

ecoHITCH -Designed Specifically For Your **Green Vehicle**

Installation Instructions

Application Fits

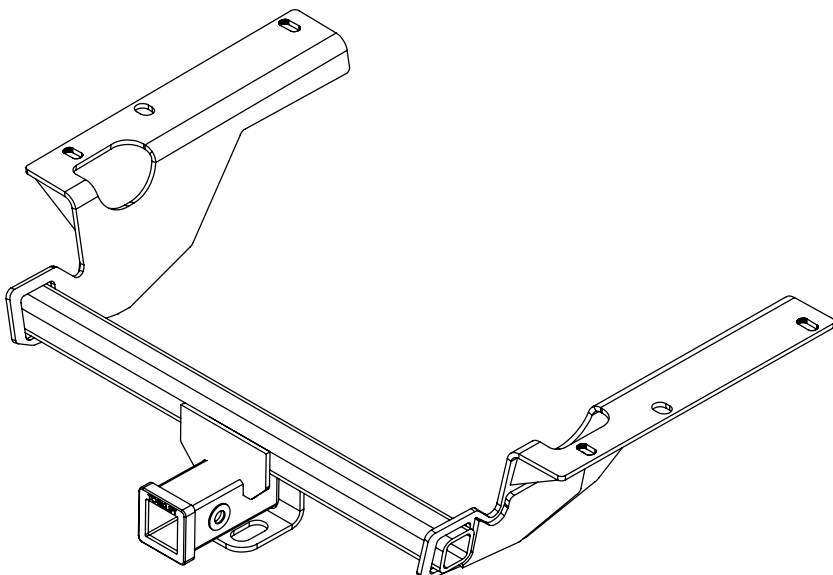
2010-2014 Subaru Outback Wagon
X7162 & X7170

350 lbs Tongue Weight/3,500 lbs Weight Carrying
2" & 1.25" EcoHitch Stealth

THERE ARE **TWO VERSIONS** INCLUDED FOR INSTALLATION.

VERSION 1:REQUIRES BUMPER REMOVAL. **Start On Page 2.**

VERSION 2: REQUIRES HOLE ENLARGEMENT. **Start On Page 6.**



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Torklift Central
315 Central Ave N
Kent, WA 98032
253-854-1832
www.torkliftcentral.com
support@tlcentral.com



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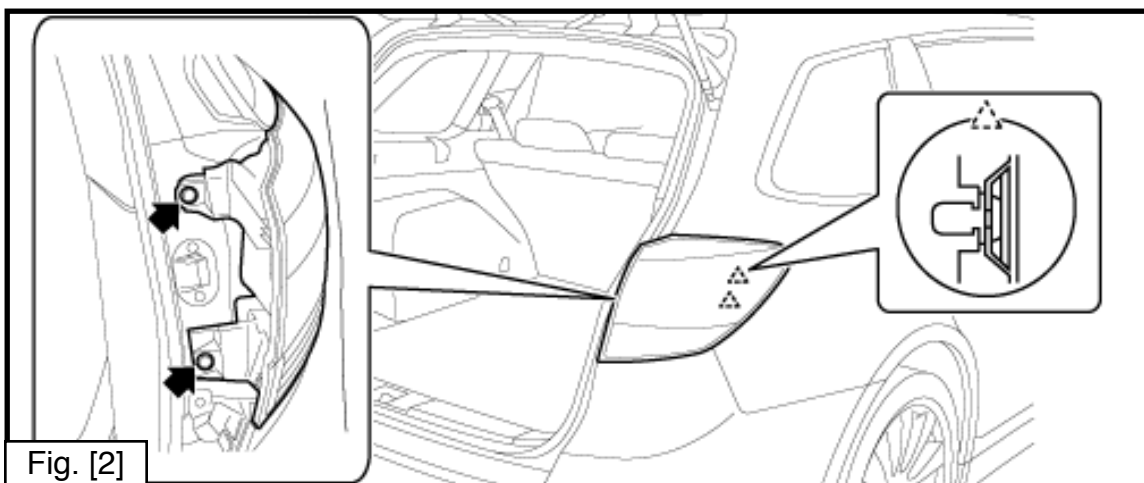
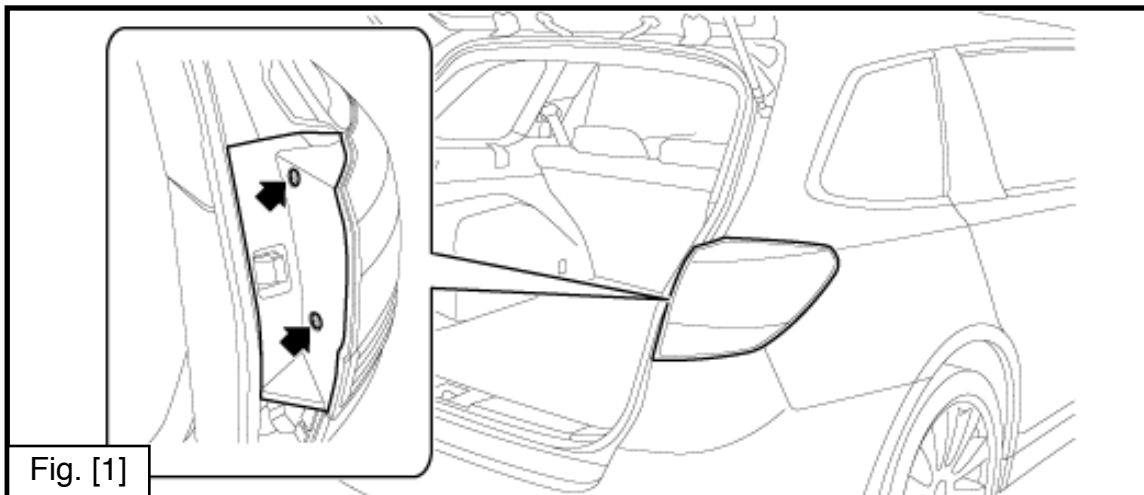


