

Instructions for installing new battery conversion kit: 529606801

Husqvarna is no longer supplying new batteries for the **Automower 320, 330X** and **420**. Instead, they supply a conversion kit that allows these machines to be equipped with a new generation battery (as used in the Automower 520/550 from year of construction 2020). Disassembling and reassembling the Automower is entirely at your own risk and any form of warranty will be void (however, as Husqvarna no longer supplies the old batteries, there is no other choice). Below is a step-by-step explanation of how to insert the new battery. If you want to convert the Automower 330X you need 2 sets because this machine uses 2 batteries. The second battery holder can be kept as a spare or thrown away.

Step 1: disassemble the cover

The hood is mounted on the chassis with four click closures. See Figure 1. The charging cable attached to the hood charging strip must be disconnected to completely remove the hood from the chassis.

Follow the steps below step by step.

1. Set the main switch to position 0 (off).
2. Clean the area around the grommet for the charging cable at the very front under the mower.
3. Pull the rubber grommet on the charging cable and carefully disconnect the plug.
4. Detach the cover from the chassis by lifting the cover corner by corner while holding the chassis in place.

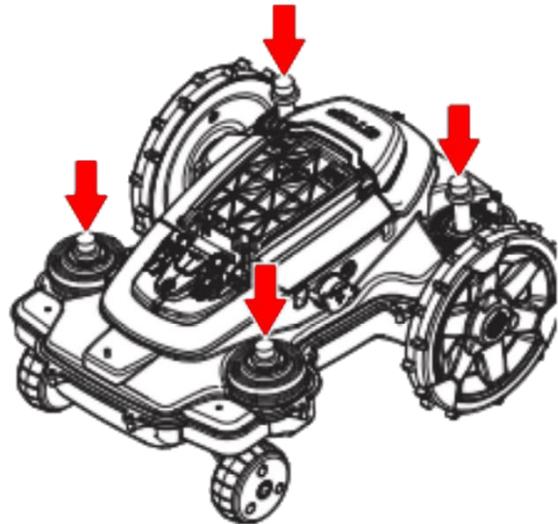


Figure 1

Step 2: disassemble the chassis

The chassis consists of an upper and a lower part. They are attached to each other with 14 screws. The 14 screws are indicated by arrows in Figure 2.

1. Loosen all 14 screws (torx 20). See Figure 2.
2. Remove the warranty seal at the separation point between the halves of the chassis. Note that when it is removed, Husqvarna no longer gives any warranty on the Automower.
3. Carefully lift the rear edge of the top part of the chassis.
4. Disconnect the HMI cable from the main print. This is indicated by an arrow in Figure 3.
5. Now remove the top part of the chassis.

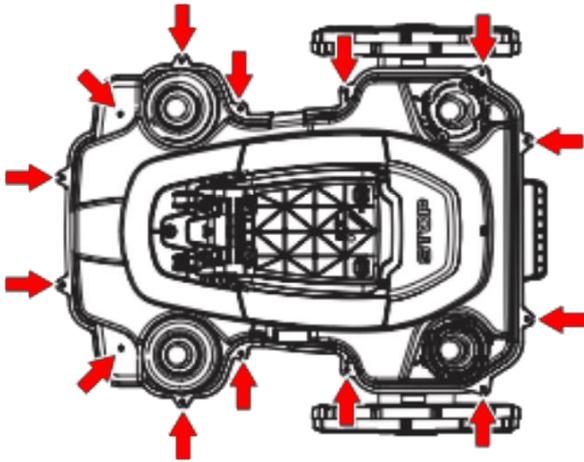


Figure 2

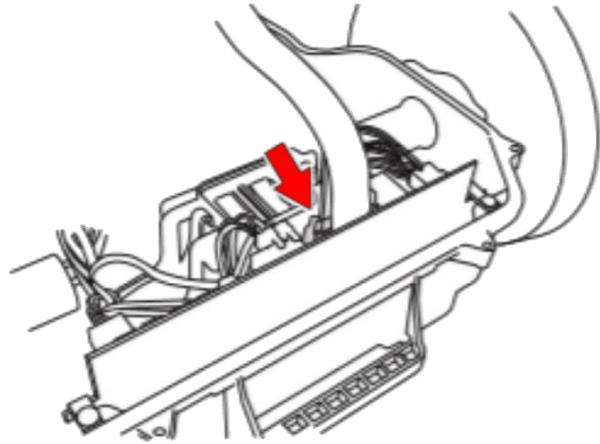


Figure 3

Step 3: disassemble / assemble the battery

See Figure 4 for steps 1 to 4.

1. Carefully disconnect the battery plug from the main print; Arrow 1.
2. Disconnect the four cable clamps with cable harness from the battery mount. The cable clamps are omitted; Arrows 2 to 5.
3. Loosen the five screws (torx 20) that hold the battery cover in place; Arrows 6 to 10.
4. Now remove the battery together with the battery holder.

