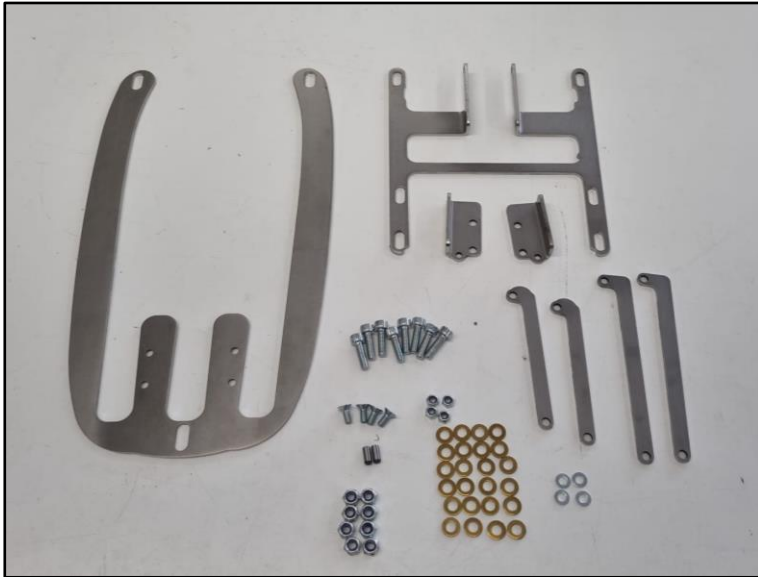


Assembly instruction
Rear hinge Upgrade
For Vespa Smallframe





Contents hinge

- 1 x base plate
- 1 x seat-plate with lash
- 1 x angle plate left with stop
- 1 x angle plate right with stop
- 2 x lever short with stop
- 2 x lever long
- 24 x brass washer for M6
- 8 x allen bolt M6x20
- 8 x self-locking nut M6
- 2 x cylindrical pin
- 4 x countersunk bolt M5x12
- 4 x washer for M5
- 4 x self-locking nut M5



Assembly hinge

Step 1: Attach the left and right angle plate to the base plate with the four M5x12 countersunk bolts, the washers for M5 and the M5 self-locking nuts. Use one M6x20 allen bolt, an M6 self-locking nut, and three brass washers.

Orientation of the plates: See picture on the left.



Step 2: Attach the short levers at the back and the long levers at the front of the base plate with the M6x20 allen bolts and the M6 self-locking nuts.

Place three brass washers between the bolt, the angle plate and the nut.

Orientation of the levers: See picture on the left.

Put the two cylindrical pins into the holes at the rear side of each angle plate.



Step 3: Attach all four levers to the upper seat-plate with M6x20 allen bolts, the M6 self-locking nuts. Place three brass washers between the bolt, the angle plate and the nut. Orientation of the base plate: see picture on the left. The notch must be on the right side.



Contents hinge upgrade

- 1 x rear hinge
- 1 x cover plate
- 1 x locking bracket frame
- 1 x locking shackle
- 1 x hexagon screw M7x20
- 1 x self-locking nut M6
- 2 x headless screw M7
- 2 x nut M7
- 4 x rubber buffer M6, D=25 / H=15
- 7 x washer M7
- 8 x washer M6

Optional

- 1 x lock, short with two keys (Seats V2.0)
- 1 x rubber bufferr M6, D=20, H=15 (Seats V2.0)
- 1 x flexible ratchet size 11



Installation

Note: To avoid possible scratches on the tank, a thin self-adhesive felt (not included) can be applied on the downside of the hinge.

Step 1: Unlock and remove the seat.