QTY	Fastener
4	1/2" Flat Washer
4	1/2" Internal Star Lock Washer
4	1/2" Grade 5 Serrated Nut
4	1/2"-13x2" Grade 5 Hex Bolts
4	1/2"Dx1"x2" Plate Washer
1	1/2" Bolt Fisher

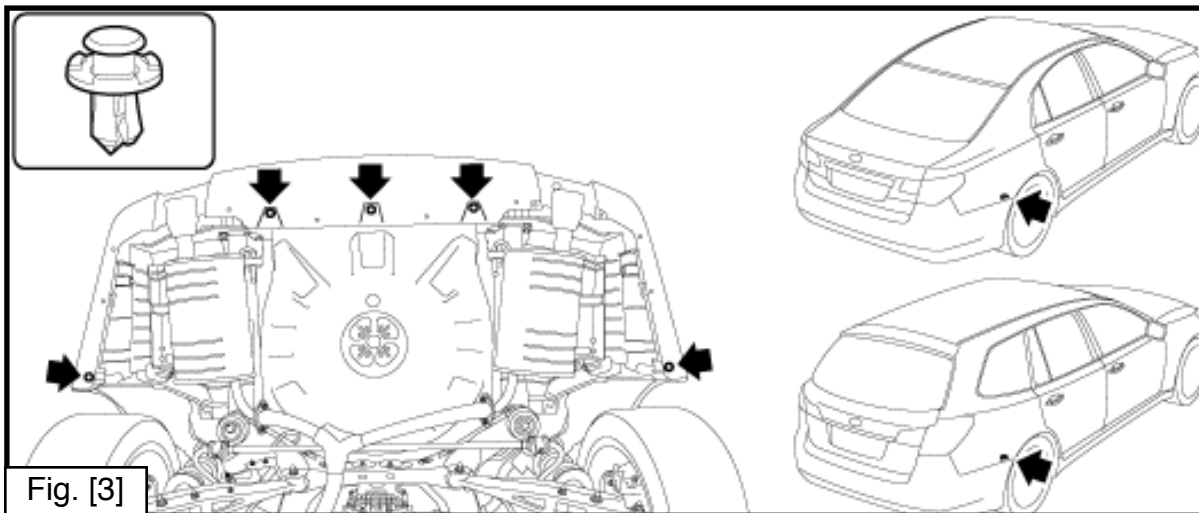
Version 1: BUMPER REMOVAL METHOD

READ THESE INSTRUCTIONS THOROUGHLY AND ACCOUNT FOR ALL HARDWARE LISTED BEFORE BEGINNING INSTALLATION!

