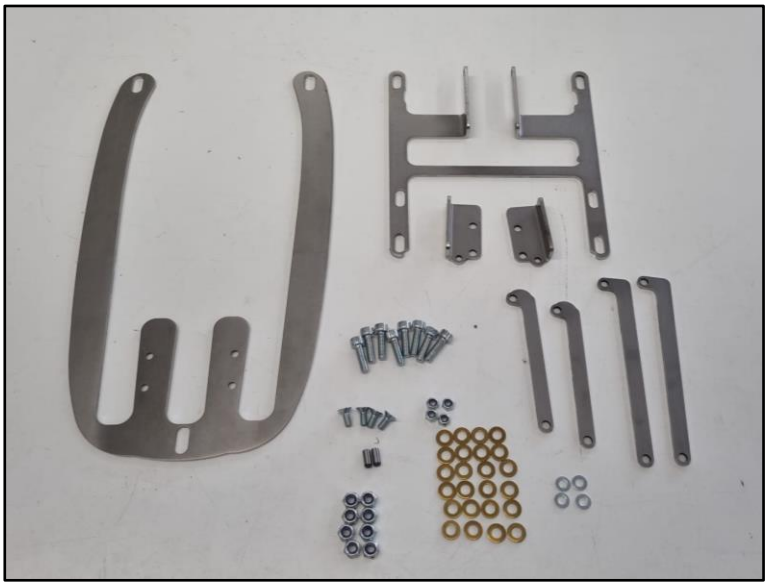
Assembly Instruction
Streamline Seats
Model “Pulse” with rear hinge
(Vespa Smallframe)



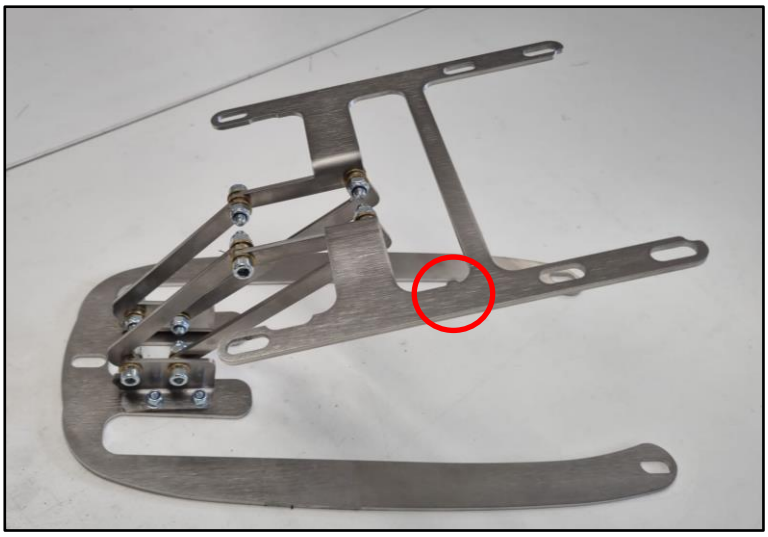
Contents hinge

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.ate with one M6x55 allen bolt, an M6 self-locking nuts.
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 seat

1 x upholstered seat with lock
1 x hinge
1 x cover plate
2 x key
3 x hexagon bolt M7x20
1 x locking bracket frame
1 x self-locking nut M6
9 x washer M7
2 x headless screw M7
2 x nut M7
7 x spacer nut M6x20
2 x rubber buffer D=20 mm , H=15 mm
2 x rubber buffer D=25 mm, H=15 mm
15 x washer M6
1 x lens head bolt M6x10
3 x spring ring M6
1 x flexible ratchet size 11 (optional)