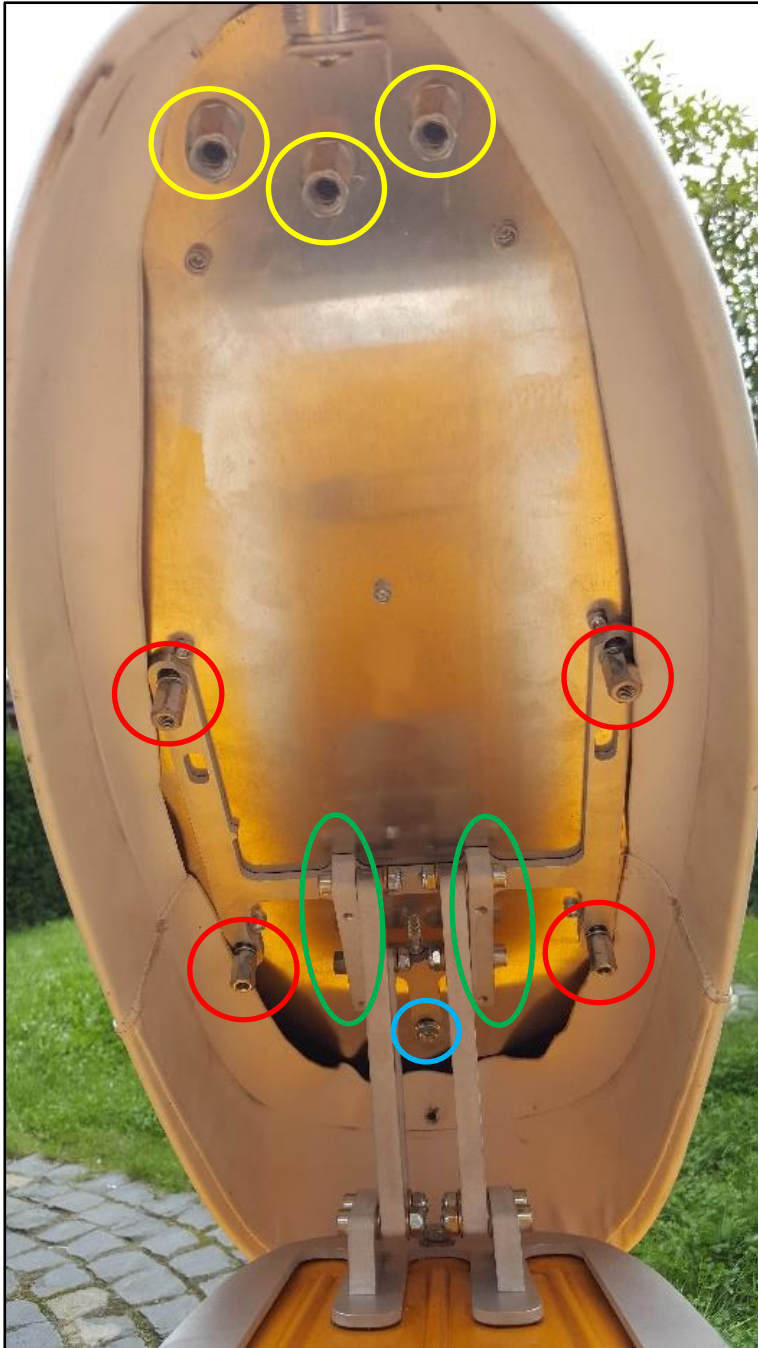
Step 2: Remove the three fastening bolts in the middle and back as well as the front locking bracket.



Step 3: Remove the original rubber buffers, the screws and the cover plate.

Step 4 (for V2.0 seats only): Replace the old lock with the new one (short version).

Step 5: Install the new locking shackle according to the photo on the left. The screw to fasten the shackle should be inserted with some threadlocker (e.g. Loctite).



Step 6: Mount the hinge on the lower plate of the seat with the spacer nuts and M6 washers (Red marking). Use the M6 self-locking nut in the back (Blue marking). Install the remaining M6 spacer nuts with the washers and spring ring (Yellow marking)

If the seat falls back down on its own, tighten the M6 nuts on the hinge a bit (green circles picture on the left).

Remove the protective film from the new cover sheet (brushed side = visible side). Bend the flanks of the seat a bit outside and position the cover sheet over the threads of the spacer nuts. Screw in the rubber buffers.

Front: 2 x D=20 / H=15 with counter-nut and washer

Middle and back: 4 x D=25 / H=15 without counter-nut, completely screwed in.



Step 7: Attach the seat and the hinge to the frame. Use the M7 headless screws, M7 nuts and washers in the front and the M7x20 hexagon screw with a washer in the back.

Note: Use the optional flexible ratchet here to reach the rear screw easily (see Step 8).



Step 8: Tighten the rear screw using the flexible ratchet, if available.

