do steps **20** to **22** for the LH battery cover.  
Part: 170-821-2035, 130-199-1001





### CAUTION

Do not turn on the 12 V main switch until you have charged the new batteries. New batteries can have a low charge level. Damage to the electrical systems may occur.

24. Connect the 12 V battery charger to the vehicle and charge the 12 V batteries.
25. Adjust the luggage plate.
  - 25.1 If the luggage plate is flocked, refer to *Adjust the Flocked Luggage Plate*.
  - 25.2 If the luggage plate is leathered, refer to *Adjust the Leather Luggage Plate*.
26. Install the luggage plate, refer to *WOM-00047*.

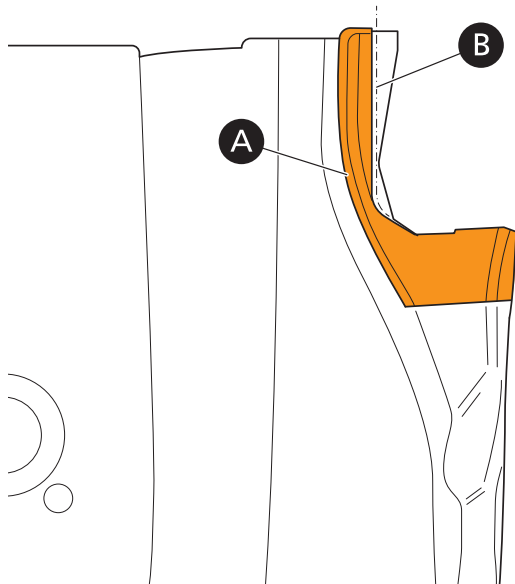
### Adjust the Flocked Luggage Plate



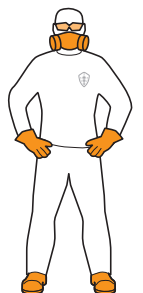
### CAUTION

Be careful when you work with the luggage plate. Damage to the luggage plate can easily occur.

1. Put the luggage plate on the work station.
2. Attach the RH luggage plate template **A** to the RH bottom side of the luggage plate.  
Tool: 170-070-2200



3. Align the template **A**, refer to the shape of the luggage plate.
4. Put the marks **B** along the template on the luggage plate.
5. Cut the marked area of the luggage plate.  
Tool: Pneumatic saw
6. Use the sand paper and sand the edges of the luggage plate to make surface smooth.  
Consumable: Sand paper 600 grit  
PPE: Breathing mask  
PPE: Protective gloves  
PPE: Safety goggle
7. Do the steps 2 to 6 to the LH side of the luggage plate.  
Tool: 170-070-2201





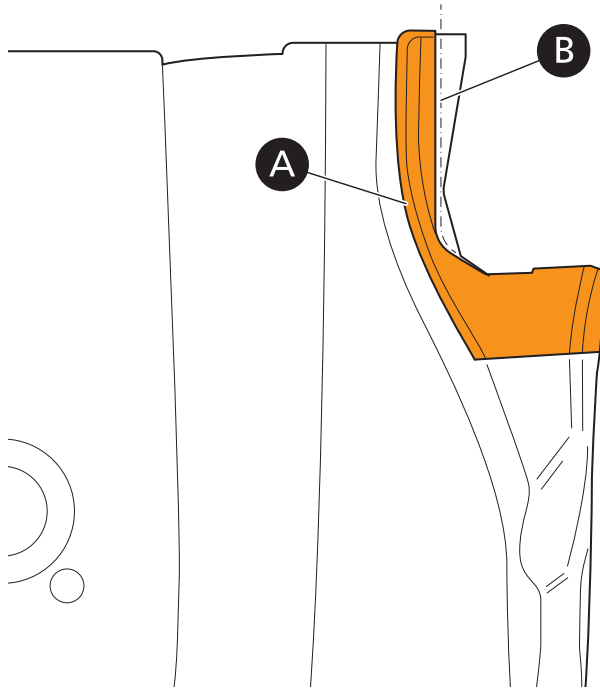
### Adjust the Leather Luggage Plate



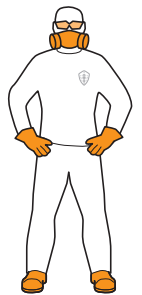
#### CAUTION

Be careful when you work with the luggage plate. Damage to the luggage plate can easily occur.

1. Put the luggage plate on the work station.
2. Pull and remove the leather from RH edge of the luggage plate.
3. Attach the RH luggage plate template **A** to the RH bottom side of the luggage plate.  
Tool: 170-070-2200



4. Align the template **A**, refer to the shape of the luggage plate.
5. Put the marks **B** along the template on the luggage plate.
6. Cut the marked area of the luggage plate.  
Tool: Pneumatic saw  
**Note**  
Make sure that you do not cut the leather.
7. Use the sand paper and sand the edges of the luggage plate to make surface smooth.  
**Consumable:** Sand paper 600 grit  
**PPE:** Breathing mask  
**PPE:** Protective gloves  
**PPE:** Safety goggle
8. Attach the leather to the luggage plate.  
**Consumable:** 130-114-3003
9. Do steps 2 to 8 to the LH side of the luggage plate.  
Tool: 170-070-2201





**Koenigsegg**

**TECHNICAL SERVICE BULLETIN**

**Doc. ID** TSB-23071-01

**Model** Regera

**Kit** 170-810-5002 (Parts)

170-810-5003 (Tools)

**Ref. No** –

**Warranty Information**

If the repair is covered by the warranty terms, refer to Koenigsegg Warranty Process.

**TECHNICAL DESCRIPTION**

Write TSB-23071 in capitals and continue with a detailed description of the work procedure.

**OPERATION**

KWO259569

**PART NO**

Refer to the parts table

