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# Hitch Receivers

## Installation and Owner's Manual

(For Aftermarket Applications)

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| Hitch Receiver Aftermarket Kits |                                                     |
|---------------------------------|-----------------------------------------------------|
| Part #                          | Description                                         |
| 341633                          | 2" Accessory Hitch Receiver - 69"                   |
| 691020                          | 2" Accessory Hitch Receiver - 69" (offset receiver) |
| 430666                          | 2" Accessory Hitch Receiver - 72"                   |
| 799970                          | 2" Accessory Hitch Receiver - 72.5"                 |
| 328676                          | 2" Accessory Hitch Receiver - 75"                   |
| <a href="#">148945</a>          | Bike Rack Hitch Receiver - 65 5/16"                 |
| <a href="#">178684</a>          | Bike Rack Hitch Receiver - 68 5/8"                  |
| <a href="#">181674</a>          | Bike Rack Hitch Receiver - 79"                      |
| 240220                          | 1 1/4" Accessory Hitch Receiver - 68 3/8"           |
| 125851                          | Boat Hitch Receiver - 70 1/2"                       |
| <a href="#">168425</a>          | Boat Hitch Receiver - 72 1/2"                       |
| 344927                          | Boat Hitch Receiver - 73 1/2"                       |
| 273372                          | Boat Hitch Receiver - 74 1/2"                       |



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## Introduction

The following accessory hitch kits are designed to be installed only on trailers previously and specifically prepared for the installation. Installation of any hitch kit on trailers not previously prepared for the installation will result in voiding the warranties of the hitch and the frame.

Since there are multiple frames that can accommodate these bike rack hitch receivers, first determine that the frame is the right size (width) for the hitch that is being installed, and that the frame has a mounting bracket welded onto the frame that matches the type of hitch being installed.

**NOTE:** Some trailer and frame parts not shown for clarity.

Additional information about this product can be obtained from [lci1.com/support](http://lci1.com/support) or by using the myLCI app. Replacement components can be ordered from <https://store.lci1.com/> or by using the myLCI app.

The myLCI app is available for free on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users. iTunes®, iPhone® and iPad® are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

## Additional Information

### Maximum Load and Tongue Weight Ratings

**NOTE:** Always reference the label on the hitch receiver to verify the weight rating capacity.

- 2" Accessory Hitch Receiver  
Max Load Rating: 300 lbs (136 kg)
- Bike Rack Hitch Receiver  
Max Load Rating: 150 lbs (68 kg)
- 1 1/4" Bolt-On Hitch Receiver  
Max Load Rating: 150 lbs (68 kg)
- Boat Hitch Receiver (70 1/2", 72 1/2" & 73 1/2")  
Max Tongue Weight Rating: 300 lbs (136 kg)  
Max Towing Capacity 3,000 lbs (1,361 kg)
- Boat Hitch Receiver (74 1/2")  
Max Tongue Weight Rating: 350 lbs (159 kg)  
Max Towing Capacity 3,500 lbs (1,588 kg)

## Safety

Read and understand all instructions and observe all safety labels before performing any product installation.

### WARNING

THE "WARNING" SYMBOL ABOVE IS A SIGN THAT AN INSTALLATION PROCEDURE HAS A SAFETY RISK INVOLVED AND MAY CAUSE DEATH OR SERIOUS INJURY IF NOT PERFORMED SAFELY AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

### WARNING

DO NOT EXCEED THE MAXIMUM LOAD OR TONGUE WEIGHT RATING OF ANY HITCH KIT. EXCEEDING MAXIMUM LOAD OR WEIGHT RATINGS CAN CREATE A HAZARDOUS CONDITION THAT MAY RESULT IN POSSIBLE DEATH, SERIOUS PERSONAL INJURY OR SEVERE PRODUCT AND/OR PROPERTY DAMAGE, INCLUDING VOIDING OF THE WARRANTY.

### WARNING

DO NOT USE AN ACCESSORY HITCH KIT THAT IS NOT DESIGNED FOR TOWING, TO TOW ANY TRAILER OR OTHER VEHICLE. USE OF A HITCH KIT NOT DESIGNED FOR TOWING CAN CREATE AN UNSTABLE CONDITION RESULTING IN POSSIBLE DEATH, SERIOUS PERSONAL INJURY OR SEVERE PRODUCT AND/OR PROPERTY DAMAGE, INCLUDING VOIDING OF THE WARRANTY.

### WARNING

FAILURE TO REMOVE FLAMMABLE OBJECTS, OBSTRUCTIONS OR ADDITIONAL COMPONENTS PRIOR TO A WELDING OPERATION MAY CREATE A HAZARDOUS CONDITION THAT COULD RESULT IN POSSIBLE DEATH, SERIOUS PERSONAL INJURY OR SEVERE PRODUCT OR PROPERTY DAMAGE.