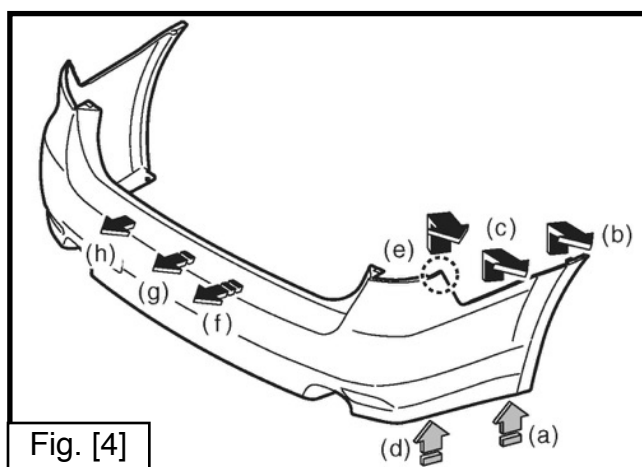
Step 1. Remove rear taillight assemblies by removing the clips shown in Figure [1]. Remove the bolts that secure the taillight assembly to the vehicle, gently slide the assembly rearward and finally disconnect the wire connector to detach assembly from vehicle. See Figure [1] & [2].



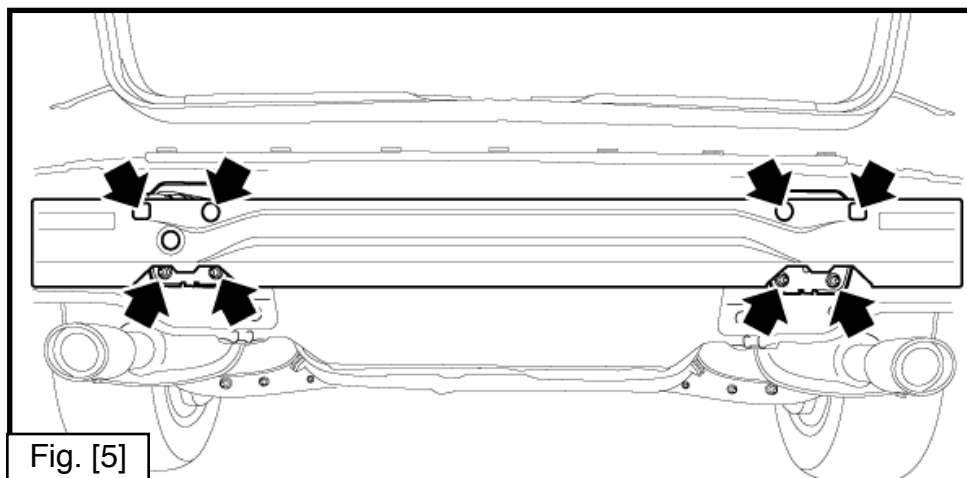
Step 2. Remove the (5) push pin clips along the underside of the bumper fascia and the (2) clips located in the wheel wells. Bend the center metal push pin tab backwards to allow room for the hitch to sit.



Step 3. Gently peel back the bumper fascia starting at the passenger side wheel well working your way around to the back and finally to the driver side. **DO NOT USE EXCESSIVE FORCE.** Non-warranted damage may occur. See Figure [4].



Step 4. Remove the rear bumper beam assembly by removing the energy absorber foam. Remove the nuts and remove the rear bumper beam assembly from the vehicle body.



Step 5. Lower the exhaust by removing the three rear-most rubber exhaust bungs from the frame mounted hangers, using a lubricant such as WD-40 or equivalent to ease removal.

NOTE: DO NOT LET EXHAUST HANG FREELY. SUPPORT WITH A STAND TO AVOID DAMAGE. SEE FIGURE [6] & [7]. For dual-exhaust systems apply step on both sides.

