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Installation Instructions

X7910

Ram 2500/3500 Front Receiver

10,000 Lb Trailer Weight Rating
1,000 Lb Tongue Weight Rating
10,000 Lb Straight Line Pull Rating

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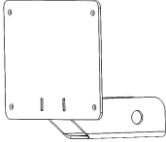
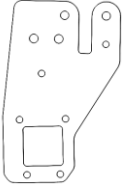
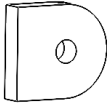
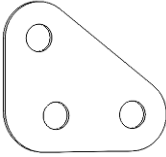
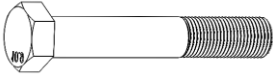
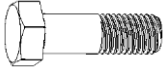
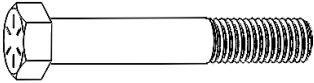




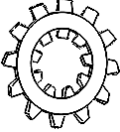
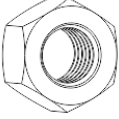
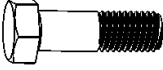
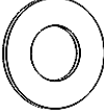






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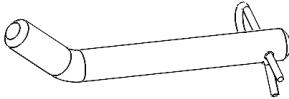


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Parts Inventory

Image	Description	Item #	Qty.
	Cross Tube	X7910-W1	1
	License Plate Bracket	X7910-W2	1
	Side Plate	X7910-P1	2
	Hole Alignment Plate	X7910-P8	1
	Side Plate Spacer	X7910-P10	2
	M16-1.50 x 100mm Class 10.9 Hex Bolt	13790	4
	5/8"-11 x 2" Grade 8 Hex Bolt	9846	8
	5/8"-11 x 4" Grade 8 Hex Bolt	13794	4
	5/8" SAE Flat Washer	9717	12

	5/8" Split Lock Washer	6023	8
	5/8" Star Washer	11357	8
	5/8"-11 Grade 8 Hex Nut	9842	8
	1/2"-13 x 1-1/2" Grade 8 Hex Bolt	9960	10
	1/2" SAE Flat Washer	7465	10
	1/2" Split Lock Washer	9302	10
	1/2"-13 Grade 8 Hex Nut	1751	10
	M12-1.75 x 100mm Class 10.9 Hex Bolt	13789	2
	M12 Flat Washer	20003	2
	1/4"-20 x 3/4" Button Head Bolt	15031	2
	1/4"-20 x 1/2" Button Head Bolt	11981	4

	1/4" SAE Flat Washer	10275	10
	1/4"-20 Nylock Hex Nuts	9891	6
	5/8"-11 Bolt Fisher	13696	2
	3/8" Hole Plug	12067	2
	5/8" Hitch Pin and Clip	3703	1

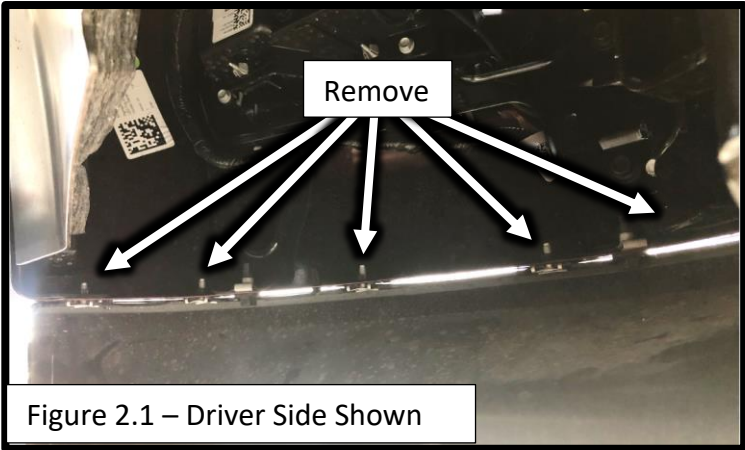
Step 1:

- Place the transmission in park and chock the rear tires to prevent the truck from rolling.
- Raise the front of the vehicle and place the front axle on jack stands.
- If equipped, remove the license plate, then the factory license plate bracket. The bracket is held in with four self-tapping screws.

