

Stairiser SX Installation Guide using Manual Handling Jacks

The following guide lists the basic procedure to be used when installing the Stairiser SX from the ground floor with installation jacks and is a replacement for section 4.1 of the Installation Manual. This guide outlines this one procedure and the existing manual is to be used as a reference for all other installation requirements.

The purpose of this installation method is to minimise and aid manual lifting of the Stairiser SX during installation and also delivery of the lift from the vehicle to the installation site.

Procedure

1. Before unloading the lift, check the site for the best route to get the lift through the building. Depending on the site, a Stair Climber, Sack Truck or jacks can be used to move the lift. The following details using the jacks.
2. After unloading from the van, stand the stairiser up on its base (it may help to place the unit on 100mm blocks). **Ensure unit is stable.** Remove packaging from around the ramps.
3. Fit the jacks to the 4 x M8 holes in the frame side stiffeners. It may be necessary to adjust the height of the jacks to fit them. Raise the jacks using a battery drill and the emergency release tool bar.
4. Ensure unit is level and stable. Wheel unit to the installation site. Use the castor brakes when leaving the lift stationary.

Wall Mounted

5. Mark positions of upper and lower rail fixing holes as per builders work drawing and drill into the wall with a Ø10mm drill. Using studding provided (do not use chemical resin), position the rail and drill out remaining fixing holes to correct size, Ø12mm. Remove the rail and drill out the upper and lower holes to Ø12mm.
6. Position and fix the mid rail.
7. Remove the upper rail.

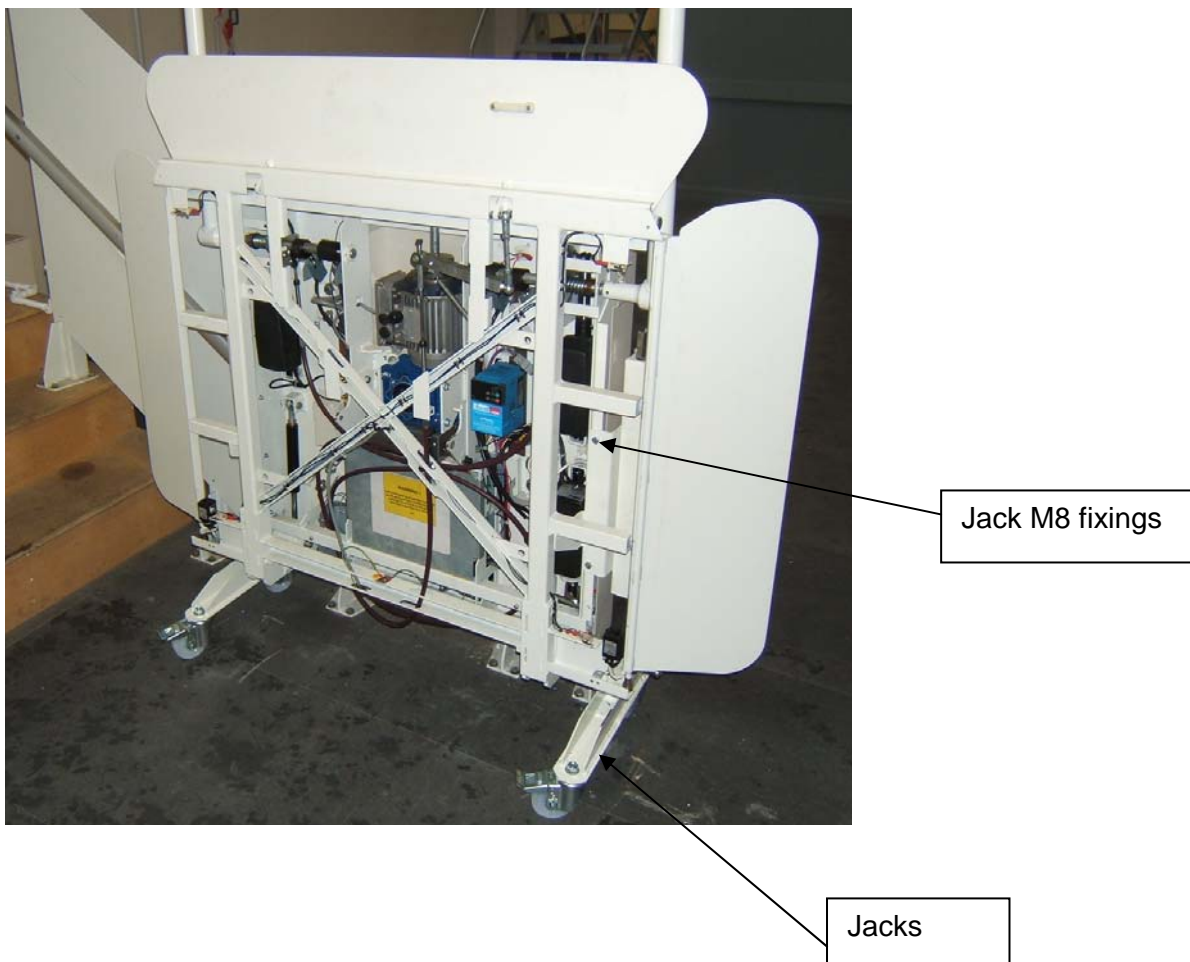
Pillar Supported

8. Position the upper and lower pillars on the staircase as per builders work drawing and loosely fit the rail. Position the remaining pillars. Bolt all pillars down onto stairs using the correct fixings supplied. Mark middle pillar fixing holes and drill through Ø10.4mm.
9. Position and fix the mid rail.
10. Remove the upper rail.

Fitting the lift

11. Wheel the lift into position and uncoil the trailing cables. Lay the rail on the stairs and feed the cables through the trailing cable carrier and conduit.

12. Lift the rail and carefully guide onto the rear skate until the rack starts to engage on the pinion. Using the battery drill, turn the motor to wind on the rail until the correct engagement is reached. Ensure the trailing cables are kept lightly pulled and engage the carrier to the end fitting.
13. Keep the upper end of the rail supported at all times.
14. Adjust the jack heights using the battery drill until the guide upper fixing hole is in position and loosely fix in position. Adjust the jack height again until the guide lower hole is in position and fix into position.
15. Fix remaining visible rail fixings.
16. Raise the jacks off the floor and remove them from the Stairiser. It may be necessary to move the lift up the rail slightly. If pillar mounted, take care not to jam jacks into the pillar gussets when moving the lift.
17. Raise the lift up the guide until the remaining guide fixings are visible and fix back.
18. Continue with installation as previously directed.





Jack winding nut.
24mm socket or battery drill and
emergency winding handle bar

Braked castor



Jack height adjustment made by
a battery drill and emergency
release tool bar or 24mm socket