



**ecoHITCH** Designed Specifically For Your Green Vehicle

# Installation Instructions

Subaru WRX  
X6008S

Weight Rating

Tongue Weight: 525lbs

Trailer Weight: 3500lbs

Torklift Central  
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Kent, WA 98032  
253-854-1832

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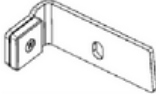

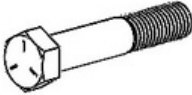











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# Parts Inventory

| Description                            | Image  | Item #     | Qty. |
|--|--|------------|------|
| Receiver Hitch                         |  | X6008S-A1  | 1    |
| Insert Adapter                         |  | XA3023S-W1 | 1    |
| Magnetic Bracket                       |   | X6008S-A2  | 1    |
| Spacer                                 |   | X6008S-P5  | 1    |
| 5/8"-11 x 3-1/2"<br>Grade 5 Hex Bolt   |  | 11185      | 1    |
| 5/8" Split Lock<br>Washer              |                             | 6023       | 1    |
| 5/8" SAE Flat<br>Washer                |                               | 9717       | 1    |
| 3/8" USS Flat<br>Washer                |                               | 6001       | 4    |
| M10 Split Lock<br>Washer               |    | 12009      | 4    |
| M10-1.25 x 40mm<br>Class 10.9 Hex Bolt |   | 12008      | 4    |
| 1/4" Split Lock<br>Washer              |                           | 3457       | 1    |
| 1/4"-20 Grade 5 Hex<br>Washer          |                | 3304       | 1    |
| Nut                                    |   | 3458       | 1    |
| 1/4"-20 x 1" Eye<br>Bolt               |                     | 1204       | 1    |

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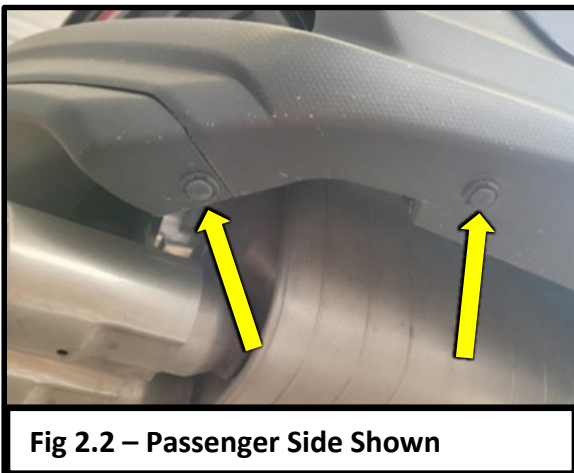
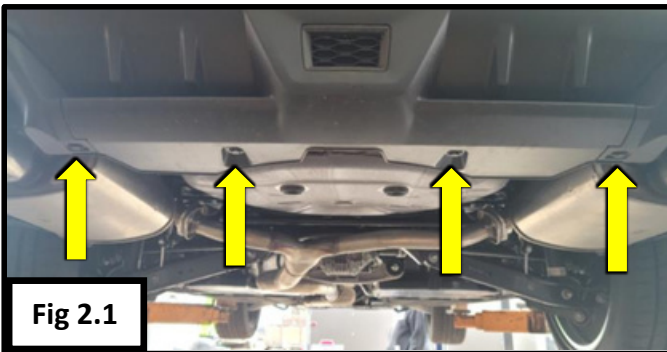
# Step 1:

- Set the parking brake.
- It is not necessary to lift the rear of the vehicle off the ground for this installation. If you choose to do so, chock the front tires and use appropriate jacks to support the vehicle.

Note: If using a hoist/lift, utilize the Subaru approved lifting points.

# Step 2:

- Use a flathead screwdriver or a trim removal tool to remove the 10 clips located at the bottom of the bumper. See Fig 2.1, 2.2, and 2.3.



