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2012-2015 Toyota Tacoma Front Winch Bumper w/ Brush Guard & D-Ring Mounts P/N 4535

Kit Contents:

Item	Qty	Item	Qty
Winch Bumper with Brush Guard	1	½" x 5" Hex Bolts	4
Lower Brush Guard Cross Tube	1	½" 2-Way Lock Nuts	4
Factory Fog Light Bucket Set (P/N 4500-4)	1	½" USS Flat Washers	8
3/8" x 1" Stainless Button Head Screw	2	Spacing Washers	12
3/8" Stainless Steel Washers	2		

IMPORTANT INSTALLATION NOTE: The installation procedure for early model (05-11) and late model Toyota Tacoma (12-15) is very similar. Some of the images and diagrams outlined in this instruction procedure are from an early model Tacoma for illustrative purposes.

Bumper Installation Instructions:

1. First, you will need to completely remove your factory front bumper and radiator grill. Start by disconnecting the cable from the negative battery terminal.
2. Remove the two screws securing the top center of the radiator grill. See **Figure 1** at right.
3. Using a clip remover or a flat head screwdriver, carefully remove the 2 clips on the top outer corners of the radiator grill. See **Figure 1** at right. Gently pry up on the center button of the clip to release.
4. Release the lower corners and center grill clips (3 clips total) from the lower back side of the grill (radiator side) near the junction of the plastic bumper cover and the bottom of the grill. These clips release in the same fashion as the top two clips. The location of the lower corner clips are indicated by a dotted triangle in **Figure 1**. The third clip is between the two corners at the centerline of the vehicle.
5. With the radiator grill fasteners removed, proceed by removing the bumper cover hardware. You will be removing the bumper cover and the radiator grill together as a single assembly.
6. Next, prepare to remove the front bumper cover. Start by applying some protective tape to the outer circumference of the front bumper cover as shown in **Figure 2** at right.
7. Remove 8 screws shown in **Figure 2** (6 along the bottom edge of the bumper cover, and 1 in each wheel well inside a "D" shape opening).
8. Carefully remove the two remaining clips with a Flat-Head screwdriver (1 in each wheel well as shown in **Figure 2**). The plastic clip looks like a Flat-Head screw. Turn the clip 90 degrees, then carefully pry the head of