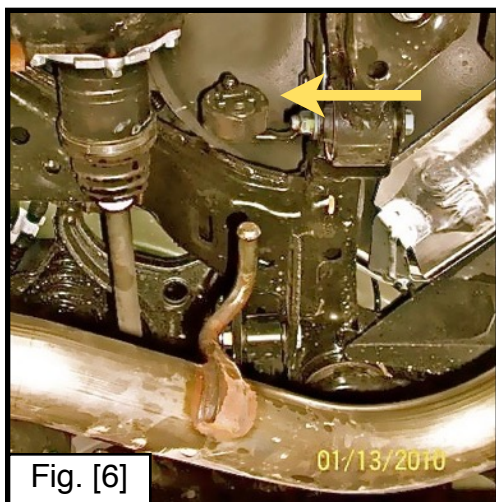


Fig. [6]

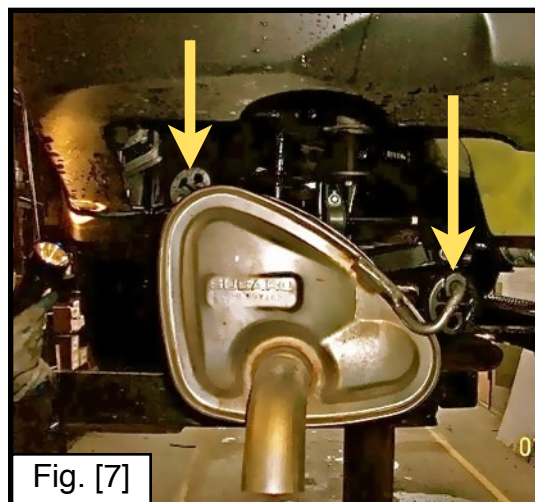


Fig. [7]

Step 6. Remove the exhaust heat shields and trim as shown in Figure [8] & [9] to allow bolts to pass through the frame rails.

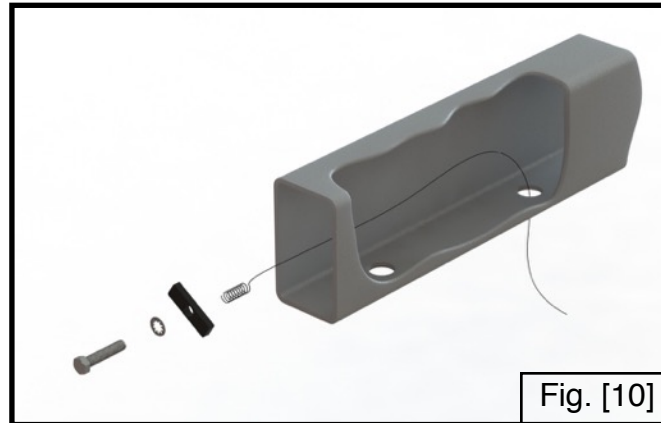


Fig. [8]



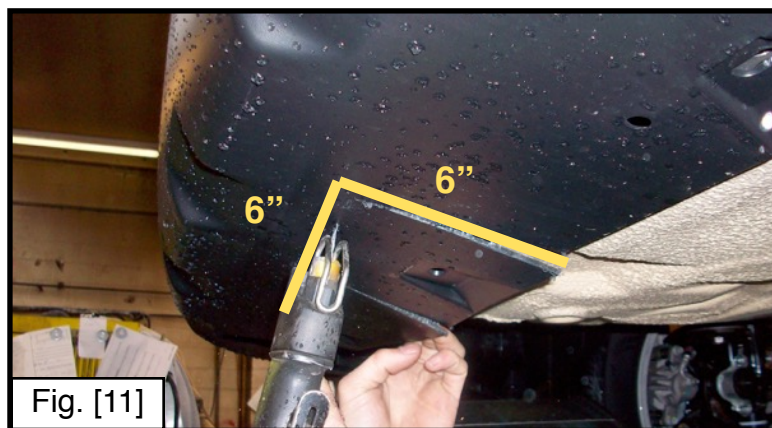
Fig. [9]

Step 7. Remove the (4) rubber plugs in the frame rails on the underside of the vehicle and discard. Take the coil end of the bolt fisher and feed it through the forward most hole of the vehicle and out the opening of the frame rail at the rear. Attach (1) 1/2"x2" bolt, (1) 1/2" internal star lock washer, and (1) 1x2 plate washer, to the end of the coil and pull the wire and assembled hardware into position. Repeat process for remaining frame rail holes. See Figure [10].