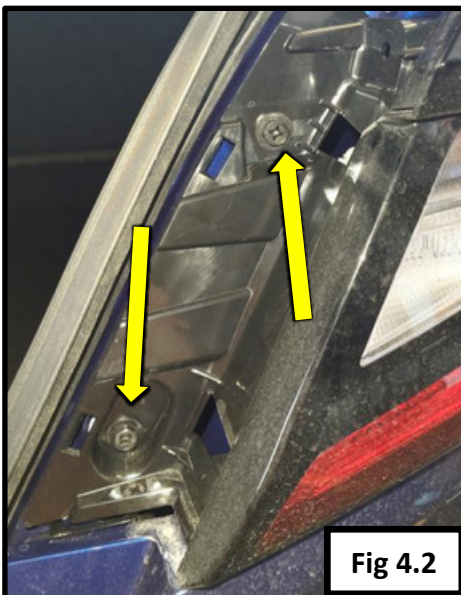
## Step 3:

- Remove the two push clips on the rearward edge of the wheel well arch trim. The push clips can be removed by first pushing the center of the clip in. See Fig 3.1. Repeat on the opposite side.
- After removing the push clips, pull the wheel well arch trim back to expose a screw. Remove the screw on both sides of the vehicle. See figure 5.2.



## Step 4:

- Open the trunk. Use a screwdriver or trim removal tool to rotate and remove the two clips (one per side) at the top inside corner of the taillights. See Fig 4.1.
- Use a trim removal tool to remove the taillight covers to expose two more screws per side. Remove the screws. See Figure 4.2



- Pull the taillights out and away from the vehicle. Disconnect the taillight harness. Store the lights in a safe location.

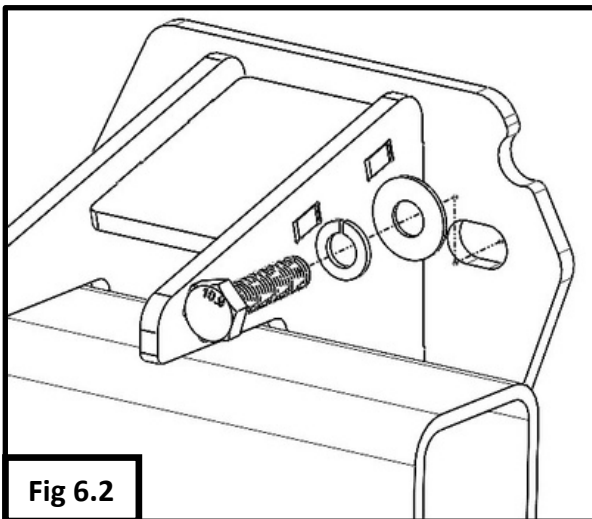
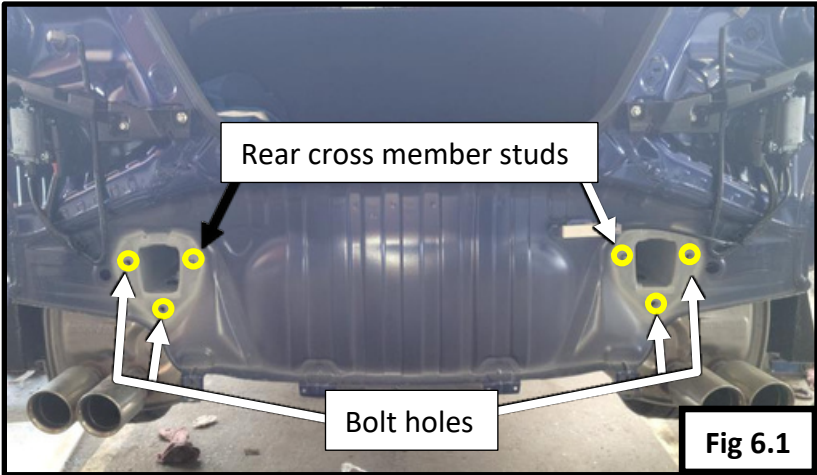
## Step 5:

To avoid damage to the bumper cover, this step is best accomplished with help from a second person.