Step 2:

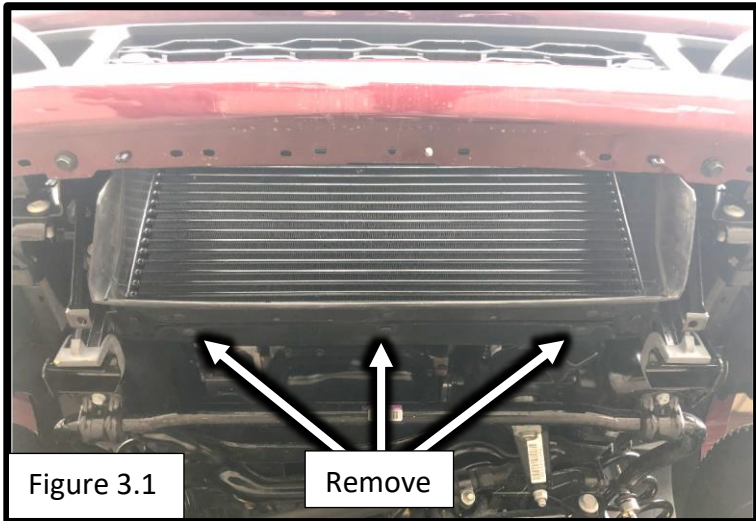
- Remove the 14 nuts attaching the lower air dam to the front bumper. See Figure 2.1. The middle four nuts can be accessed through the front opening in the air dam.
- Using a screwdriver, carefully disconnect the two push clips in the bottom of the air dam.
- Using a screwdriver, carefully disconnect the two remaining clips holding the air dam to the bumper.
- Set the air dam aside.

Step 2 Cont.



Step 3:

- Remove the three plastic push clips on the bottom of the intercooler shroud. See Figure 3.1



Step 3: Cont.

- Remove the four bolts (two per side) holding the intercooler shroud to the front of the intercooler. See Figure 3.2

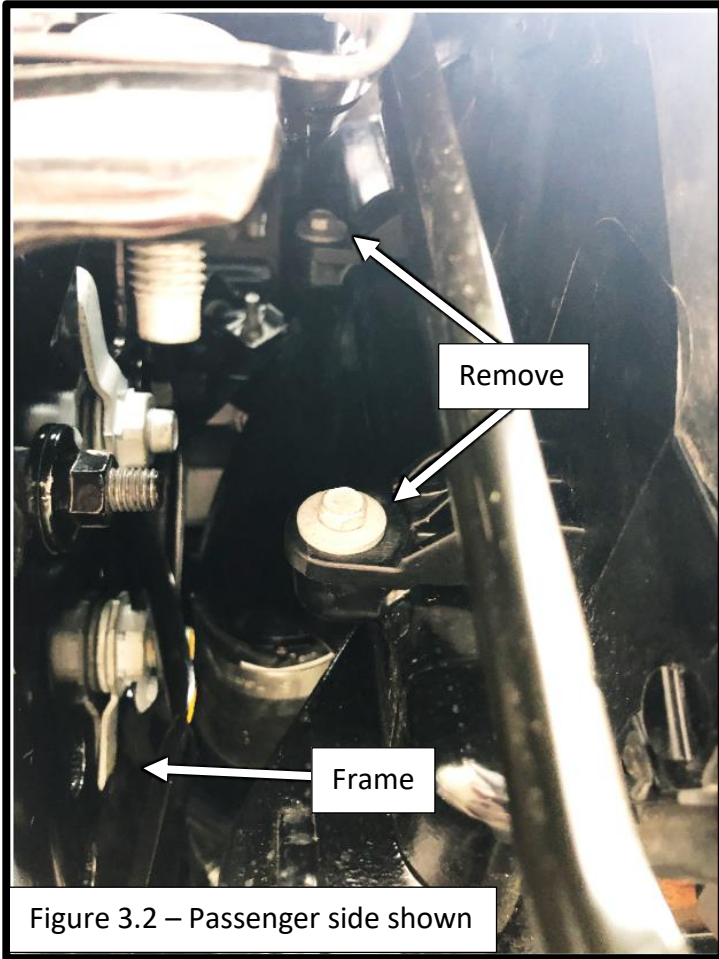
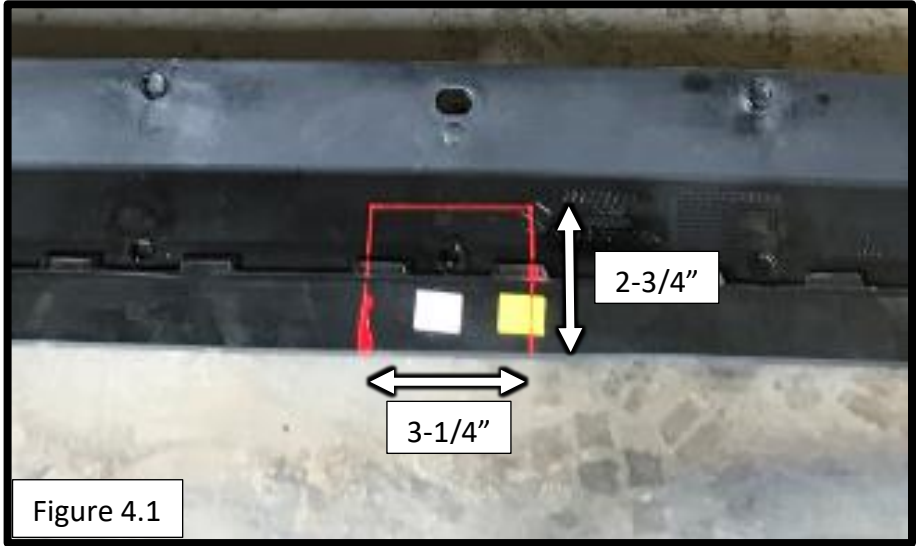


