

Installation Guide MH-TA51



Parts List:



Off-Set, Powder-Coated, Steel Tube x 2



Mounting Bolt & Distorted Thread Nut x 2



Tube End Caps x 2




Center Bracket Assembly x 2




Swing Arm w/ Mounting Assembly x 2




Button Head Bolt w/ Nut x 8



Nylon Hanger x 4



Elevator Bolt w/ Washer x 8



Locking Nut w/ Washer x 8

Watch the Installation Video:
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.

The Basics:

Your MH-TA51 kit will mount one pair (2) Robmar 'TAF' series fenders.

Each fender is mounted to the frame of the truck by one steel tube and by one Center Bracket Assembly.

Both Center Bracket Assemblies are mounted to the frame with a swing arm and its mounting assembly.

The fenders are secured to the Center Bracket Assembly by the SpinLock bolts and flange nuts that come pre-assembled into the Center Bracket.

Each steel tube will be bolted onto the frame of the truck with a mounting bolt. Two nylon hangers will slide onto each tube, which secure the fenders to the tube.

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. A flat level surface is strongly advised for the installation process.

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 5th Wheel Height:

Proper 5th wheel height is essential to ensure clearance between trailers and your fenders. You can measure from the ground to the top of the 5th wheel to determine 5th wheel height. Below are recommendations for 5th 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 5th 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 width of the 2x6 will prevent the fender from teetering back and forth.

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. Place your 2x6" spacer on the tire you have decided to start with, then put the fender on top of the spacer. Even up the fender with the frame of your truck.
2. Hold the Center Bracket Assembly up to the frame and locate an appropriate hole to mount the Swing Arm, which the Center Bracket Assembly will connect to. (You may need to drill a hole if there isn't a suitable location.)
3. Mount the Swing Arm using its mounting assembly. Add or remove the included circular, plastic spacers to get the desired fit. Loosely connect the Center Bracket Assembly and adjust it to the approximate final height. Ensure that the fender is level. (Don't tighten fasteners any more than necessary at this point. The U-Bolts will quickly get a strong grip and they can be difficult to loosen.)
4. You need to drill four holes through the fender to secure it to the Center Bracket Assembly. Drill your holes through the underside of the fender by using the existing holes in the top of the Center Bracket as a guide. Then, re-install the bolts and nuts you previously set aside to secure the Center Bracket Assembly and fender together.

Now you will be installing the off-set tube which will secure the rounded side of the fender to the frame of the truck.

5. Begin by sliding 2 hangers onto the tube – but don't tighten them.

6. Hold the tube up to the frame of the truck to locate a hole that will be ideal for mounting. (You may need to drill a new hole if there isn't a suitable location.)
7. Bolt the tube onto the frame hole that you have selected, but don't tighten it all the way (so that the tube can be swiveled for final adjustment.) During the final tightening, tighten to 161 ft/lbs of torque. Over tightening can lead to broken bolts!

A distorted thread nut 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).

Notice on Bolt Length:

The 5/8" bolts included in your kit are long enough for most applications. It's important that the distorted thread nut is able to fully thread onto the bolt to be effective. If your bolt(s) isn't long enough for the distorted thread nut to fully thread onto the bolt (with at least ¼ to ½ inch thread showing) please contact us. We have longer bolts available.

8. Slide the hangers along the tube so that they are positioned directly over the middle of one of the fender ribs.
9. Use a pencil to mark points on top of the fender, lined up with the center of the hole on each side of the hanger. Drill holes in the fender at the points that you have marked. (The fender is secured to the hanger with an elevator bolt on each side.)
10. Start by pushing an elevator bolt through the square elevator washer. (The elevator washer will be positioned underneath the fender, while the elevator bolt will go through the fender and the hole in the nylon hanger on top of the fender.)
12. Secure the other end of the elevator bolt that's coming through the hanger with a small washer and locking nut.
13. Secure the hangers to the tube by tightening the set screw. *Please note:*

AVOID OVER TIGHTENING THE SET SCREW!

Tighten set screw only ½ turn passed the point of separation between the top of the tube and the hanger. Going further will cause damage to the hanger.

Repeat steps 1 through 13 to install the fender on the opposite side of the truck.

Ensure that your fenders are all level and even with the truck. Double check to make sure that you have at least 1.5" of spacing between the tires and fenders.

The final step is to tighten all of the fasteners to secure everything in proper placement.

Before operating your truck, every time, you need to follow the Pre-Operation Checklist below:

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).