

Top-Of-Car Handrail Kit Installation Procedures

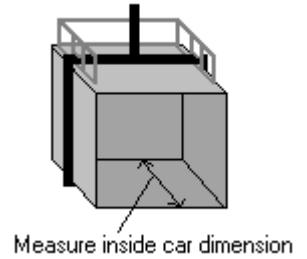
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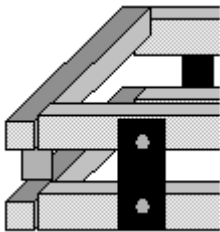
Tools Needed:



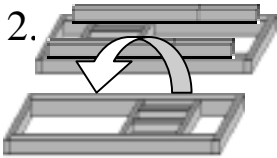
Measure inside car dimension:



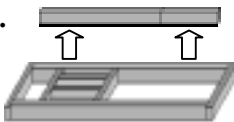
1.



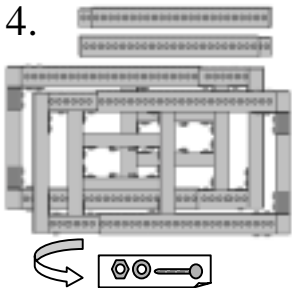
2.



3.



4.



Unpack TOC:

1. **Remove Small Flat Plates** from each corner
Flat Plates not needed for TOC assembly
Save the bolts, nuts and washers for later use

2. **Unfold TOC into two parts**

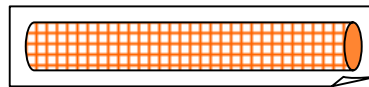
3. **Remove Rear Rails***

Save the bolts, nuts and washers for later use

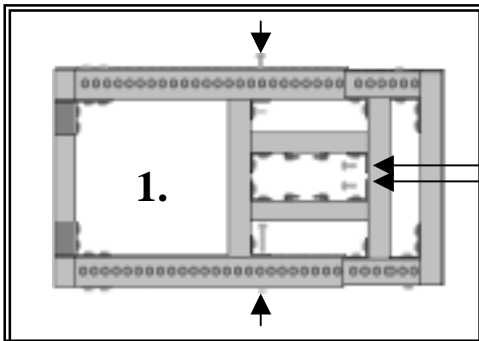
4. **Unpack Hardware bag** from inside of rail
Hardware bag has nuts and bolts for final assembly

**If you have a 2-door TOC kit, skip Step 3. 2-door TOC kits will only have 2 side rails with no rear rails.*

Debris Netting is optional and may come with your kit
Please unpack debris netting when unpacking your TOC

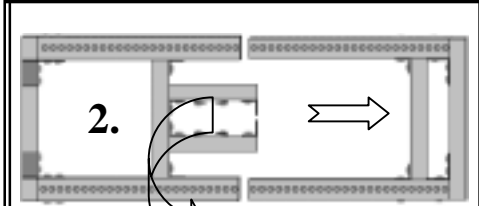


ATTACH SIDE RAIL



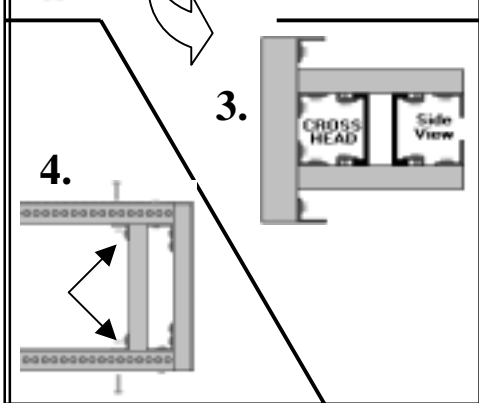
1. Remove 4 bolts

Save the bolts and nuts to reassemble later



2. Pull Side Rail apart into 3 parts

Pull two telescopic ends apart on a flat surface
Center section can be lifted out from between the 2 telescopic rails



3. Place and Attach center section to Crosshead

Place center section around crosshead
Attach beam clamps to crosshead
Use Time-Saver below**