Figure 3.2 – Passenger side shown

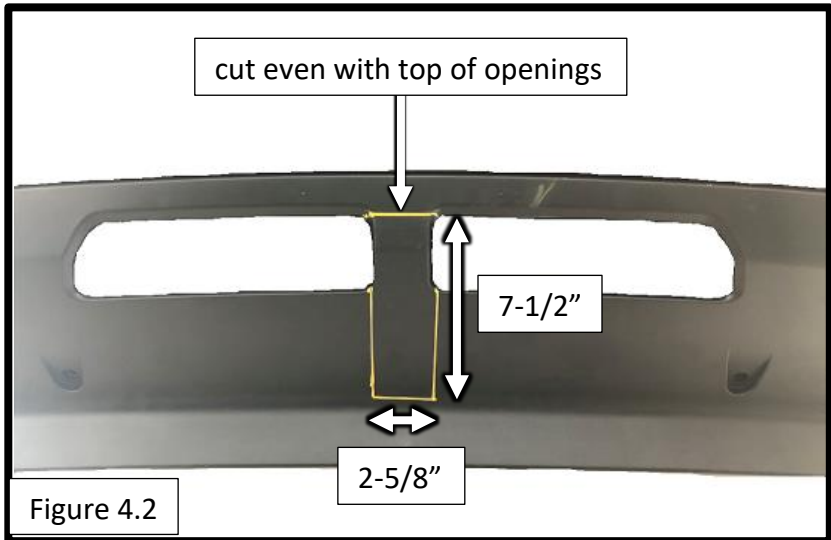
- Remove the charge air cooler shroud. Be careful not to damage the charge air cooler fins.

Step 4:

- Using a reciprocating body saw, or other method, trim the center of the intercooler shroud as shown in figure 4.1.

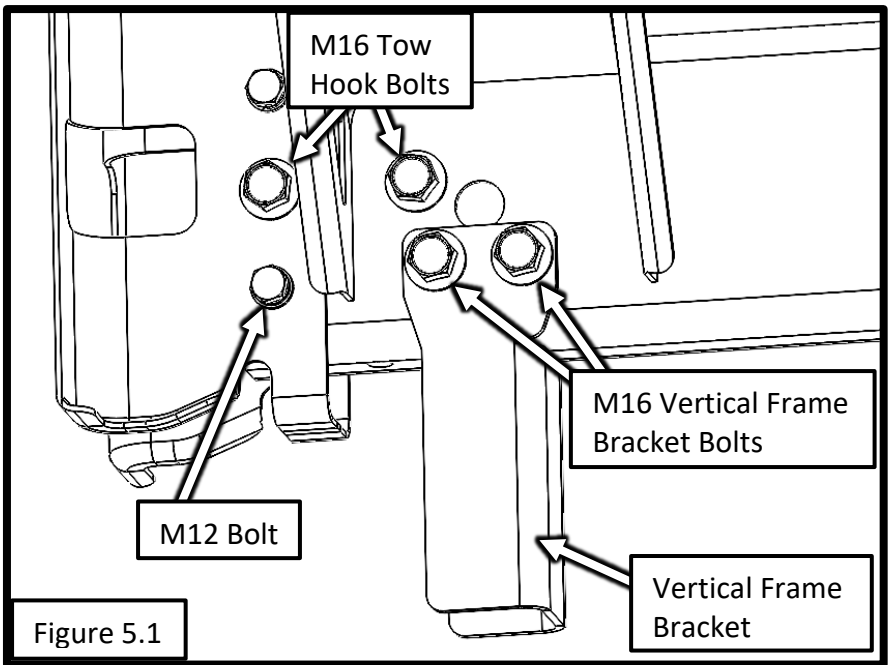


- Using a reciprocating body saw, or other method, trim the center of the air dam as shown in figure 4.2.