Step 8. Reinstall the heat shields. Carefully raise the hitch into position onto the hanging bolts as to not push the hardware back into the frame rail. Once the hitch is in position, secure with (1) 1/2" flat washer and (1) 1/2" flange nut.

Step 9. Mark a 6"x6" square at the center push pin hole location of the bumper fascia and use an air saw or utility knife to trim. See Figure [11].



Step 10. Reinstall impact bar torquing factory nuts to 55 ft-lbs. Reinstall bumper fascia by following these steps in reverse starting at Step 3. Once all pieces have been put back in place, center the receiver on the vehicle and torque all 1/2" hardware to 75 ft-lbs.

Step 11. With hitch secured and all body pieces back in place, reinstall the exhaust bungs, re-lubricating them to help reinstallation.

Congratulations on the completed installation of the Subaru Outback Stealth EcoHitch! It is designed with a lifetime warranty for a lifetime of enjoyment. If you have any questions or suggestions please contact our tech support at support@tlcentral.com or by phone at 253 854-1832.

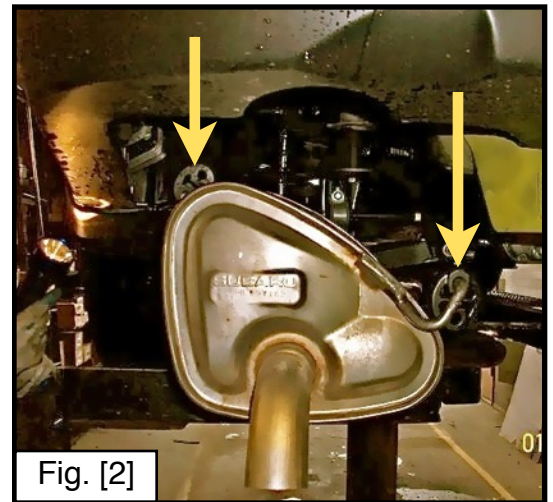
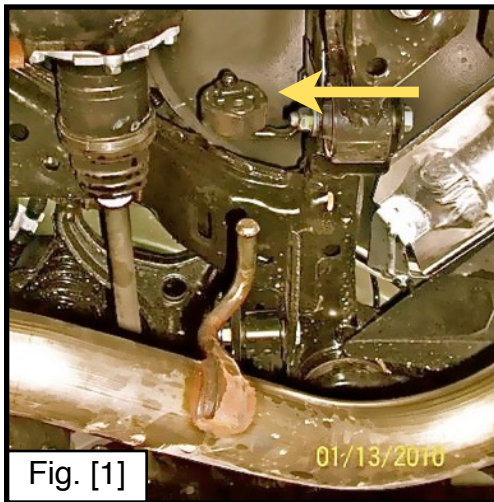
Version 2: HOLE ENLARGEMENT METHOD

READ THESE INSTRUCTIONS THOROUGHLY AND ACCOUNT FOR ALL HARDWARE LISTED BEFORE BEGINNING INSTALLATION!

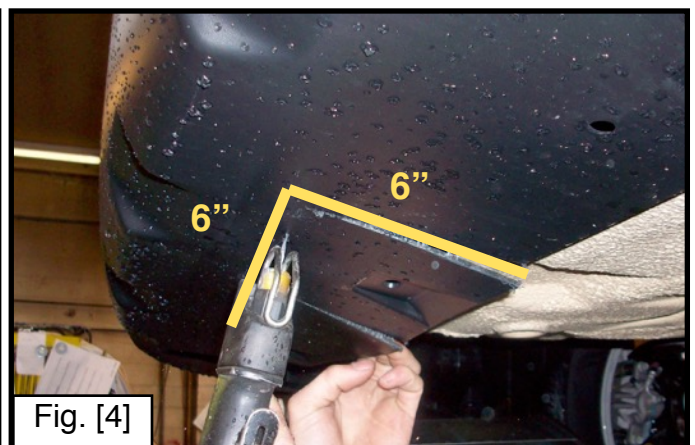
Step 1. Raise rear of vehicle off of ground and place on ramps or suitable jack stands.

