Step 1 – Unbox your bracket kit.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Bracket</td>
<td>6</td>
</tr>
<tr>
<td>Bracket Tube</td>
<td>4</td>
</tr>
<tr>
<td>Center Bracket Arm</td>
<td>2</td>
</tr>
<tr>
<td>Center Bracket Riser</td>
<td>2</td>
</tr>
<tr>
<td>5/8&quot; x 2 3/4&quot; Zinc Flange Bolt</td>
<td>6</td>
</tr>
<tr>
<td>5/8&quot; Flange Nut</td>
<td>6</td>
</tr>
<tr>
<td>1/2&quot; x 2 1/4&quot; Black Flange Bolt</td>
<td>6</td>
</tr>
<tr>
<td>1/2&quot; Flange Nut</td>
<td>2</td>
</tr>
<tr>
<td>5/16&quot; x 1&quot; Zinc Serrated Flange Bolt</td>
<td>12</td>
</tr>
<tr>
<td>5/16&quot; x 1&quot; Black Flange Bolt</td>
<td>12</td>
</tr>
<tr>
<td>5/16&quot; Zinc Flange Lock Nut</td>
<td>12</td>
</tr>
<tr>
<td>5/16&quot; x 1.25&quot; Zinc Fender Washer</td>
<td>24</td>
</tr>
<tr>
<td>Plastic End Cap</td>
<td>10</td>
</tr>
<tr>
<td>Foam Spacer Block</td>
<td>2</td>
</tr>
</tbody>
</table>

Step 2 – Bolt fenders together.

A. Place both fender pieces on their backs, align the sides and clamp. Drill 3 holes using 3/8" drill bit equally spaced apart. See Figure 2.1, 2.2

B. Bolt fenders together using three of the supplied 5/16" x 1" silver serrated bolts, six washers (one on each side of the bolt and three nuts. See Figure 2.2

Step 3 – Measure your suspension travel

This is important as you will be mounting your fenders with the air up. This will assure that you have proper spacing between your fender and tires to prevent rubbing. An aired up install also assures that your wheels will be centered within the fender and that you have proper fifth wheel clearance. Mounting with the air down will often times lead to an uncentered fender once you air up.

A. First dump the air from your suspension and confirm you are at the lowest point of travel.

B. Measure from the ground up to a point on the frame behind the front drive axle

C. Now air up your suspension and measure from the ground to the same point; keep your truck aired up as you will be mounting your fenders with the air up.

D. Subtract the aired down measurement from the aired up measurement to get your total travel

E. Add .75" to 1" to your total travel. If your tires are excessively worn add the difference of new tread depth versus current tread depth. See Example on page 2
**Step 4 – Install your spacers & place your fenders.**
A. Tape your foam spacer block on the top crown of your tires. Based on the space needed either tape your spacer block flat as shown in the Figure 4.1 or on edge for a spacing over 2 inches. Remember you may have to trim the spacer block based on your calculation in Step 2.

![Figure 4.1](image)

B. With the fenders sitting on the foam blocks slide them forward or backward to its desired position. Having everything exactly straight and level isn’t important at this stage.

**Step 5 – Locate & Mount Center Bracket Assembly**
A. First construct the Center Mounting Bracket Assembly by using a Bracket Swivel, Center Bracket Arm & Center Bracket Riser. Attach the Center Bracket Arm to the Swivel using the ½” Black Flange Bolt and ½” Zinc Flange Nut. Tighten so it will barely swivel. Next attach the Center Bracket Riser using three 5/16” Black Flange bolts and lock nuts. Hand tighten so Bracket Riser will slide up and down on center bracket. Note the riser piece is in its lowest position. See Figure 5.1.

B. Position the Center Bracket Assembly under the fenders between the axles. Locate a frame bolt...
along the **top row of Huck bolts** to remove in order to bolt the center assembly to the frame. Keep in mind you want this assembly near the center where the two fender pieces are bolted together on either side of the seam. See **Figure 5.2**

C. Remove the identified frame Bolt. Next, attach your center bracket assembly. Position the swivel vertically where it will mate to the fender in the desired position. Torque the 5/8” grade 8 bolt and nut to 160 ft./lbs using a thread locker (we recommend Permatex® Orange)

B. Level your center riser with your fenders and secure the three nuts and bolts to secure riser height. See **Figure 5.3**

**Step 6 – Mount the Swivels and Mounting Tubes, both front and back.**

A. Align the fender assembly off the frame See **Figure 6.1**
B. Attach the mounting tubes to the swivels with the supplied ½” bolts. Identify an existing hole or frame bolt location where the tube will reach the fender and be within 10” or less from the bottom of the fender. See Figure 6.1 Note: you can rotate the swivel bracket 360˚, so finding multiple mounting locations should be easy.

C. Use an existing hole in the frame or remove a frame bolt (Huck bolt) and replace with the supplied 5/8” bolts and lock nuts. Insert the 5/8” bolt into the swivel and thread the nut from inside the frame. Tighten just enough so you can still rotate the swivel but it will still hold its position. Rotate the Swivel and Tube until they meet the fender in the desired position. Tighten the swivel to 160 ft/lbs. using a thread locker (we recommend Permatex® Orange) See Figure 6.2

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**Step 7 – Attach the front and back of the fender assembly to Mounting Tubes:**

A. Rotate the front bracket tube until the threaded inserts face the fender ribs. Snug the ½” bolt on the mounting tube attached to the swivel bracket and keep the tube from rotating as you do this.

B. Mark the hole locations with a line across the top of each threaded insert and a small vertical line on each center. See Figure 7.1 & 7.2 Align the top of a 3/8” drill bit to the bottom and center of the mark you made for each hole and drill a hole through the fender. See Figure 7.3

C. Using the supplied 5/16” x 1” zinc bolts and fender washers, attach the fender to the mounting tube (washers go on the inside of the fender). Be sure to use an appropriate thread locking compound such as Loctite, Permatex, etc. (we recommend Permatex® Orange).

D. Tighten the ½” bolt on the mounting tube attached to the swivel bracket. Be sure to use an appropriate thread locking compound such as Loctite, Permatex, etc.

E. Repeat steps A – D on the rear bracket tube.

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**Step 7 – Attach fenders to the center rise.**

A. Use the provided 3 holes on the top of the riser as a guide to drill up through the fender for mounting. Fasten the fender to the riser using the 5/16” Black Flange bolts and lock nuts.

Repeat these steps on the other side

**We appreciate your business!!!**

If you need help with your installation, please call 800-735-6510