Step 5:

- Starting on the driver side, remove the M12 bolt just forward and below of the front body mount. See Figure 5.1.
- Remove both M16 tow hook bolts if equipped. Take note of the factory nut and tab orientations on the opposite side of the frame before removal.
- Remove both M16 vertical frame bracket bolts and the vertical frame bracket if equipped.

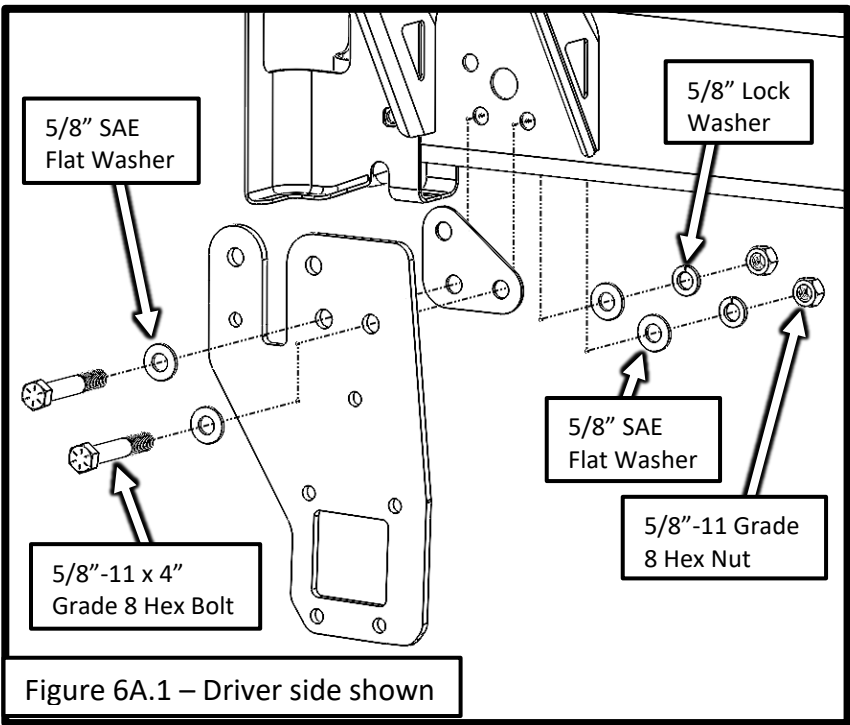


- If equipped, slide the tow hook out from the bumper and set it aside.
- Repeat the removal process for the Passenger side of the vehicle. Proceed to Step 6.

Step 6A: Vehicles equipped with vertical frame brackets.

(For vehicles not equipped with Vertical Frame Brackets, proceed to Step 6B)

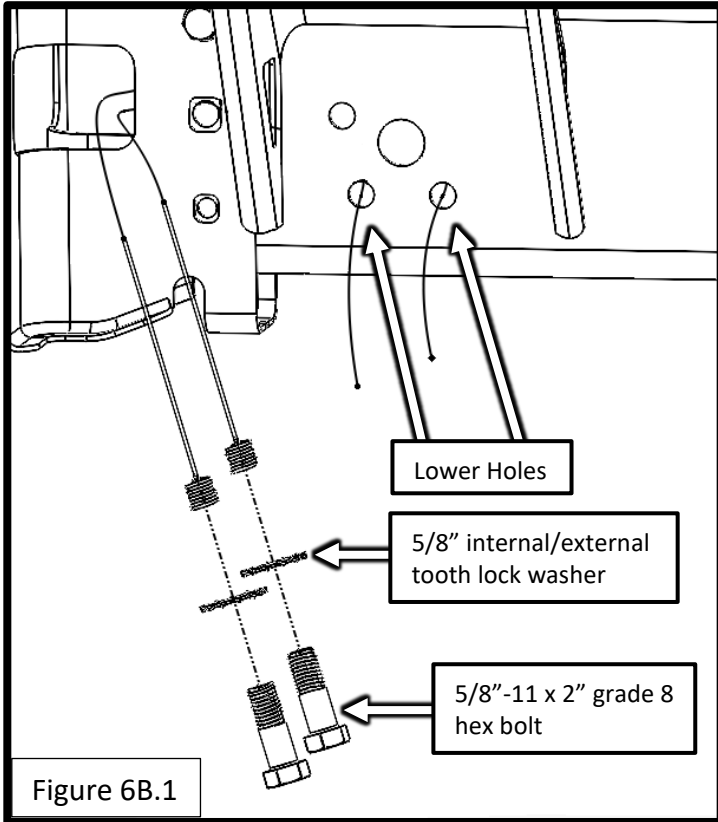
- Insert one 5/8"-11 x 4" Grade 8 hex bolt with one 5/8" SAE flat washer into each of the two lower rear holes in a Side Plate.
- Place a side plate spacer over the threaded ends of the bolts, then guide the bolts into the frame. See figure 6A.1.