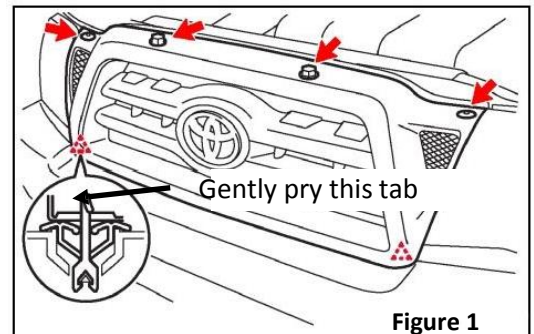


Figure 1

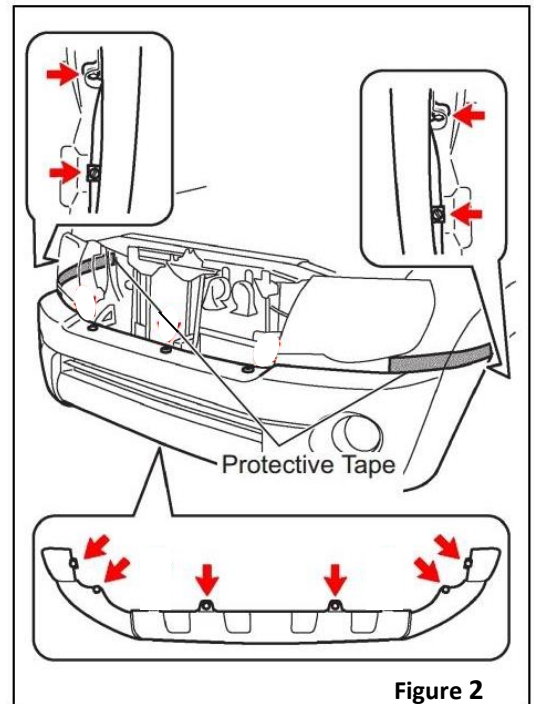


Figure 2



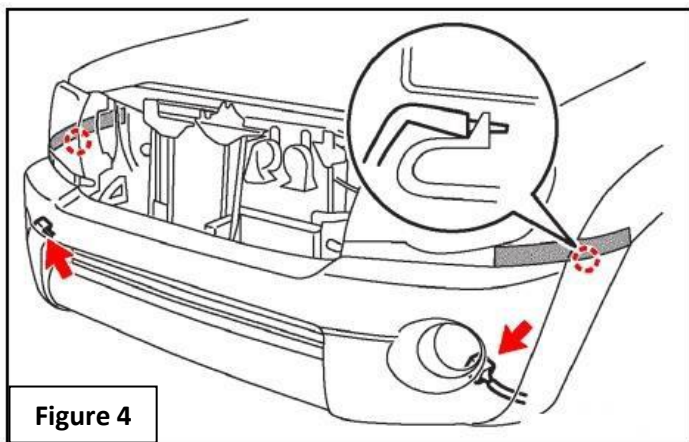
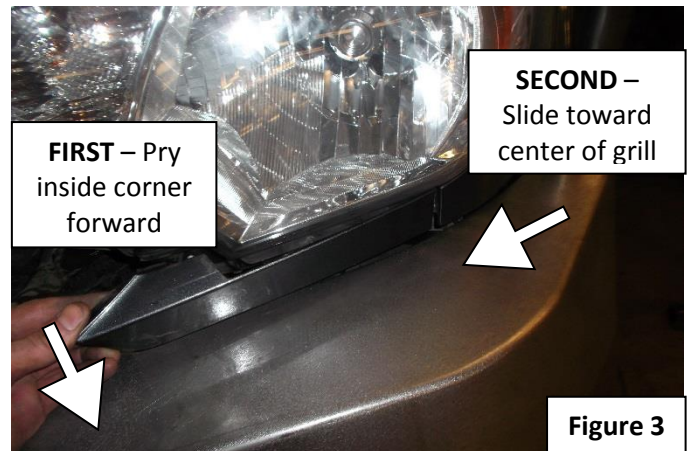
the clip out.



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9. Next, remove the small plastic trim pieces below the headlights (See Figure 3). **FIRST**, using a flat tool such as a tape covered screw driver, gently pry the inside corner (near the grill) away from the headlight (the forward direction of the vehicle), this will release the first clip. **SECOND**, complete removal of the trim piece by sliding it toward the center of the grill to release it from the second connection point.
10. Disconnect the 2 factory fog light connectors as shown in **Figure 4** below.
11. Disengage the bumper cover from the 2 claws as shown in **Figure 4** below by pulling the bumper cover away from the vehicle at the fender well.



12. Remove the front bumper cover and grill assembly by pulling the bumper cover out at the fender well, and upward at the bottom of the bumper skin.

13. You will now need to remove the bumper sub-assembly by removing 6 nuts. See **Figure 5** below. Make sure to save these 6 nuts, as you will need them to complete your bumper installation.

14. If the sub-assembly does not release, you may have to drive a wedge, chisel, or screwdriver in-between the aluminum flange and the steel frame mounting flange to separate the sub-assembly.

15. Before placing the bumper on the vehicle, check the frame holes to verify clearance for the $\frac{1}{2}$ " x 5" winch plate reinforcement hex bolts. There are 2 locations per side, one above, and one below the mounting studs as indicated in **Figure 6**. Using one of your $\frac{1}{2}$ " x 5" Hex Bolts, pass the bolt through the entire frame and out the back side at all 4 locations. If the bolt does not pass through, you will have to enlarge the holes slightly using a $\frac{1}{2}$ " drill bit. If you have to enlarge any holes, we suggest you paint the exposed raw metal edge of the hole to prevent rust development.