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### ⚠ CAUTION

ALWAYS WEAR EYE PROTECTION WHEN PERFORMING THIS INSTALLATION PROCEDURE. OTHER SAFETY EQUIPMENT TO CONSIDER WOULD BE HEARING PROTECTION, GLOVES, AND POSSIBLY A FULL FACE SHIELD, DEPENDING ON THE NATURE OF THE INSTALLATION PROCEDURE.

### ⚠ CAUTION

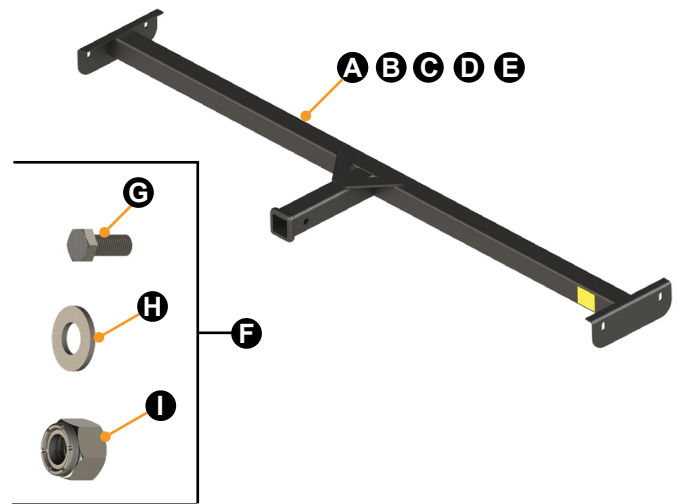
MOVING PARTS CAN PINCH, CRUSH OR CUT. KEEP CLEAR AND USE CAUTION.

## Resources Required

- 1-2 people, depending on task
- Measuring tape
- Jack stands
- Floor jacks
- Welder
- Adjustable wrench
- Torque wrench
- Ratchet
- 5/16" socket
- 1/2" socket
- 7/8" socket
- Grease pencil
- Spray paint (to match frame's color and finish)

## Installation

### 2" Accessory Hitch Receiver Parts List



| Letter | Part # | Description                                        | Qty |
|--------|--------|----------------------------------------------------|-----|
| A      | 341633 | 2" Accessory Hitch - 69"                           | 1   |
| B      | 691020 | 2" Accessory Hitch - 69"<br>(with offset receiver) | 1   |
| C      | 430666 | 2" Accessory Hitch - 72"                           | 1   |
| D      | 799970 | 2" Accessory Hitch - 72.5"                         | 1   |
| E      | 328676 | 2" Accessory Hitch - 75"                           | 1   |
| F      | 730348 | Hardware Kit                                       | 1   |
| G      | 131621 | 1/2" - 13 x 1 1/2" hex tap bolt,<br>GR5 ZN         | 4   |
| H      | 135855 | 1/2" flat washer, SAE                              | 8   |
| I      | 118045 | 1/2" - 13 nylon locking nut                        | 4   |

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### Assembly Instructions

1. Locate one of the accessory hitch mounting brackets at the rear of the trailer frame (Fig.1).

2. Position the accessory hitch so that the mounting holes on the hitch are aligned with the holes in the mounting bracket on the frame (Fig.1). As needed, use a jack stand or an additional person to assist in aligning mounting bracket holes.

**NOTE:** The receiver (Fig.1) of the accessory hitch should be facing the rear of the trailer.

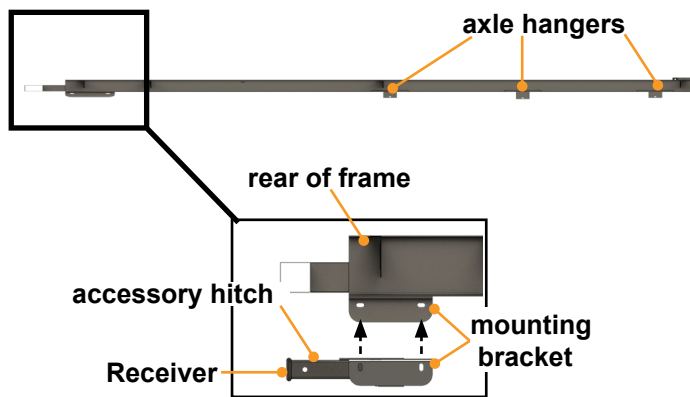


Fig.1

3. Place one 1/2" flat washer (Fig.2A) onto a 1/2" - 13 x 1 1/2" hex bolt (Fig.2B).

4. Starting from the outside of the frame, insert the hex bolt assembly through a frame mounting bracket hole and through its mating hitch mounting bracket hole.

5. Place another 1/2" flat washer (Fig.2A) onto the 1/2" hex bolt, then thread a 1/2" - 13 nylon locking nut (Fig.2C) onto the hex bolt to secure the mounting brackets.