- Secure each bolt with one 5/8" SAE flat washer, one 5/8" split lock washer, and a 5/8"-11 grade 8 hex nut. Leave the hardware as loose as possible. Repeat for the opposite side of the frame. Proceed to Step 7.

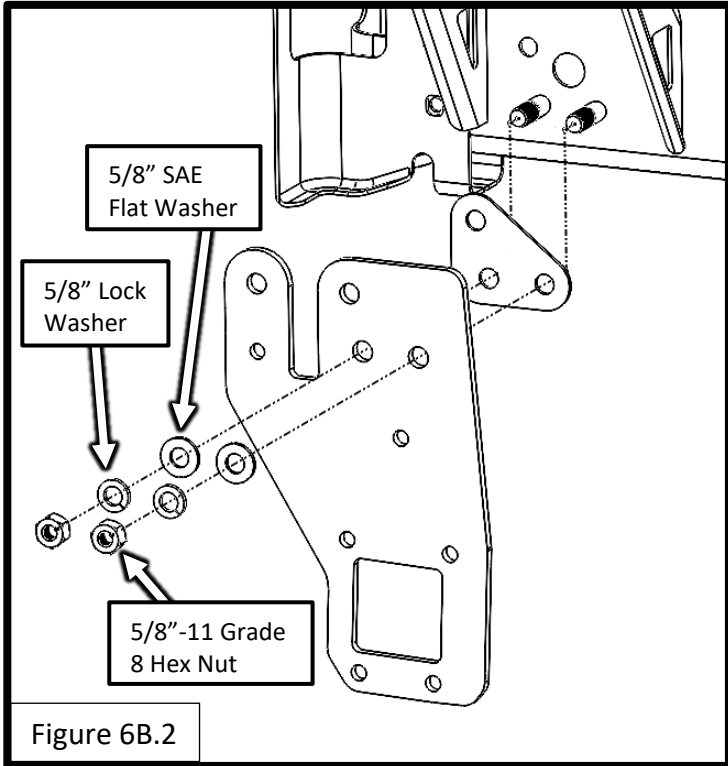
Step 6B: Vehicles not equipped with vertical frame brackets.

- Guide the coiled end of a 5/8" bolt fisher into each of the two lower rear holes, and out the front end of the frame. See Figure 6B.1.
- Attach one 5/8" internal/external tooth lock washer, and one 5/8"-11 x 2" grade 8 hex bolt to each bolt fisher.



- Pull on the straight end of each bolt fisher until the threads of both bolts are protruding from the two lower rear holes. Keep the bolt fishers attached.

- String the bolt fishers through a side plate spacer, and then through the lower rear mounting holes in a side plate. See Figure 6B.2