4. Detach inside rail from Side section

Remove 2 bolts and nuts

5. Reattach inside rail to enclose crosshead area

Use two 1" bolts to reattach the inside rail

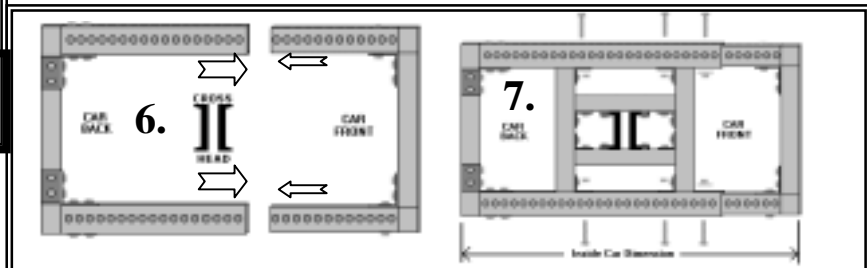
6. Place two side rail sections together around crosshead

7. Adjust telescopic rails to Inside Car Dimension

Place telescopic rails over center rail section
Use 4 bolts & nuts to attach telescopic rails to brackets & nuts with washers need to
Pass additional bolts through both telescopic rails in overlapped area

8. Repeat steps 1 - 7 for the other side rail.

***After completing Step 5, see Height Requirements below.**

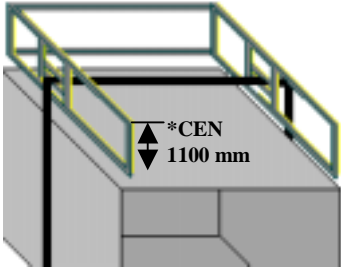


****Time - Saving Tip** Beam clamps can be quickly slid back and forth into position
Also, brackets can be loosened to re-position rails quickly



HEIGHT REQUIREMENTS

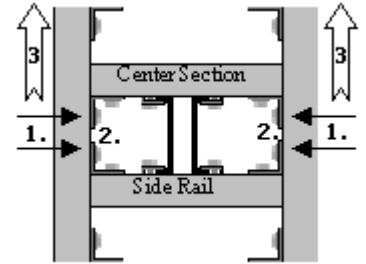
Adjust two vertical rails so that the top rail is not lower than 35" (900mm) from the top of the car *UNLESS MEETING CEN REQUIREMENTS



CEN code requires the top railing be at least 43.5" (1100mm) high from the top of the car.

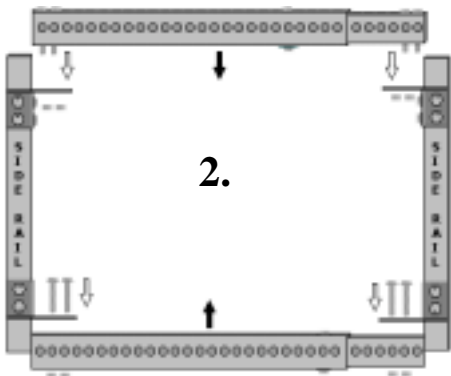
To quickly adjust the height:

1. Loosen 4 bolts
2. Push Down on bolt heads
3. Slide two vertical rails upward or downward into position



IMPORTANT: Handrails must not extend past car's edge and/or obstruct normal elevator operation

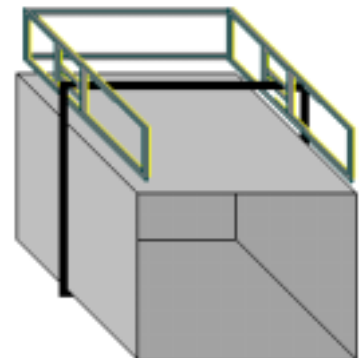
Attaching Rear Rails



1. **Adjust length** of telescopic rear rails
Pass 3" bolt through both telescopic rails in overlapped area
Secure rear rails with bolt, nut and washer
2. **Attach rear rails** to rear corner brackets on side rails
Use 4 bolts & nuts per rear rail to secure to side rails