- Starting from the outside and working towards the middle, carefully pry the bumper cover away from the vehicle to unsnap the clips holding it in place.
  - Once removed, store the bumper cover in a safe location
- Remove the two nuts and four bolts attaching the rear cross member to the vehicle.

## Step 6:

- Place the receiver hitch over the rear cross member studs. Loosely secure the receiver hitch in place with the factory nuts. See Fig 6.1.
- Loosely install one M10-1.25 x 40mm bolt with one 3/8" flat washer and one M10 split lock washer into each of the four remaining holes. See Figure 6.2.
- Center the receiver hitch on the vehicle, then torque all fasteners to 40 ft-lbs (54Nm).



## Step 7:

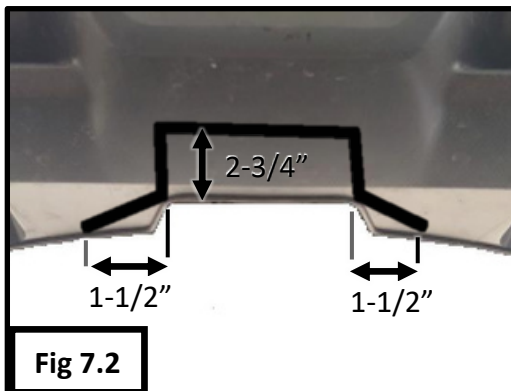
The bumper cover will need to be trimmed to create clearance for the receiver hitch and insert adapter.

- Remove the rear knockout panel from the center of the bumper cover. It will be reused in a later step.
  - From the back side of the bumper cover, use a reciprocating body saw or other method to trim the knockout panel hole as shown in Figure 7.1. Align the cut with the jog in the plastic on both sides. The middle of the cut should be aligned with the rectangular holes.



**Fig 7.1 – back side of bumper**

- On the bottom center section of the bumper, use a reciprocating body saw or other method to trim the bumper cover as shown in Figure 7.2.



**Fig 7.2**

## Step 8:

- Drill a 1/4" hole in the knockout panel at the location shown in Figure 8.1

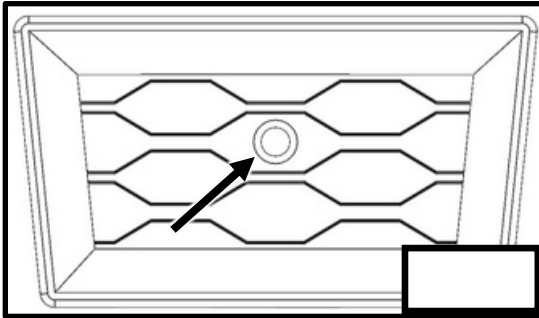
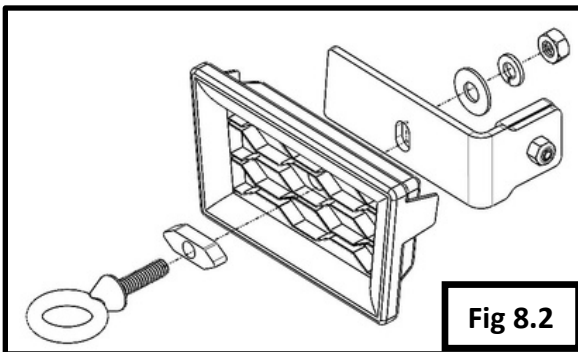


Fig 8.1

- Insert the 1/4"-20 x 1" eye bolt through the spacer, knockout panel, and magnetic bracket as shown in Figure 8.2. Secure the eye bolt with one 1/4" flat washer, one 1/4" split lock washer and a 1/4"-20 hex nut. Do not over tighten.



- When the insert adapter is not installed in the receiver hitch, the knockout panel can be placed in the bumper for a clean look. The magnet will hold the knockout panel in place. Knockout panel Cannot fit into the opening when the insert adapter is installed.

