



SUBFRAME BRACKET INSTALLATION ROVI A3

Subframe brackets must be installed prior to installing LUCI on a Rovi A3 wheelchair.

YOU WILL NEED

- Screwdrivers
- Allen Wrench Set
- Socket Set
- 3/8 Ratchet
- Rovi A3 Base Prep Kit (included):
 - Subframe Brackets (2)
 - M6 Clip-On Nuts (2)
 - M10 x 35 10.9 Socket Cap Screws (2)
 - 5/16 ID Mil-Spec Washers (4)
 - Bubble level
 - RNET Cable Extension

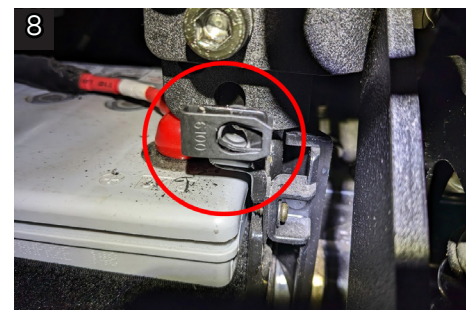
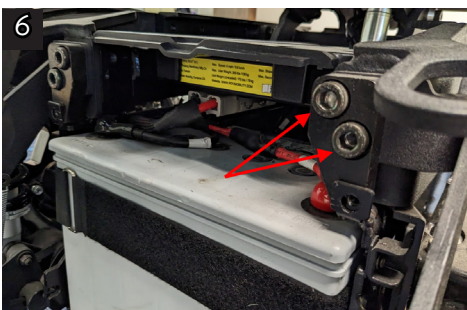
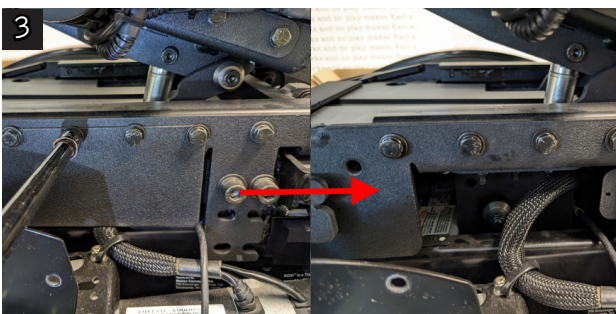
1 Access the Base

Elevate the seat and legrests to the highest setting. Use a 5mm Allen wrench and a 13mm socket to remove the pivot bolt from the caster lockout arm (Figure 1). Use a flathead screwdriver to remove the front battery cover (Figure 2).



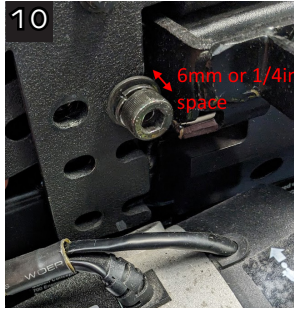
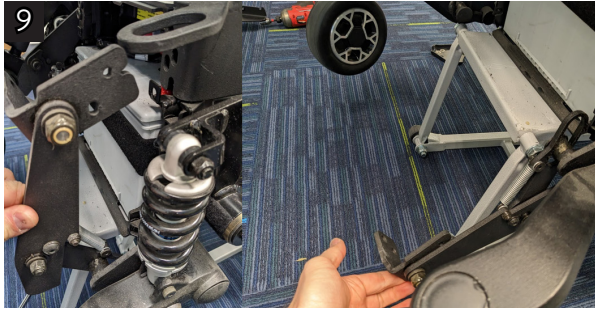
2 Prepare the Base

Working on one side at a time, use an 11mm (or 7/16) socket to remove the bolts and cover panel and reinsert the bolts (Figure 3). Repeat on the other side. Note that on older chairs, there may be shims behind the seating bracket next to the rearmost bolt. If there are, tape them in place so they don't fall out when the rear bolts are loosened or removed (Figures 4 and 5). Move to the front of the chair and use an 8mm Allen wrench to remove the two bolts above the battery (Figure 6). On older chairs, there may be an aluminum spacer block (Figure 7), which will NOT be reused. Install an M6 clip-on nut as shown (Figure 8). Note that newer A3 chairs may already have this installed.

