Installation Instructions
Bracket Kit: BK10BS, BK11BS, BK12BS & BK13BS
For use with Fender Series: FHR 62, FHR67 & FHR78

Step 1
Unbox your bracket kit; you will find the following:

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Bracket</td>
<td>4</td>
</tr>
<tr>
<td>Bracket Tube</td>
<td>4</td>
</tr>
<tr>
<td>5/8” x 2 3/4” Zinc Flange Bolt</td>
<td>4</td>
</tr>
<tr>
<td>5/8” Flange Nut</td>
<td>4</td>
</tr>
<tr>
<td>1/2” x 2 1/4” Black Flange Bolt</td>
<td>4</td>
</tr>
<tr>
<td>5/16” x 1” Zinc Serrated Flange Bolt</td>
<td>12</td>
</tr>
<tr>
<td>5/16” x 1.25” Zinc Fender Washer</td>
<td>12</td>
</tr>
<tr>
<td>Plastic End Cap</td>
<td>8</td>
</tr>
<tr>
<td>Foam Spacer Block</td>
<td>2</td>
</tr>
</tbody>
</table>

Step 2 – Measure your suspension travel to determine the correct spacer block
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 selected point on the back of the frame and record the distance.
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 Below

| Air Down = 28” | Air Up = 29” |

**Spacer Calculation**

- 29” Air Up
- 28” Air Down
  1” Frame Travel
  + .75” to 1” for gap when air is down
  + .25” Tire Wear (in this example)
  = 2” to 2.25” Spacer Needed

Most trucks will require a spacer of 2 inches to 3.5 inches. We include spacer blocks that are 2” if laid flat or 3.5” on edge. If you need less or greater space you can easily trim or add to your spacer block.
Step 3 – Install your spacer Blocks.

A. Find the center of your particular half round fender and make a mark with a pencil.

B. From the center line measure 5” in both directions and make marks.

C. Place the inside edge of the spacer blocks on your 5” mark from center line and tape in place. If you need over a 2” gap, tape the foam block on its narrow edge.

Step 4 – Place the fender on the tire.

A. Measure from the ground up to both the front and back of the fender and position it equally as in Figure 4.1.

B. Measure from the frame to the edge of the first rib to ensure the fender is sitting parallel to the frame as in Figure 4.2.

C. Place a level on top to ensure the fender is sitting level across the top of the tires as in Figure 4.3. You may have to shim the spacers on one side to get it level if the tires have worn unevenly.
Step 5 – Mount the Swivel and Mounting Tube.

A. 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 5.1 Note: you can rotate the swivel bracket 360˚, so finding multiple mounting locations should be easy. For a uniform look, make sure this location will work on both the front and back so brackets will align as in Figure 5.2.

Step 6 – Bolt on Swivels.

A. 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 150 ft/lbs. Repeat on the back side of the fender. See Figure 6.1
Step 7 – Attach Fender to Mounting Tubes.

A. Rotate the fender tube until the threaded inserts face the fender ribs. Snug the 1/2" bolt on the mounting tube attached to the swivel bracket; 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 as in Figure 7.1, 7.2

C. Align the top of a 3/8” drill bit to the bottom and center of the mark. Drill a hole through the fender at each mark. See Figure 7.3

D. Using the supplied 5/16" x 1" silver (zinc) bolts and fender washers, attach the fender to the mounting tube (washers go on the inside of the fender) and be sure to use an appropriate thread locking compound such as Loctite, Permatex, etc (we recommend Permatex Orange). You may find it helpful to remove the mounting tube from the swivel to insert the 5/16” bolts. Retighten the mounting tube to the swivel, this time use a thread locking compound.

E. Repeat these steps for all other fenders!

We appreciate your business!!!

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