Figure 5

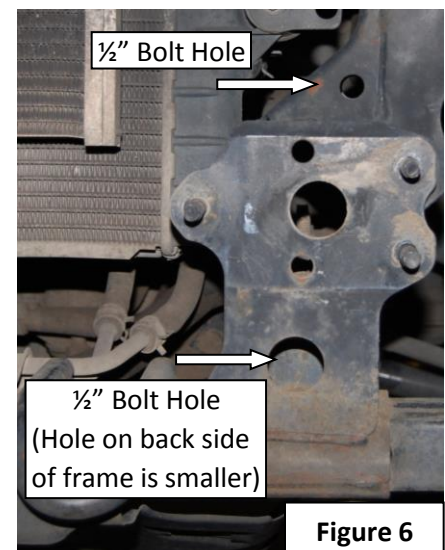


Figure 6



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16. Next, trim or tuck the fender liners. To trim the liners, cut them (at your discretion) just forward of the clips that hold them in place at the top, front of the fender. The clips and general trim location are shown in **Figure 7**. To tuck the fender liners, you can pull the loose end of the liner up to the support directly under the headlights and secure them using zip-ties through existing holes.

17. Separate the radiator grill from the bumper cover at this time by releasing the 8 tabs along the bottom, back side of the grill. See **Figure 8**.

18. Remove the upper bumper cover support bar that runs sideways from headlight-to-headlight by removing the 4 nuts holding it in place. Replace the two outer nuts (closest to the headlights) to secure the outer support braces. See **Figure 9**.

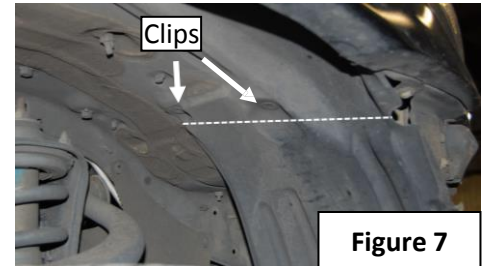


Figure 7

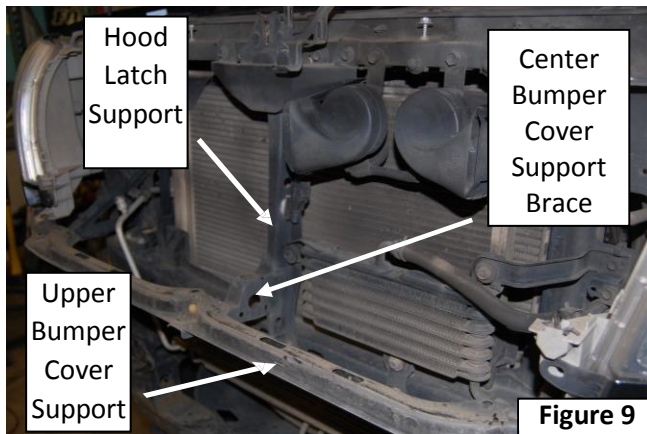


Figure 9

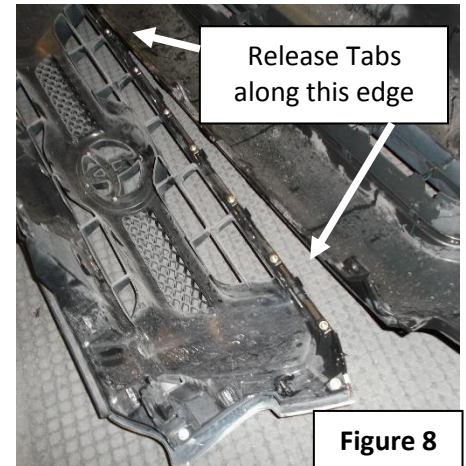


Figure 8

19. To ensure that you will be able to install your winch without complication, it is best to install the winch to the bumper before attaching the bumper to the vehicle. Please refer to the "**Winch Installation / Removal**" section below before proceeding to the next step if installing a winch at the same time as the bumper.

20. If the lower brush guard cross tube is not yet in place, install it now before installing the radiator grill. Refer to the "**Winch Installation / Removal**", Step 6 for instruction.

21. Re-install the radiator grill before installing the Warrior bumper. Attach the grill using the two threaded fasteners, and the two plastic clips at the top edge. You may also choose to further secure the radiator grill at the bottom with zip-ties.

22. Re-install the trim pieces below the headlights. Installation is the reverse of removal outlined in Step 9 above.

23. Position your Warrior bumper on the vehicle over the existing mounting studs. (**Use extreme caution while positioning the bumper to avoid damage to the vehicle**). We suggest you find a friend or two to help at this point.