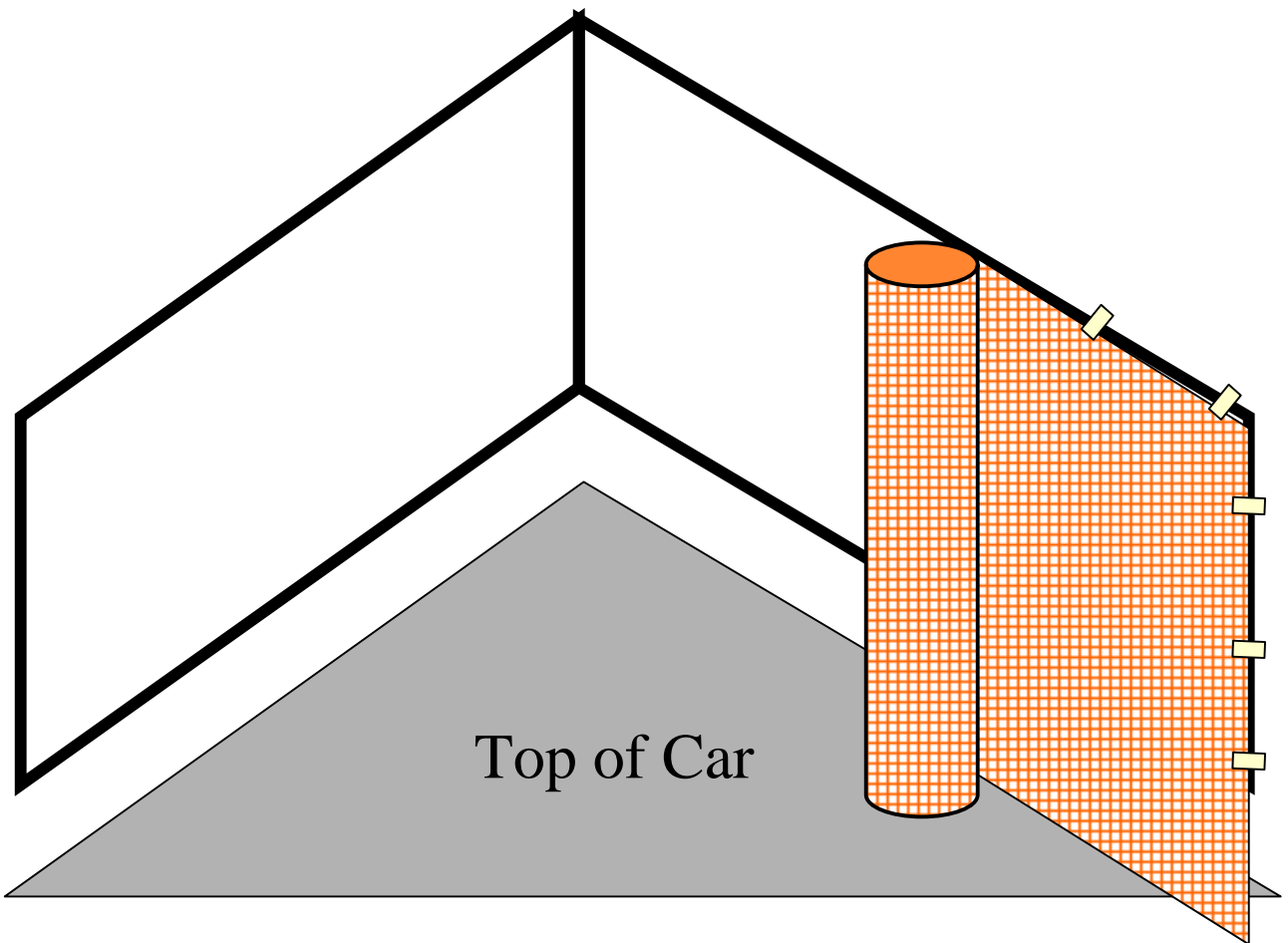
When Completed:

IMPORTANT: Ensure all nuts and bolts are securely fastened and permanently placed.



Attaching Safety Netting:

Tools needed to attach the safety netting are scissors or similar cutting device.



Stand *Roll of Safety Netting* on the top of the car.

Tie-Wrap *End of the Roll* to the front corner rail.

Unroll the netting, while tie-wrapping it to the railing.

Cut sections of the netting *to get around objects* such as the Crosshead beam.

When completed, the safety netting should cover the area from the top railing to the top of the car.

IMPORTANT: Ensure the netting or tie-wrap ends are not overhanging the edge of the top of the car by trimming them with scissors. Safety Netting or Tie-Wraps should not obstruct normal operation of the elevator car.