Step 2. Lower the exhaust by removing the three rear-most rubber exhaust bungs from the frame mounted hangers, using a lubricant such as WD-40 or equivalent to ease removal.

NOTE: DO NOT LET EXHAUST HANG FREELY. SUPPORT WITH A STAND TO AVOID DAMAGE. SEE FIGURE [1] & [2]. For dual-exhaust systems apply step on both sides.



Step 3. Remove (3) push pin clips from lower bumper fascia and cut a 6x6" square as shown in Figure [3] & [4]. This will allow the hitch to sit close to the bumper and ease installation.



Step 4. Bend the center metal bumper fascia tab backwards to allow room for the hitch to sit. See Figure [5].



Fig. [5]

Step 5. Remove the exhaust heat shields and trim using tin snips or other suitable tools as shown in Figure [6] & [7] to allow bolts to pass through the frame rails.



Fig. [6]



Fig. [7]

Step 6. Open the hatch and remove the interior cargo tray from the rear. Gently remove the styrofoam trays that are held in place with clips. These clips will disconnect with slight tension in an upwards motion.

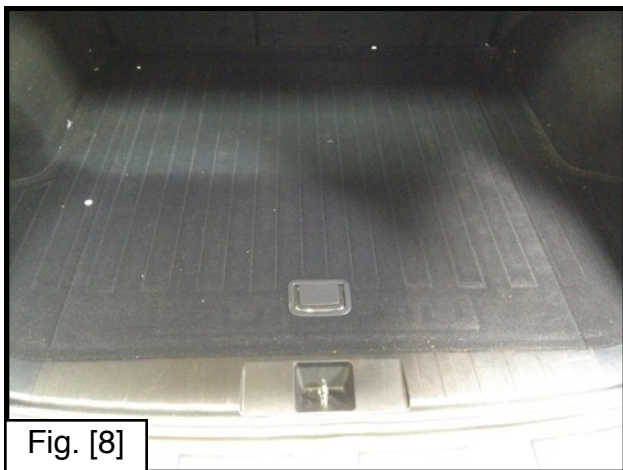


Fig. [8]

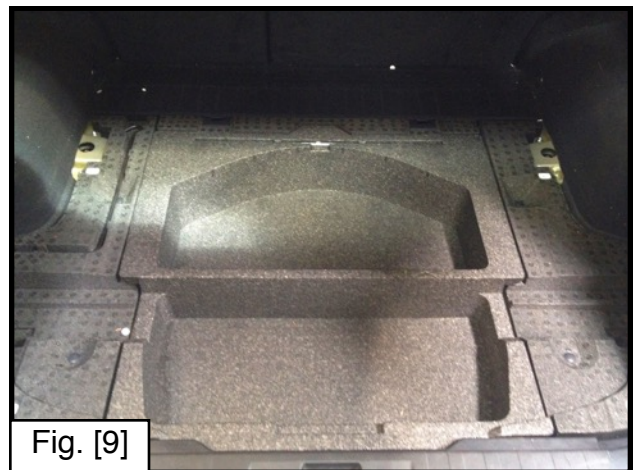
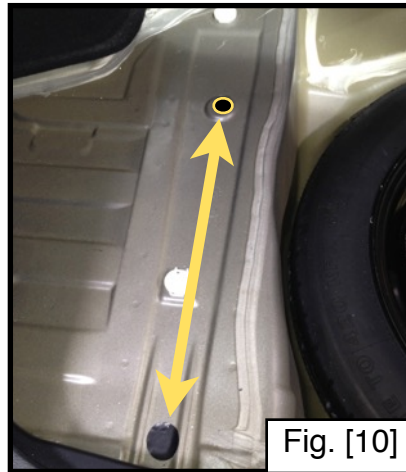
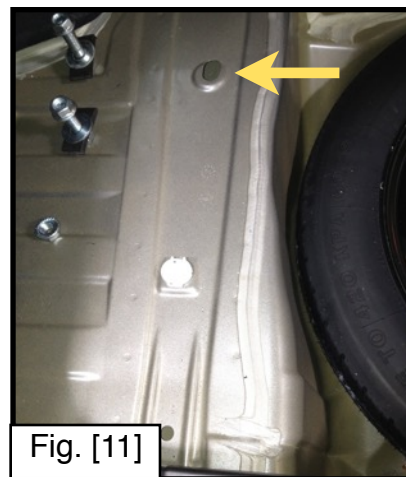