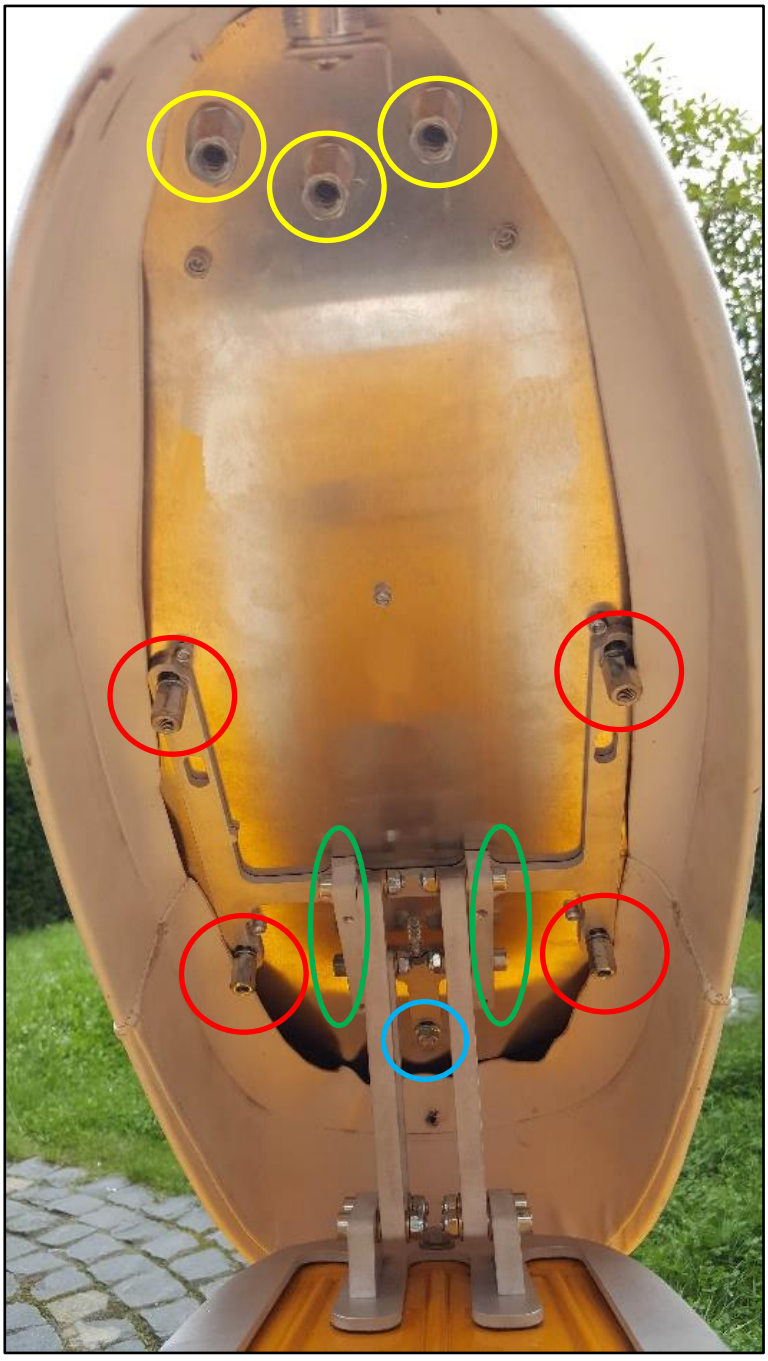
Installation seat

<u>Note:</u> 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: Unscrew the two bolts for the mounting of the old seat and remove the seat.

Step 2: Unscrew the two front bolts for the mounting of the tank.

Step 3: Remove the cone bolt for the locking mechanism of the old seat.



Step 4: Mount the hinge **<u>on the lower plate of the seat</u>** 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.

<u>Front:</u> 2 x D=20 / H=15 <u>with</u> counter-nut and washer
<u>Middle and back:</u> 4 x D=25 / H=15 <u>without</u> counter-nut, completely screwed in.

Step 5: 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 6).