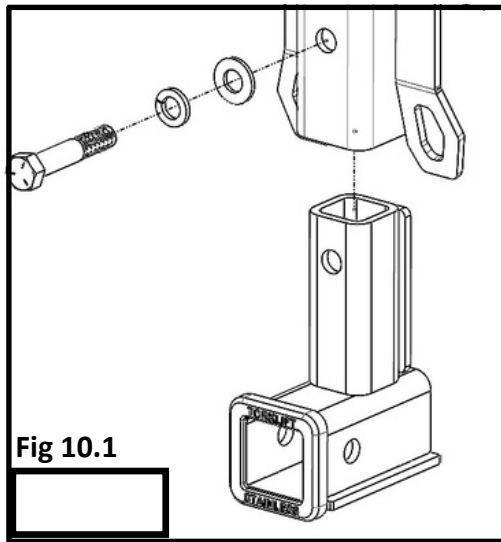


## Step 9:

- Starting on each end and working towards the middle, snap the bumper cover back into place. Make sure the tabs are properly aligned before pressing the bumper into place.
- Once the bumper cover is in place, reinstall all remaining hardware and the taillights.

## Step 10:

- Slide the insert adapter into the vertical receiver in the receiver hitch.
- Use a 5/8" -11 x 3-1/2" hex bolt, a 5/8" flat washer and a 5/8" split lock washer to secure the insert adapter in place. The hole in the receiver tube can be accessed through the knockout panel hole. See Figure 10.1
- Torque the bolt to 112 ft-lbs (152 Nm) before each use.



**Installation is complete!**

# WARRANTY/DISCLAIMER INFORMATION

Torklift Central requires proof of purchase for warranty claim registration, with pictures of any defective product before issuing a replacement. Torklift will not accept claims on any product without proof of purchase, which can be faxed, scanned, emailed or mailed to the information provided below. Torklift Central warrants its hitches, custom hitch receivers and accessories (excluding electrical wire harnesses which carry a warranty from their specified manufacturer) from date of purchase against defects in material and workmanship under normal use and service for the ownership life of the original consumer purchaser. Torklift Central will replace free of charge any part that proves defective in material or workmanship when presented to Torklift Central, transportation charges prepaid by purchaser, at the address below.

This warranty is limited to defective parts replacement only. Labor charges and/or damage incurred in installation or replacement, as well as incidental and consequential damages connected therewith are excluded.

This warranty does not include normal wear and tear or the finish and paint. Rusting, cracking or peeling of the finish is also excluded. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Any damage to Torklift Central products as a result of misuse, abuse, neglect, accident, improper installation or any use violative of instructions furnished by Torklift Central will void the warranty. This warranty gives you specific legal rights and you may also have rights, which vary from state to state. With warranty service, you may be able to go to a small claims court, a state court or a federal district court.

Although Torklift Central trailer hitches are both tested and rated for towing within the specific capacity label found on each trailer hitch. Torklift Central assumes no liability for vehicle manufacturers warranty due to the use of a Torklift Central trailer hitch being used for towing behind any vehicle or using the trailer hitch in a manner that it was not designed for. Although this specific trailer hitch has a load rating, which includes trailer tongue weight, and a trailer weight carrying capacity, Torklift Central is not responsible for the voiding of any warranty on any vehicle due to factory towing limitations. All vehicle warranties are the sole property and responsibility of the owner of the vehicle that the Torklift Central trailer hitch is installed upon. Torklift Central does not endorse towing behind any vehicle if the vehicles manufacturer states that towing is not recommended. Check your vehicle's owner's manual for the proper tow rating of your vehicle.

**ADDRESS:**

315 Central Ave N. Kent, WA 98032

**\*WARNING\***

Your vehicle may have a lower tow rating than this trailer hitch. If your vehicle's tow rating is less than the rated towing capacity on your Torklift Central trailer hitch, your trailer hitch capacity is limited to your vehicle's factory rated towing capacity.

**\*DANGER\*** Never exceed your vehicle's

manufacturer's recommended towing capacity

which may be a lower rating than this

trailer hitch