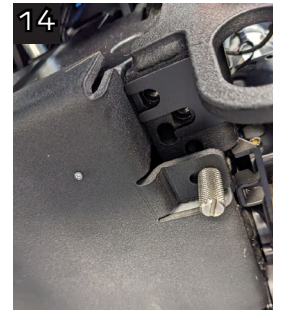
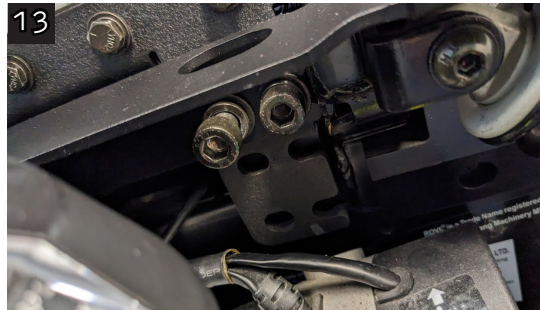
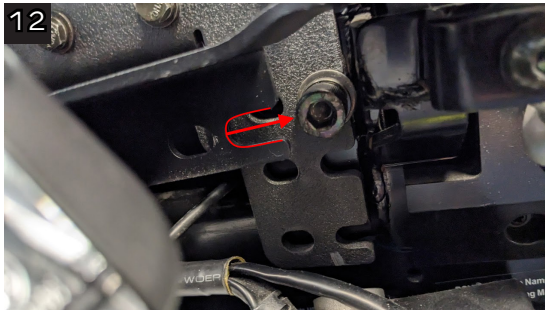


3 Install the Brackets

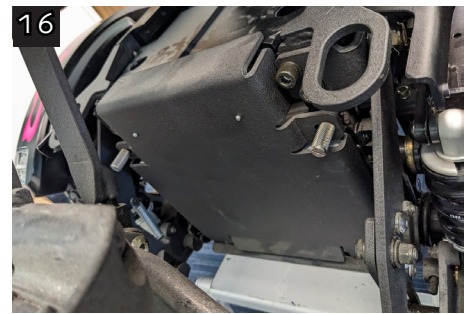
Removing the bolts in Step 2 releases the caster arm lockout lever. Work the lever down toward the floor and out of the way as shown (Figure 9). Use an 8mm Allen wrench to remove the rearmost seating bolt. Transfer the washer from the original bolt to an M10 x 35 bolt and insert it, leaving about 6mm (or 1/4") between the washer and the frame (Figure 10). Then, remove the frontmost rear seating bolt. Slide the bracket in between the fender mount and the chair base (Figure 11).



Guide the slot at the rear of the bracket under the rearmost frame bolt (Figure 12). Install the original frontmost bolt finger tight (Figure 13). Line up the front of the bracket, pull the lockout lever up into place, and loosely insert the front bolts (Figure 14). You may have to push the seat frame back and forth a little to get the bolts to line up.



Check that the bracket is level (Figure 15) and then tighten the bolts in the following order: the rearmost rear bolt first, then the front top bolt, then the forwardmost rear, then the front lower bolt. Repeat steps 2 and 3 on the other side. Then, reinstall the front battery cover (Figure 16).



* Note that on the lowest seat-to-floor height, you may need to replace the large fender washers on the underside of the seating assembly mounting rails with the 5/16 ID washers provided to clear the adjustment slots in the subframe brackets.

4 Prepare RNET Cables for LUCI Installation

Remove the rear battery to access the power module and unplug the RNET cable. Plug the provided RNET extension cable into the same port on the power module (Figure 17). Route both RNET cables out the right side of the wheelchair so they are easily accessible when the LUCI unit is installed (Figure 18). Plug the two ends together and confirm the wheelchair drives. Reinstall the battery.