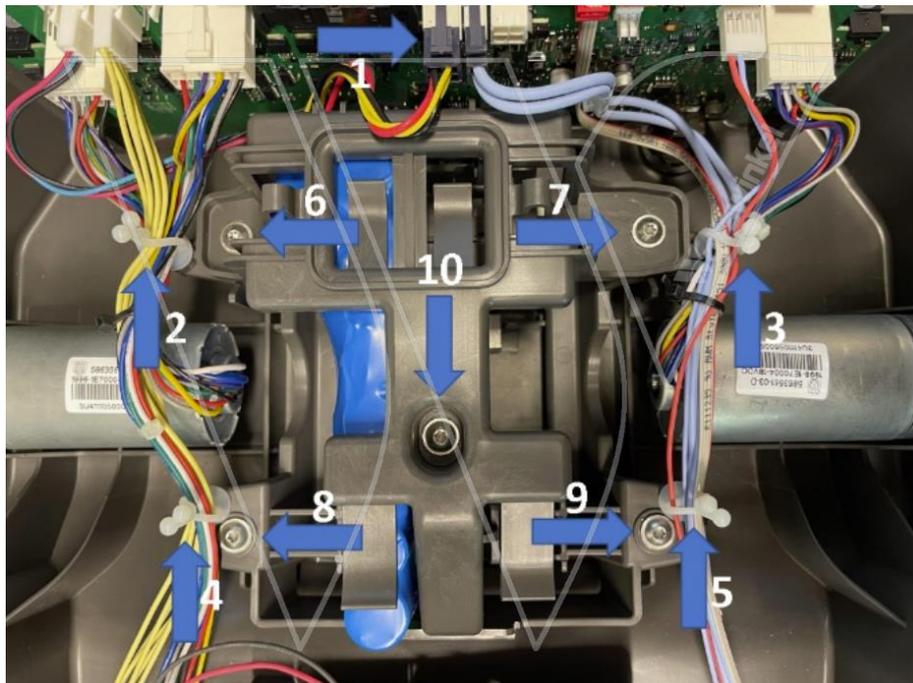


Figure 4

See Figure 5 for steps 5 through 9.

5. Place the new bottom half of the battery holder with the arrows pointing forward; Arrow 1. **Make sure that no cables are trapped underneath.**
6. Place the new battery in the battery holder.
7. Fit the top half of the new battery holder and screw it tight with four screws (torx 20); Arrows 2 to 5.

8. Place the disconnected wire harness from previous step 2 in the appropriate new wire holders; Arrows 6 to 9.
9. Connect the newly delivered cable (591203601) to the battery and main print; Arrows 10 and 11.

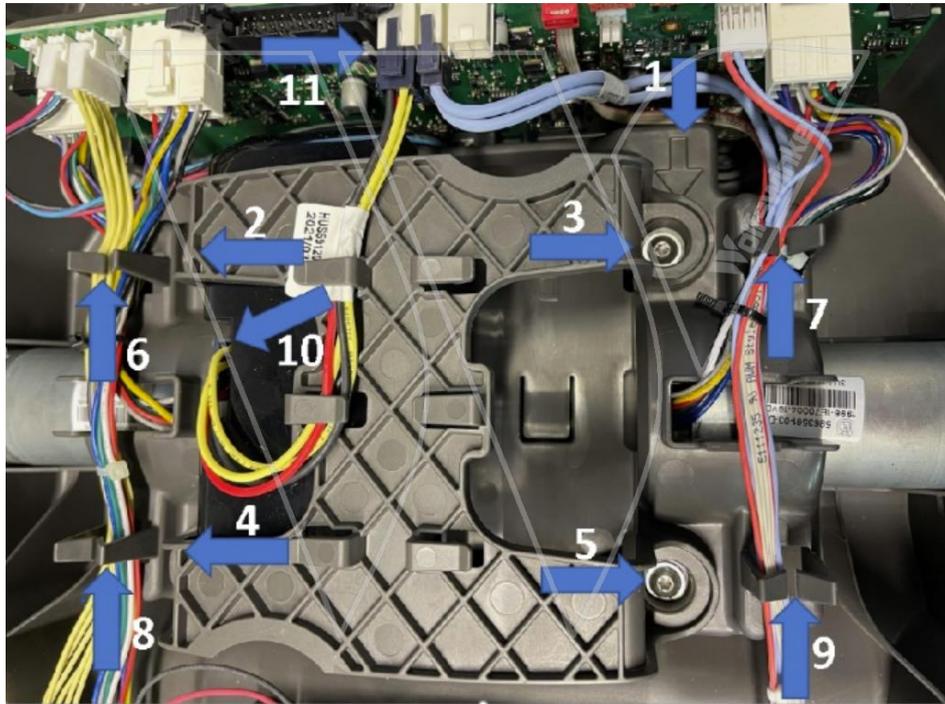


Figure 5

Step 4: Place the sealing strip (article number: 574874705, not included)

If the Automower chassis has been loose, a new sealing strip must always be fitted. If this is not done, there is a greater risk of moisture damage.

1. Remove the old sealing strip from the bottom part of the chassis.
2. Check that there is no sand, grass or other debris in the trench.
3. Align the first end of the sealing strip with the mark on the chassis. Indicated by the arrow in Figure 6.
4. Continue to lay the sealing strip clockwise around the chassis half.
5. Place the second end of the sealing strip over the first end and then route it out the duct. Attach the sealing strip to the bottom using the holder. Indicated by the arrow in Figure 7.
6. Reassemble the mower in the reverse order of disassembly.

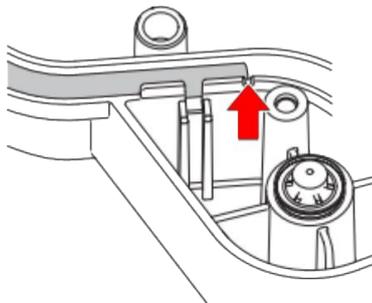


Figure 6

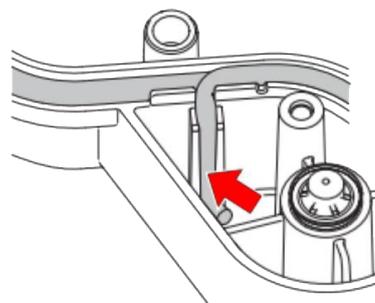


Figure 7