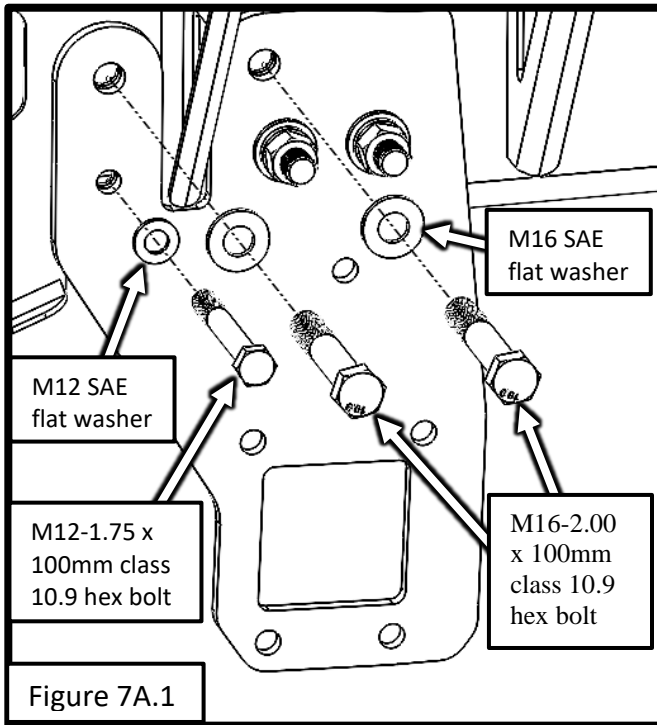


- Place the side plate spacer and side plate up against the frame.
- Carefully remove one of the bolt fishers, then secure the bolt with one 5/8" SAE flat washer, one 5/8" split lock washer, and a 5/8"-11 grade 8 hex nut. Keep the hardware as loose as possible. Repeat for the other bolt.
- Repeat step 6B for the opposite side of the frame, then proceed to Step 7.

Step 7A: Vehicles equipped with tow hooks.

(For vehicles not equipped with tow hooks, proceed to Step 7B)

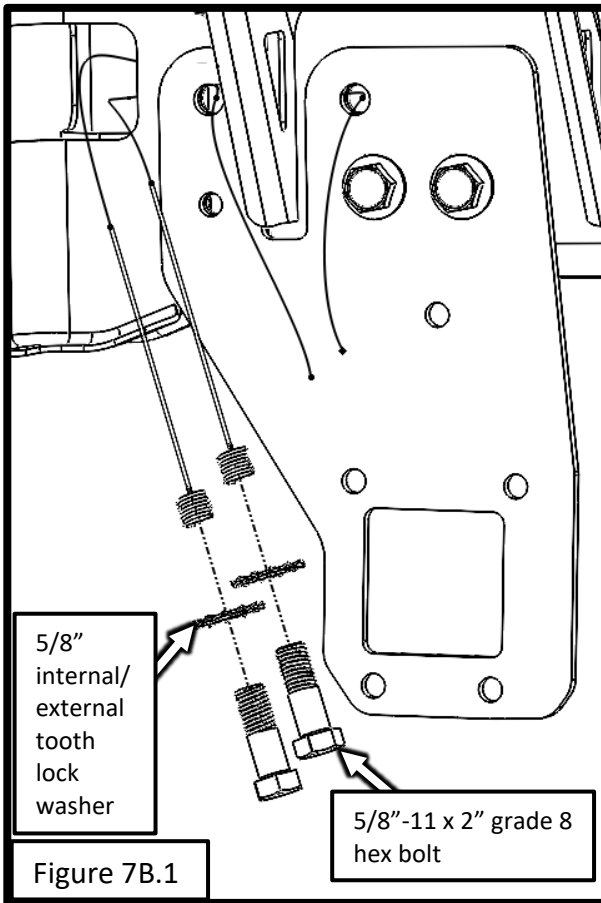
- Slide the tow hook back through the bumper and into the frame.
- Install one M16-2.00 x 100mm class 10.9 hex bolt with one 5/8" SAE flat washer into each of the two upper holes in the side plate and through the tow hook. Loosely thread each of the bolts into the factory nuts.
- Install one M12-1.75 x 100mm class 10.9 hex bolt with one M12 flat washer into the remaining hole. Loosely secure the bolt with the factory nut. See Figure 7A.1.