6. Repeat steps 3-5 for the other mounting bracket hole.

7. Align frame and hitch mounting brackets, then tighten the 1/2" nylon locking nuts with a 7/8" wrench. Torque nuts 85-90 ft-lbs to secure assembly.

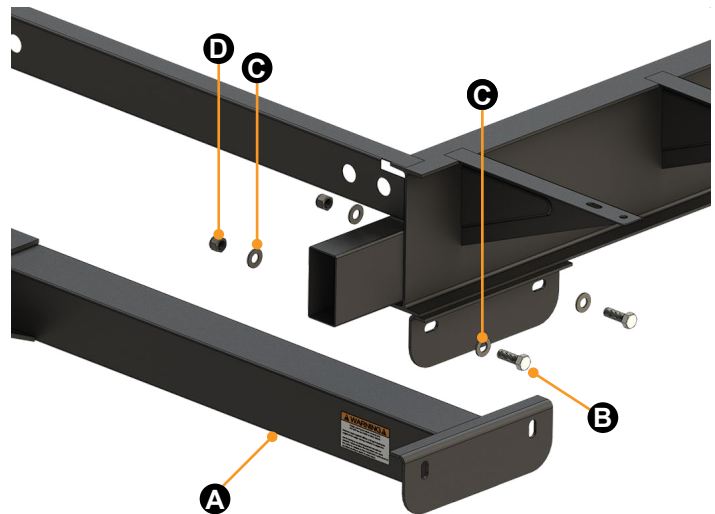


Fig.2

8. Repeat steps 1-7 for the mounting brackets on the other side.

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### Bike Rack/Accessory Hitch Receiver Parts List

| Letter | Part #                 | Description                               | Qty |
|--------|------------------------|-------------------------------------------|-----|
| A      | <a href="#">148945</a> | Bike Rack Hitch Receiver - 65 5/16"       | 1   |
| B      | <a href="#">178684</a> | Bike Rack Hitch Receiver - 68 5/8"        | 1   |
| C      | 240220                 | 1 1/4" Accessory Hitch Receiver - 68 3/8" | 1   |
| D      | <a href="#">181674</a> | Bike Rack Hitch Receiver - 79"            | 1   |
| E      | —                      | 3/8"- 16 x 1" hex bolt, tap GR5 Zn        | 8   |
| F      | —                      | 3/8" flat washer, SAE                     | 16  |
| G      | —                      | 3/8"- 16 nylon locking nut                | 8   |

### Assembly Instructions

1. Locate one of the accessory hitch mounting brackets at the rear of the trailer frame.

2. Position the accessory hitch so that the mounting holes on the hitch are aligned with the holes in the mounting bracket on the frame. Use a jack stand or an additional person to assist in aligning mounting bracket holes.

**NOTE:** The receiver of the accessory hitch should be facing the rear of the trailer.

3. Place one 3/8" flat washer onto a 3/8" - 16 x 1" hex bolt.

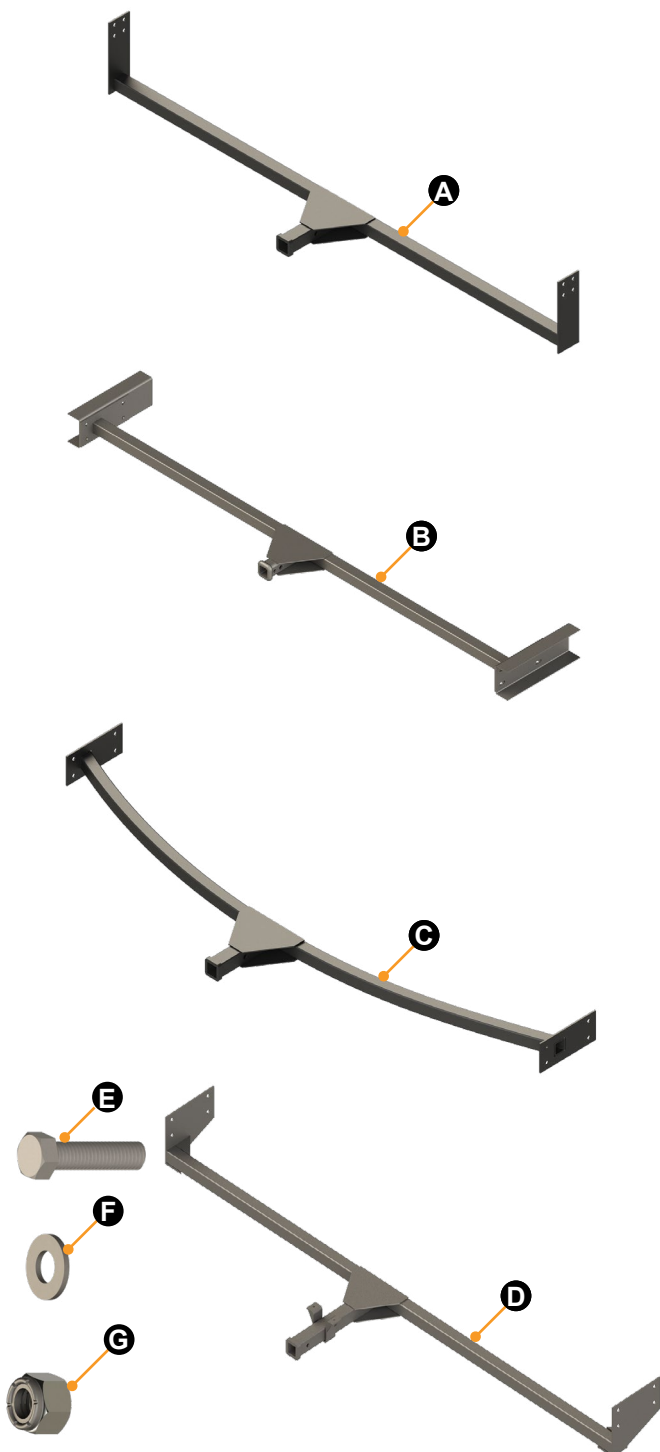
4. Starting from the outside of the frame, insert the bolt assembly through a frame mounting bracket hole and through its mating hitch mounting bracket hole.