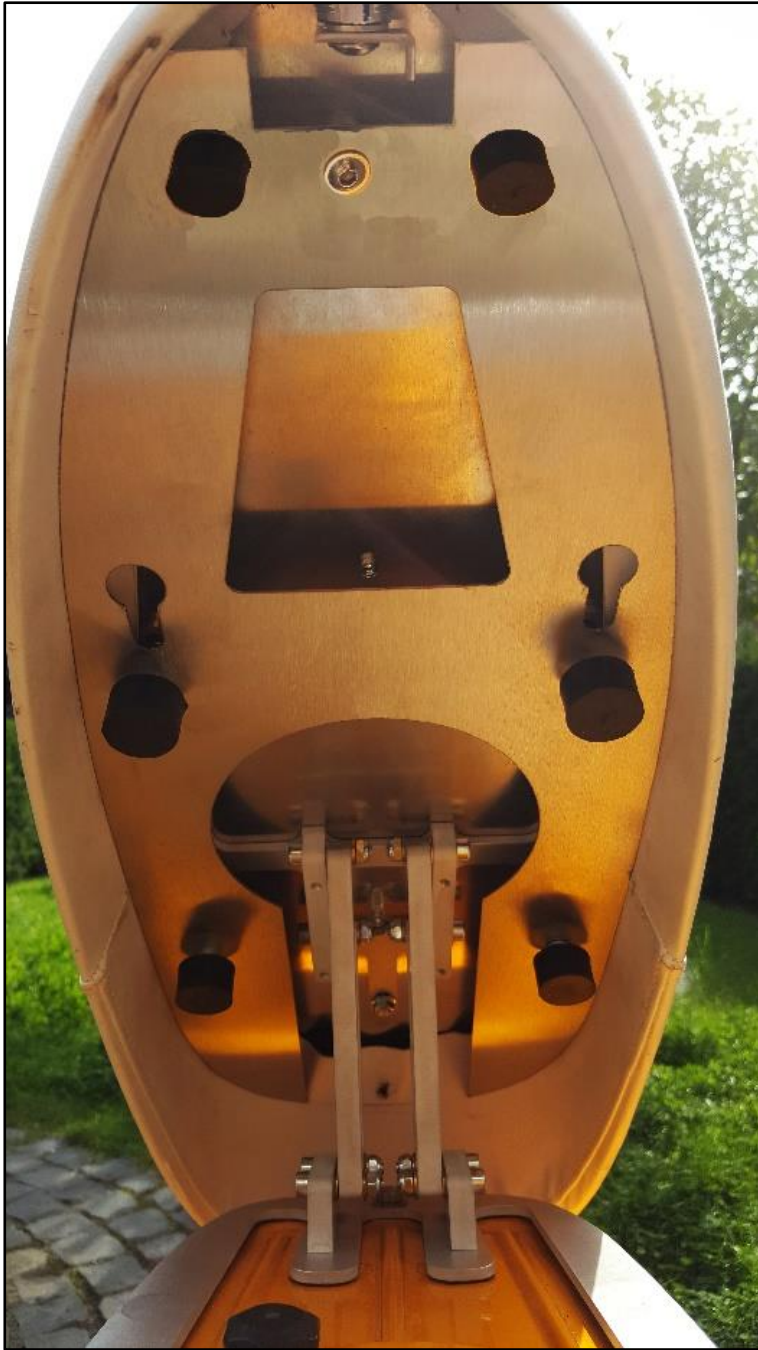


Step 9: Attach the new locking bracket to the frame with the M7x20 hexagon bolts and M7 washers. Refer to photo on the left.

Place the locking bracket completely to the front first as the final position will need to be adjusted later.

Step 10: Hinge the seat down and position the seat and/or the locking bracket together so the locking mechanisms are aligned and the seat can be locked. For seats V2.0 the seat needs to be positioned to the front until the front rubber buffer is sitting directly behind the locking bracket.

Tip: A visual check regarding the locked state (lock latch underneath the frame bracket) is possible through the front slit between the seat and scooter frame. The use of a flashlight is helpful here. If necessary, the locking bracket may need to be rasped a bit until it fits.



Step 11: Adjust the height of the front rubber buffers so they evenly lie on the frame when the seat is closed and the seat can still be locked when slightly pressing on the tip.

Secure the height of the front buffers with the counter-nuts

Note: If the seat sits too closely to the frame, the middle and rear rubber buffers can be raised with some M6 washers.

If the seat sits away too far from the frame in the rear, the front locking bracket can be heightened with two M7 washers. This will bring the rear of the seat down again.



Step 12: Unlock the seat by slightly pressing on the front tip. Hold the back of the seat while opening so the composite leather doesn't rub on the frame during the opening process.

Note: Once the seat is adjusted, it can be removed completely from the frame together with the mounted hinge.

No warranty is given on damages or subsequent damages that were caused by an improper installation. Due to legal reasons for decoration purposes only.