

# Installation Guide MH-SA50



## Parts List:



Straight Powder-Coated, Steel Tube x 4



Mounting Bolt w/ Lock Washer x 4



Tube End Caps (pre-installed) x 4



Nylon Hanger x 8



Locking Nut w/ Washer x 16



Elevator Bolt x 16



Elevator Washer x 16

**Watch the Installation Video:**  
[RobmarPlastics.com/install/](http://RobmarPlastics.com/install/)



**> Important Notice <**

These instructions are only a guide! Every truck is different and each setup is unique. It's your responsibility to make sure there is enough clearance between your tires and the fenders at all times. Improper installation will void your warranty.

**What This Kit Does:**

Your MH-SA50 kit will mount one pair (2) of Robmar 'SAF' series fenders.

Each individual fender is mounted with two (2) straight steel tubes, one (1) on the front side of the fender and one (1) on the back.

Each steel tube will be bolted onto the frame of the truck with a mounting bolt.

Two (2) nylon hangers will slide onto each tube, which secure the fenders to the tube.

There will be a total of four (4) hangers securing each fender.

The fenders are secured to the hangers with the elevator bolts, connecting them together using the elevator washers and locking nuts with washers.

**Preparing for Installation:**

If your truck has an air suspension, begin by dumping all of the air.

It's important to note that when you load up your truck (e.g. with a trailer), the added weight may cause the truck to sit lower than normal, thus decreasing the space between the tires and fenders.

Maintaining proper spacing between your truck's tires and your fenders is essential for preventing damage. There needs to be a minimum of 1.5" of free space at all times.

You need to know how low your truck will sit when it's under the maximum load with all of the air released (if applicable). It is best to install the fenders when your truck is under these conditions to ensure that your fenders won't make contact with your tires.

If that is not possible, you need to leave plenty of extra space between the tires to prevent contact. Then, when your truck is under the maximum load with the air released (if applicable) you can adjust your fenders down to the minimum 1.5" gap.

Always inspect your fenders and tires after putting a new load on your truck to ensure proper spacing is maintained.

Fenders that have been worn/damaged by tires are not covered under warranty!

**Notice on 5<sup>th</sup> Wheel Height:**

Proper 5<sup>th</sup> wheel height is essential to ensure clearance between trailers and your fenders. You can measure from the ground to the top of the 5<sup>th</sup> wheel to determine 5<sup>th</sup> wheel height. Below are recommendations for 5<sup>th</sup> wheel height, depending on tire size:

22.5 'low-pro' tires – 48"

22.5 tall tires – 49"

24.5 'low-pro' tires – 49"

24.5 tall tires – 51"

This is a general guide for recommended spacing. It's up to you to make sure that your trailer doesn't contact the fenders. A higher 5<sup>th</sup> wheel will always be safer for clearance.

**Installation Instructions:**

An easy way to set your fenders to the 1.5" minimum spacing is to use a 2x6" board. The 2x6" is more convenient than a 2x4" because it prevents the fender from tilting.

If your suspension has a high amount of vertical travel, you may want to use a thinner spacer. Just make sure that you can maintain 1.5" clearance when the tires move.

1. After placing your spacer, set the fender on top of the spacer, over the tire.
2. Measure the front and back of the bottom of the fender to the ground to ensure level.
3. Plan the tube placement by holding it against the fender and frame, while checking for the location of existing bolt holes.
4. Remove bolts from the frame at your selected mounting locations. At this step, if you can't find appropriate existing bolt holes, you may need to drill your own holes. Existing Huck® style bolts may need to be cut to be removed.
5. Insert a 5/8" mounting bolt through the hole from the inside of the frame.
6. A lock washer is included to prevent your tubes from coming loose during operation. The use of LOCTITE® Threadlocker Blue 242® is highly recommended. Use LOCTITE® Threadlocker Red 271® for high vibration applications. (LOCTITE® products not included).
7. Tighten the tube to the frame, but not all the way.
8. Slide 2 hangers onto the tube.
9. You will need to drill holes through the fender so the elevator bolts can hold the fender to the hanger. Mark the location of your hanger holes on the fender by tracing the holes through the hanger directly onto the fender. Then carefully drill your hanger holes through the fender.

10. Pair elevator bolts and washers. Then insert the elevator bolts through the underside of the fender (with the large, black plastic washer on the underside and the elevator bolt nut on top side of the fender) and up through the hanger. Secure hanger to fender by tightening the elevator bolt lock nuts.
11. Secure the hanger to the tube by tightening the set screw on top of the hanger with an Allen Wrench.

**AVOID OVER TIGHTENING THE SET SCREW!**

**Tighten the set screw only a ½ turn after the screw makes contact with the tube.  
Going any further will cause damage to the hanger.**

12. Fully tighten the mounting bolt to complete the tube installation. Tighten to 161 ft/lbs or torque. **Over tightening can lead to broken bolts.**
13. Repeat this process for all of the tubes until your fenders are properly secured.
14. Make sure to follow the Pre-Operation Checklist below every time before operating your truck with Robmar Plastics Poly Fenders installed:

**Pre-Operation Checklist**

1. Check to ensure proper spacing between the tires and fenders.
2. Check to ensure all tubes are tightened properly to the frame.
3. Check to ensure all bracket components are free from damage or excessive wear.
4. Check to ensure proper clearance between fenders and trailer (account for movement of trailer during operation).