- Repeat Step 7A for the passenger side of the truck, then proceed to Step 8

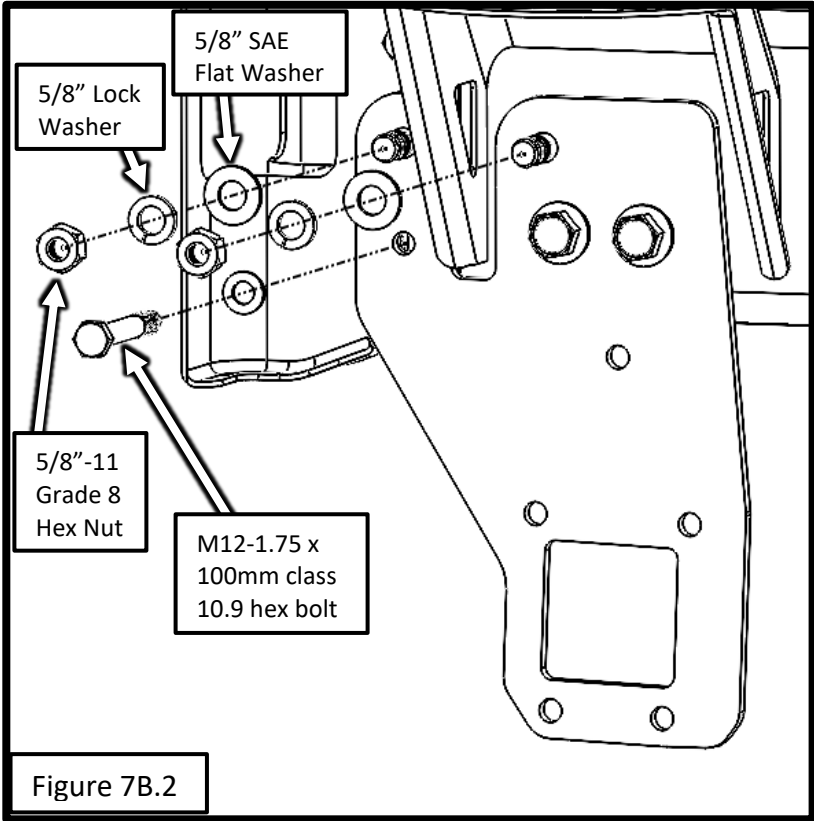
Step 7B: Vehicles not equipped with tow hooks.

- Guide the coiled end of a 5/8" bolt fisher into each of the two upper holes, and out the front end of the frame. See Figure 7B.1.
- Attach one 5/8" internal/external tooth lock washer, and one 5/8"-11 x 2" grade 8 hex bolt to each bolt fisher.



- Pull on the straight end of each bolt fisher until the threads of both bolts are protruding from the two upper holes. Keep the bolt fishers attached.

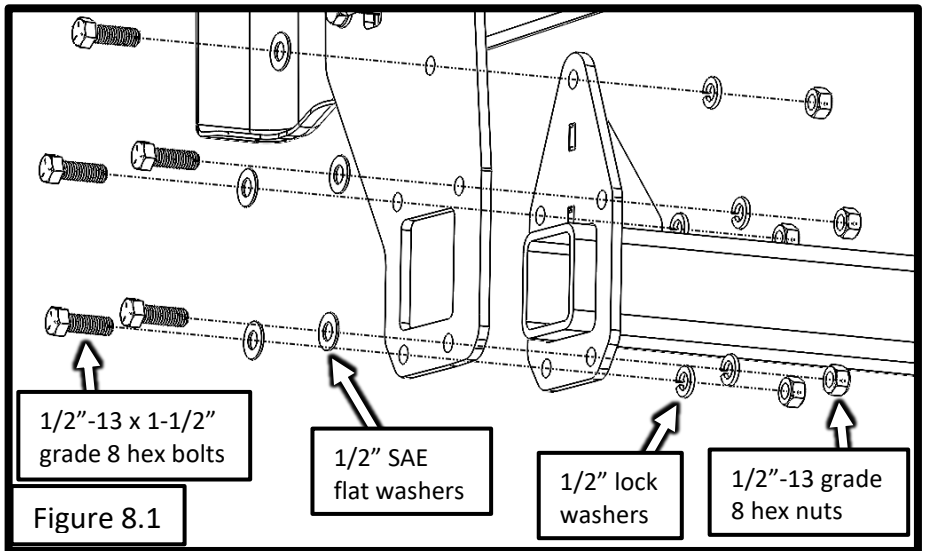
- Carefully remove one of the bolt fishers, then secure the bolt with one 5/8" SAE flat washer, one 5/8" split lock washer, and a 5/8"-11 grade 8 hex nut. See Figure 7B.2. Keep the hardware as loose as possible. Repeat for the other bolt.



- Install one M12-1.75 x 100mm class 10.9 hex bolt with one M12 flat washer into the remaining hole. Loosely secure the bolt with the factory nut.
- Repeat step 7B for the passenger side of the frame, then proceed to Step 8.