24. Hand tighten each of the six nuts you saved from the bumper sub-assembly removal in Step 13. Three nuts will be installed per side.

25. Insert two of the ½" x 5" Hex Bolts with a ½" USS Flat Washer through the top slots of the bumper mounting plate. Use spacing washers (the washers with the smaller

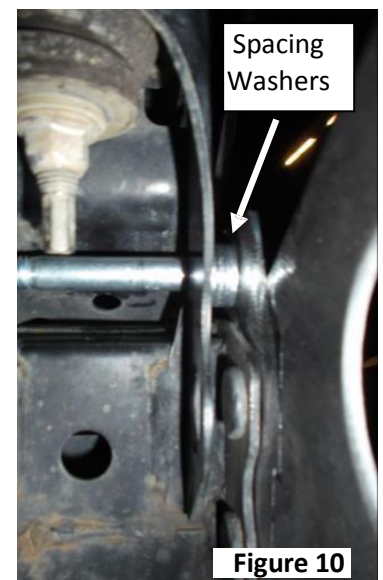


Figure 10



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outside diameter) to fill the gap between the bumper mounting plate and the body mount portion of the frame as shown in **Figure 10**. Select the appropriate number

of spacer washers to match the size of the gap as closely as possible (most applications will use 5 spacer washers per side). Insert the $\frac{1}{2}$ " x 5" bolt through the mounting plate, through the spacing washers, and then completely through the frame. (You can create more finger space to place the spacing washers by backing off the 6 nuts threaded on in step 17).

26. Insert the two remaining $\frac{1}{2}$ " x 5" Hex Bolts with a $\frac{1}{2}$ " USS Flat Washer through the bottom slots of the mounting plate on each side, and again, entirely through the truck frame. (Note: The hole on the rear side of the frame member is smaller, and off-center when compared to the hole on the front side).
27. Place a $\frac{1}{2}$ " USS Flat Washer and a $\frac{1}{2}$ " 2-way lock nut on each of the four bolts.
28. Visually align bumper, then fully tighten the [6] factory nuts and [4] $\frac{1}{2}$ " x 5" Hex Bolts.
29. Install Light Buckets. See enclosed instruction sheet, 4500-4 "Factory Fog Light Bucket Assembly and Installation."
30. Reconnect the battery cable to the negative battery terminal.
31. Installation Complete.

Winch Installation / Removal:

Because all winches are different sizes and the grill installation is difficult with the bumper in place, the safest bet is to install the winch before installing the bumper to reduce the chances of having to remove and re-install the bumper. Alternately, the lower brush guard cross tube is removable for servicing the winch and may provide enough clearance for winch removal and/or installation while the bumper is installed on the vehicle. To remove the lower brush guard tube with the bumper installed on the vehicle, the radiator grill must be removed first which will require some dis-assembly of the hood latch mechanism and support bracket. You may also have to loosen the bumper mounting bolts to allow the bumper to rock forward to gain additional clearance to move the radiator grill past the brush guard upper cross tube. Depending on the size of your winch, you may also have to remove or cut the center bumper cover support brace for clearance. See **Figure 9** on the previous page. If you cannot remove your radiator grill or your winch will not pass through the opening available, you will have to remove the bumper to install the winch, and then re-install the bumper and winch as an assembled unit.

1. The Warrior Front Winch Bumper will accommodate most standard 8,000-12,000 pound winches currently on the market. Both integrated, and non-integrated solenoid types. Some larger, integrated solenoid type winches may require cutting or removal of the center bumper cover support brace for clearance (See **Figure 9**). Check / measure for clearance before attempting to install the bumper to the vehicle.
2. Place your winch on the winch plate. A second set of hands may be helpful for positioning the winch.
3. Thread your winch line through the fairlead hole.
4. Attach the Fairlead, align and tighten as directed.
5. Bolt your winch to the winch plate using mounting hardware included with your winch.
6. If it is not already installed, attach the brush guard lower cross tube before installing the radiator grill to the vehicle. Fasten the lower cross tube using the [2] $\frac{3}{8}$ " x 1" stainless steel button head screws and [2] stainless steel washers. (Note: The cross tube has a specific orientation. Position it so that the angled edges of the end plates match up to the angle of brush guard support.



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