

Top-of-Car (TOC) Toeboard Installation Kit



| TOC TOEBOARD | | |
|--------------|------------------------|------------------------|
| Part Number | To form SIDE Toeboards | To form REAR Toeboards |
| 100-01TB | (1) 36" + (1) 48" | (1) 36" + (1) 48" |
| 100-03TB | (2) 60" | (2) 60" |
| 100-05TB | (1) 60" + (1) 72" | (2) 60" |
| 100-07TB | (1) 36" + (1) 48" | N/A* |
| 100-09TB | (2) 60" | N/A* |
| 100-11TB | (1) 60" + (1) 72" | N/A* |
| 100-13TB | (1) 48" + (1) 60" | (2) 36" |
| 100-15TB | (1) 48" + (1) 60" | (1) 36" + (1) 48" |
| 100-17TB | (2) 36" | (1) 36" + (1) 48" |

*N/A – Front and rear opening cars have no rear toeboard

The TOC (Top-Of-Car) Toeboard Kit is to be used in conjunction with the TOC Handrail Kit to provide protection for car top workers.

INSTRUCTIONS

Step 1: For front opening cars, measure the car's length and width. For front and rear opening cars, measure only the length.

Step 2: Form the toeboards using sections of flat rail listed in the table Toeboard Kit Part Numbers. The formed toeboard should be equal to the car length/width minus two inches to allow one inch clearance on all sides between the toeboard and the car top's edge.

Join the two sections together using two 3/8" bolts, lock washers and flat washers so that the bolt heads are to the outside of the toeboard and the bolts are pointing to the car's center.

Step 3: Fasten the 3" support brackets to the outside of formed toeboards using two 3/8" bolts, lock washers and flat washers with the bolts pointing to the car's center.

The support brackets should be placed as close to the ends of the formed toeboards as possible and spread evenly between the ends with two feet or less of separation, EXCEPT FOR front opening cars where the support bracket should be 3 inches from the end of the toeboard so that a corner bracket can fit (see Step 5).

Two feet or less separation between support brackets is required to meet performance requirement of 50 lbf laterally applied.

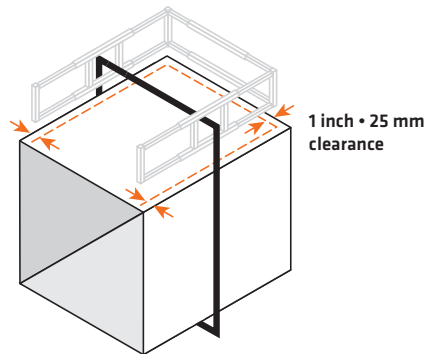
Step 4: Fasten the support brackets to the car top using two #10 screws, neoprene flat washers, and fender washers. Maintain a one inch clearance from the car top's edge. The toeboard height should be 4 inches with 1/4" clearance between the toeboard's bottom edge and the car top.

Skip Step 5 if you have a front and rear opening car.

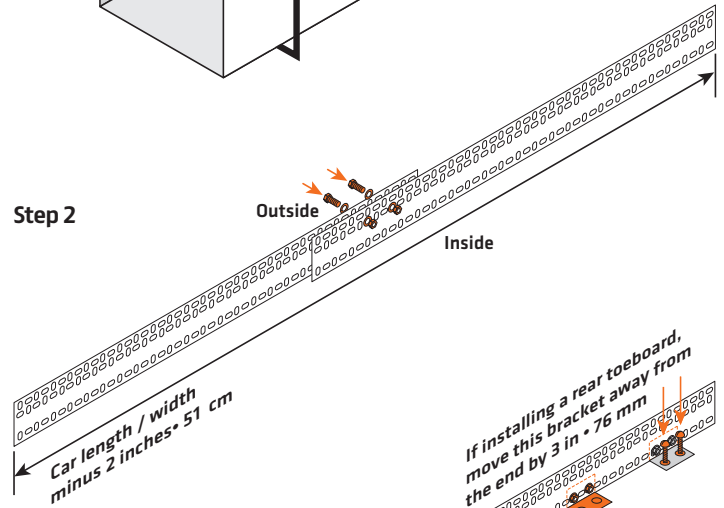
Step 5: For front opening cars, use support brackets as corner brackets to attach the rear toeboards to the side toeboards. Bolt the corner brackets as you did the support brackets, making sure the bolts point to car's center.

Step 6: Tighten all fasteners securely. Make sure that no part of the toeboard extends past the edge of the car top. The one inch clearance is recommended to allow some deflection of the toeboard.

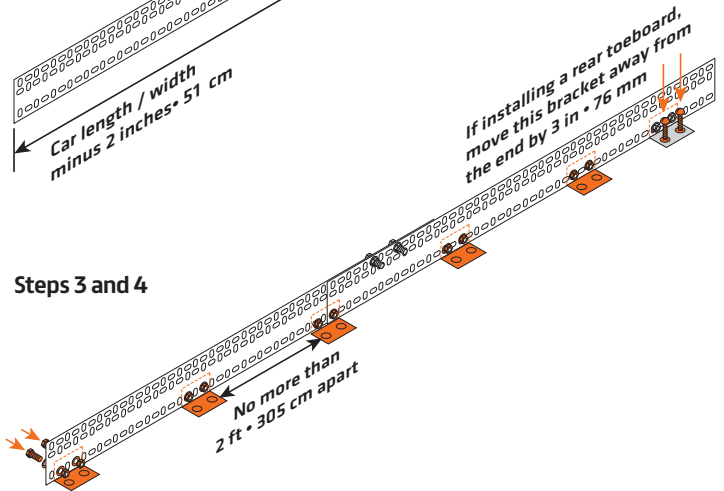
Step 1



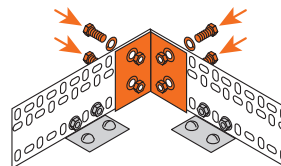
Step 2



Steps 3 and 4



Step 5



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