DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.
# Installation Instructions

## Offset Bracket - 4 & 6 Inch

### TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Parts &amp; Tools</th>
<th>Installation Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset Bracket - 4 Inch #501-1560</td>
<td>Determining the Pivot Point</td>
</tr>
<tr>
<td>Offset Bracket - 6 Inch #501-1561</td>
<td>Bracket Mounting Location</td>
</tr>
<tr>
<td>Required Tools</td>
<td>Prepping Offset Brackets for Mounting</td>
</tr>
<tr>
<td></td>
<td>Testing Mounted Offset Brackets for Proper Arm Spacing</td>
</tr>
<tr>
<td></td>
<td>Welding and Painting</td>
</tr>
</tbody>
</table>

2

3

4

6

7

8

9

10
PARTS & TOOLS
Offset Bracket - 4 Inch #501-1560

<table>
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<th>ITEM</th>
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<td>1</td>
<td>501-1560</td>
<td>EZ-Mount Pivot Offset Mount - 4”</td>
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WLH 09/30/20
Offset Bracket - 6 Inch #501-1561

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Required Tools

- Spray Paint
- Metal Grinder
- 9/16” Socket
- Power Drill (Optional)
- Level
- Tape Measure
- Impact Drill
- Dead Blow Hammer (Optional)
- Pencil or Marker
- Welding Equipment & Helmet
- 9/16” Open/Close Wrench

(Optional)
Installation Instructions
Offset Bracket - 4 & 6 Inch

Determining the Pivot Point

**Step 1:**
Measure from Point “A” to a point close to where you estimate the center to be. Record the measurement “D” and mark the box (Fig. 1).

**Step 2:**
Measure from Point “B” using the same measurement from Step 1 and mark it (Fig. 2).

**Step 3:**
Measure from the first mark “D” to second “E” at the same height, take 1/2 of that measurement and that will determine the pivot (Point C) (Fig. 3).

Measure from the back of the box to the pivot point. Transfer this measurement to the other side of the truck to establish the pivot point.

**CAUTION:** Some applications may require the pivot to be located above the lower edge of the body.
Bracket Mounting Location

**Step 4:** Once you’ve determined the pivot locations on the box, mark the box where the Offset Pivot will be welded (Y & Z). For 501-1560 (4” bracket), mark parallel lines 6-3/8” towards the “Y” and “Z” from the center of the pivot location “C” (Fig. 4A & B). For 501-1561 (6” bracket), mark parallel lines 7-9/16” towards the “Y” and “Z” from the center of the pivot location “C” (Fig. 5A & B).

**Fig. 4A**

![Diagram of 4" Offset Bracket Mounting Location]

**Fig. 4B**

![Diagram of Welding Points for 4" Bracket]

**Fig. 5A**

![Diagram of 6" Offset Bracket Mounting Location]

**Fig. 5B**

![Diagram of Welding Points for 6" Bracket]
Prepping Offset Brackets for Mounting

Step 5:
Grind the zinc plating 1/2" off the edges of the Offset Pivots (Fig. 6).

Grind the edges to remove Zinc plating!

Step 6:
Grind the paint/plating 1" off the trailer or truck body at positions “Y” and “Z” where the mounting position has been marked (Fig. 7).

Step 7:
Tack weld the offset bracket into place, making sure to use a level to verify that the pivot offset is level with the truck or trailer (Fig. 8A & B).
Installation Instructions

Offset Bracket - 4 & 6 Inch

Testing Mounted Offset Brackets for Proper Arm Spacing

Step 8:
Install manual pivots on both sides of body (Fig. 9A & B) and insert arms into pivot once mounted.

Fig. 9A

Fig. 9B

Insert arm into pivot.

Mount loosely to test arm spacing.

Step 9:
Rotate pivot to check to see if opening/closing binds the system (Fig. 10A, B & C). Make sure the arms have enough clearance from truck body before permanently welding the offset bracket.

Fig. 10A

Arms have enough clearance.

Fig. 10B

Arms have enough clearance.

Fig. 10C

Rotate fully.
Welding and Painting

Step 10: After removing the pivot and EZ-Mount, seam weld the outer edge and stitch weld the inside of the brackets to body (Fig. 11).

Step 11: Paint recommended on welds to prevent rusting (Fig. 12).

Step 12: Install EZ-Mount and then install desired pivot and secure (Fig. 13A & B).