Fig. [9]

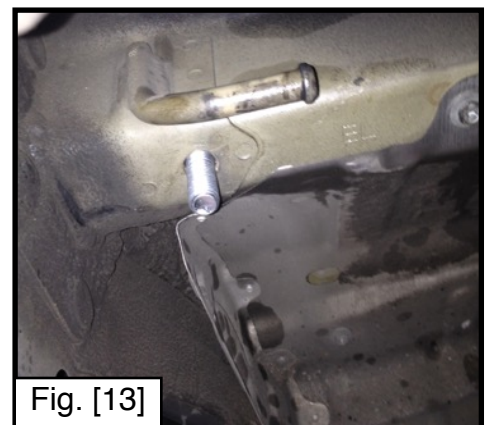
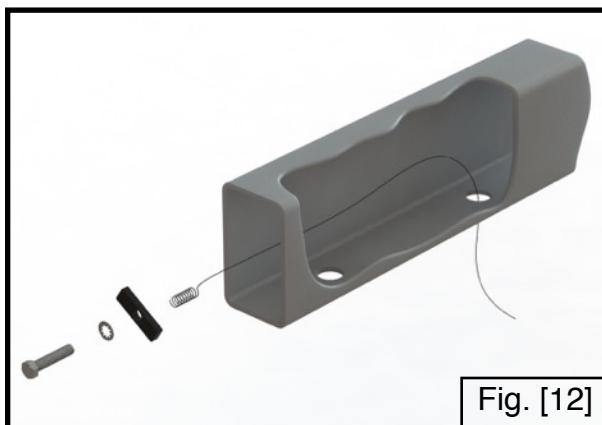
Step 7. Locate and remove (2) black plastic stickers on each side of the spare tire compartment. You can use duct tape or electrical tape to cover the holes if the stickers cannot be re-used during reinstallation.



Step 8. Using a dremmel tool or tin snips, create a small notch in the forward most hole large enough for the 1x2 plate washer to pass through. Repeat on opposite side. See Figure [11].



Step 9. From the underside of the vehicle, feed the coil end of the bolt fisher into the rear most exposed hole and up through the notched hole in the trunk. Attach (1) 1/2"x2" bolt, (1) 1/2" internal star lock washer, (1) 1x2 plate washer, to the coil end of the bolt fisher and pull into position in the underside frame rail. Repeat process on all remaining holes. See Figure [12] & [13].



Step 10. Gently pull down the bumper fascia and raise the hitch into position behind the bumper fascia with the 1/2" bolts feeding through the hitch frame plates. Be careful not to push the 1/2" hardware back up into the frame rail. With the hitch in position, secure all bolts with (1) 1/2" flat washer and (1) 1/2" flange nut. Be sure that the hitch is centered on the vehicle and then torque all hardware to 75 ft-lbs.
NOTE: It may be helpful to have an assistant help raise the hitch into position in this step.



Driver Side



Passenger Side

Step 10. Reinstall the exhaust hanger bungs, the (2) push pin clips on either side of the hitch receiver, and the cargo trays and liners.

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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.

FOR EXAMPLE: the label on your Torklift Central trailer hitch states it's capacity is rated for 500 pounds tongue weight and 5,000 pounds towing weight. However your vehicle's factory rated towing capacity is limited to only 350 pounds tongue weight and 3,500 pounds towing weight. In this example your maximum towing capacity of your Torklift Central trailer hitch is limited to 350 pounds tongue weight and 3,500 pounds towing weight as stated by your vehicle's maximum factory tow rating.

DANGER Never exceed your vehicle's manufacturer's recommended towing capacity which may be a lower rating than this trailer hitch

Unsure of your tow rating? Download our towing app from the app store to find your vehicles tow rating.
www.torkliftcentral.com/app.php