5. Place another 3/8" flat washer onto a 3/8" - 16 x 1" hex bolt, then thread a 3/8" - 16 nylon locking nut onto the hex bolt to secure the mounting brackets.

6. Repeat steps 3-5 for the other mounting bracket hole.

7. Align frame and hitch mounting brackets, then tighten the 3/8" - 16 nylon locking nuts with a 3/16" wrench. Torque nuts 85-90 ft-lbs to secure assembly.

8. Repeat steps 1-7 for mounting brackets on other side.

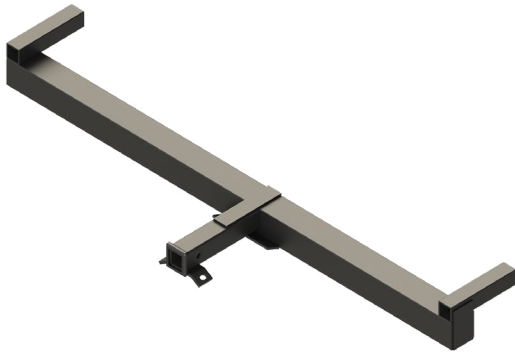


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### Boat Hitch Receiver Parts List



| Part #                 | Description                   |
|------------------------|-------------------------------|
| 125851                 | Boat Hitch Receiver - 70 1/2" |
| <a href="#">168425</a> | Boat Hitch Receiver - 72 1/2" |
| 344927                 | Boat Hitch Receiver - 73 1/2" |



| Part # | Description                   |
|--------|-------------------------------|
| 273372 | Boat Hitch Receiver - 74 1/2" |

### Assembly Instructions

**NOTE:** Red/black lines refer to using a welder to add frame components per instructions and image references.

1. With the assistance of jack stands or another person, move the hitch receiver into place.
2. Weld the top of the hitch receiver's attachment tube to the underside of the frame's I-beam (**Fig.5**). Repeat weld on the other side of the attachment tube.

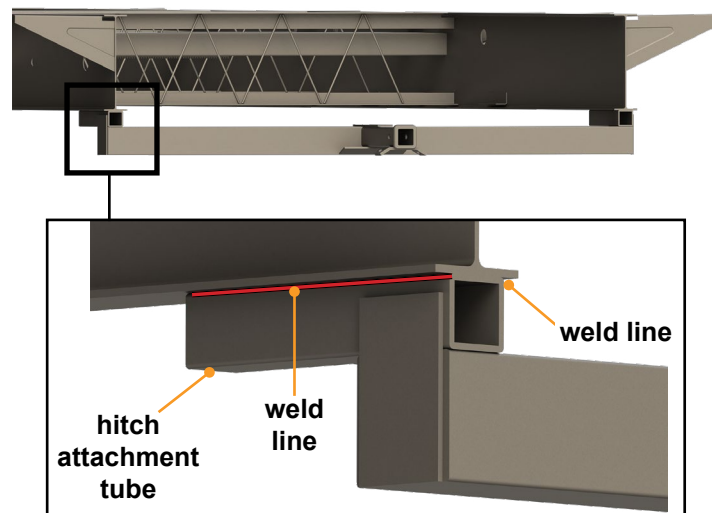


Fig.3

3. Repeat step 2 on other end of hitch receiver.
4. After the welds have cooled, clean and spray paint the weld areas.



## Notes

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Follow proper safety practices. If in doubt, consult a professional RV technician.