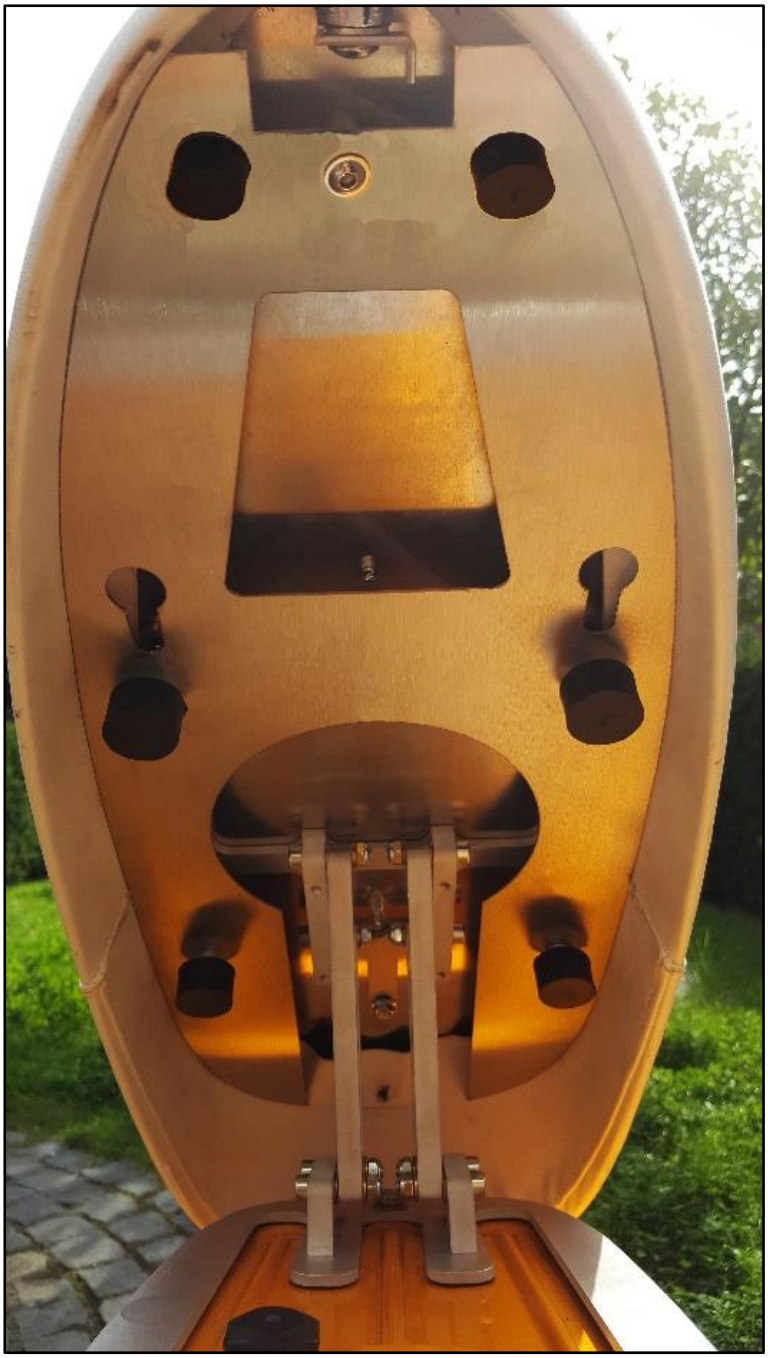
Step 6: Fasten the rear screw using a flexible ratchet, if available.

Step 7: Attach the locking bracket to the frame with the M7x20 hexagon bolts and M7 washers. Refer to photo on the left. Position the locking bracket completely to the front initially as the final placement will need to be adjusted later.

Step 8: 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.

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 9: 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 too far from the frame in the rear, the front locking bracket can be raised with two M7 washers. This will bring the rear of the seat down again.

Step 10: 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 was adjusted, it can be removed completely from the frame together with the mounted hinge.