Step 8

- Reattach the intercooler shroud and air dam in the reverse order of removal. Be careful! Do not allow the studs in the air dam to scratch the paint.
- Install the cross tube into the side plates, one side at a time. It is easiest to angle the cross tube into position with one side farther towards the rear of the truck. You will need to flex the air dam downwards until the hitch receiver aligns with the cutout.
- Attach both side plates to the cross tube by installing one 1/2"-13 x 1-1/2" grade 8 hex bolt with one 1/2" SAE flat washer into each of the five holes per side plate. Secure each bolt with one 1/2" split lock washer and one 1/2"-13 grade 8 hex nut. See figure 8.1



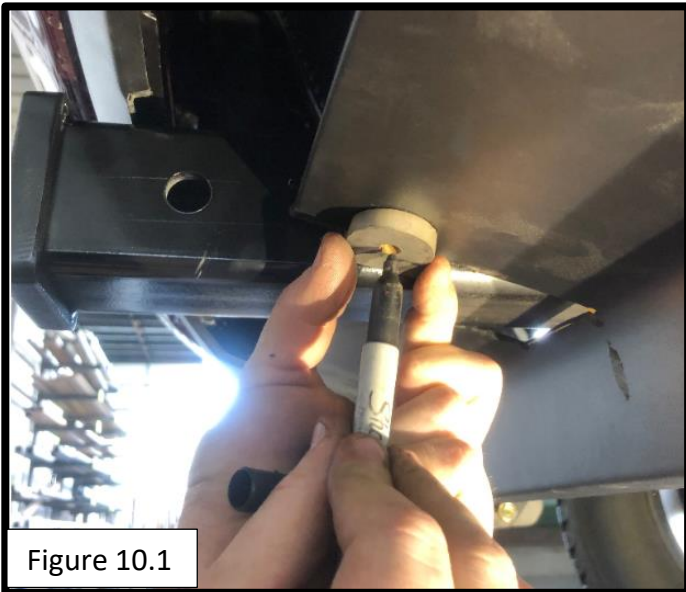
Step 9

Torque the hardware in the following order.

- Torque the M16 bolts to 200 ft-lbs (some installations will not use any M16 bolts)
- Torque the 5/8" bolts to 200 ft-lbs
- Torque the M12 bolts to 80 ft-lbs
- Torque the 1/2" bolts to 80 ft-lbs

Step 10

- Hold the hole alignment plate up against the bottom of the air dam and align it with one of the two tabs on the receiver. Use a felt tipped pen to mark the hole location. Repeat for the opposite side of the receiver. See Figure 10.1.

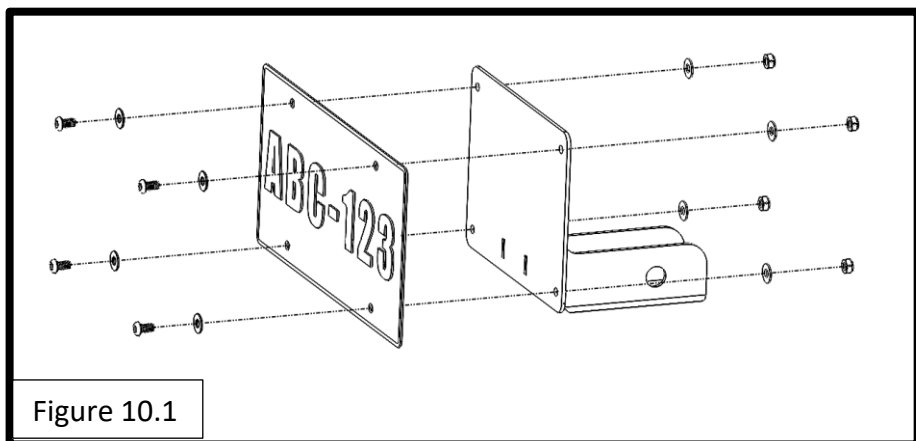


- Drill a 1/4" hole in the two marked locations.

- Install one 1/4"-20 x 3/4" button head bolt up into each hole the air dam and through the tab on the side of the receiver.
- Secure each bolt with one 1/4" SAE flat washer and one 1/4"-20 thin nylock nut. Tighten until snug. Do not over tighten as it may deform the plastic.

Step 10

- Install one 3/8" hole plug into the holes left in the bumper by the original license plate bracket.
- Install one 1/4"-20 x 1/2" button head bolt with one 1/4" SAE flat washer into each hole in the license plate and through the license plate bracket. Secure each bolt with one 1/4" SAE flat washer and one 1/4"-20 thin nylock nut. See Figure 10.1.



- Slide the license plate bracket into the hitch receiver and pin it in place using the supplied 5/8" hitch pin and clip.

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