



Installation Instructions

PART NUMBERS: 65077, CQT65077

Applications:

Years	Make	Models
2017-current*	Nissan	Titan

Installation Time: 60 min.

The time listed above is the average time for professional installers. If you do not feel comfortable performing this installation on your own or are in need of assistance, please contact a professional installer.



Representative Vehicle Photo

Equipment Required:

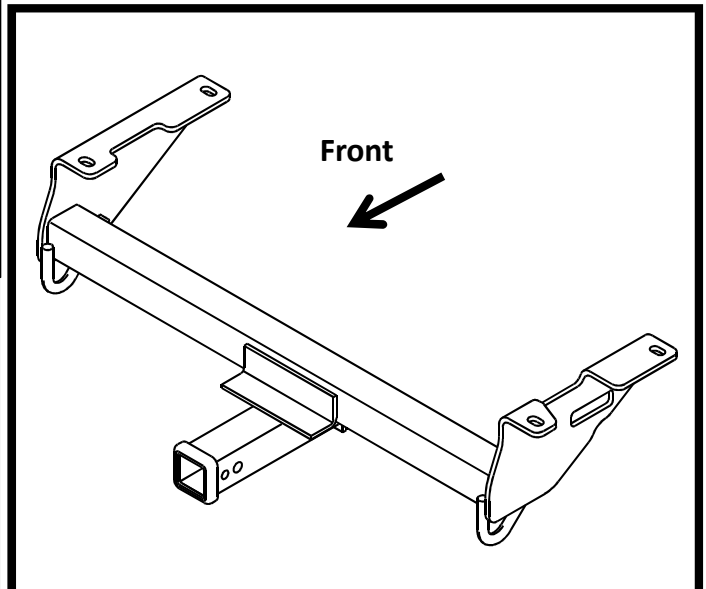
Safety Glasses	Ratchet	10mm 12mm 14mm Sockets	16mm 17mm 19mm 3/4	Torque Wrench	Wire brush	Phillips Screwdriver
Marker	Utility Knife	6" Socket Extension	Tape Measure	12mm 17mm Box end wrench	Die Grinder	

DO NOT EXCEED LOWER OF TOWING VEHICLE MANUFACTURER'S RATING OR:

CARGO CAPACITY – Do not exceed 500 LB. (227 Kg) or Truck **Front** Gross Axle Weight Rating, (GAWR).

9,000 lb.
(4086 Kg)

MAXIMUM WINCH LINE PULL









Hitch Illustration

Installation Instructions

PART NUMBERS: 65077, CQT65077

Always wear SAFETY GLASSES when installing hitch

Fastener Kit: 65077F

①	Qty. (2)	Bolt M12 X 1.25 X 40 CL10.9	
②	Qty. (4)	Conical washer ½ Part no. 01292008	
③	Qty. (2)	Carriage bolt ½-13 x 1.75 Gr5	
④	Qty. (2)	Spacer block .250 x 1.00 x 3.00 Part no. 3022	
⑤	Qty. (2)	Hex Nut ½-13 Gr5	
⑥	Qty. (2)	Pull wire ½-13 Part no. 5482	

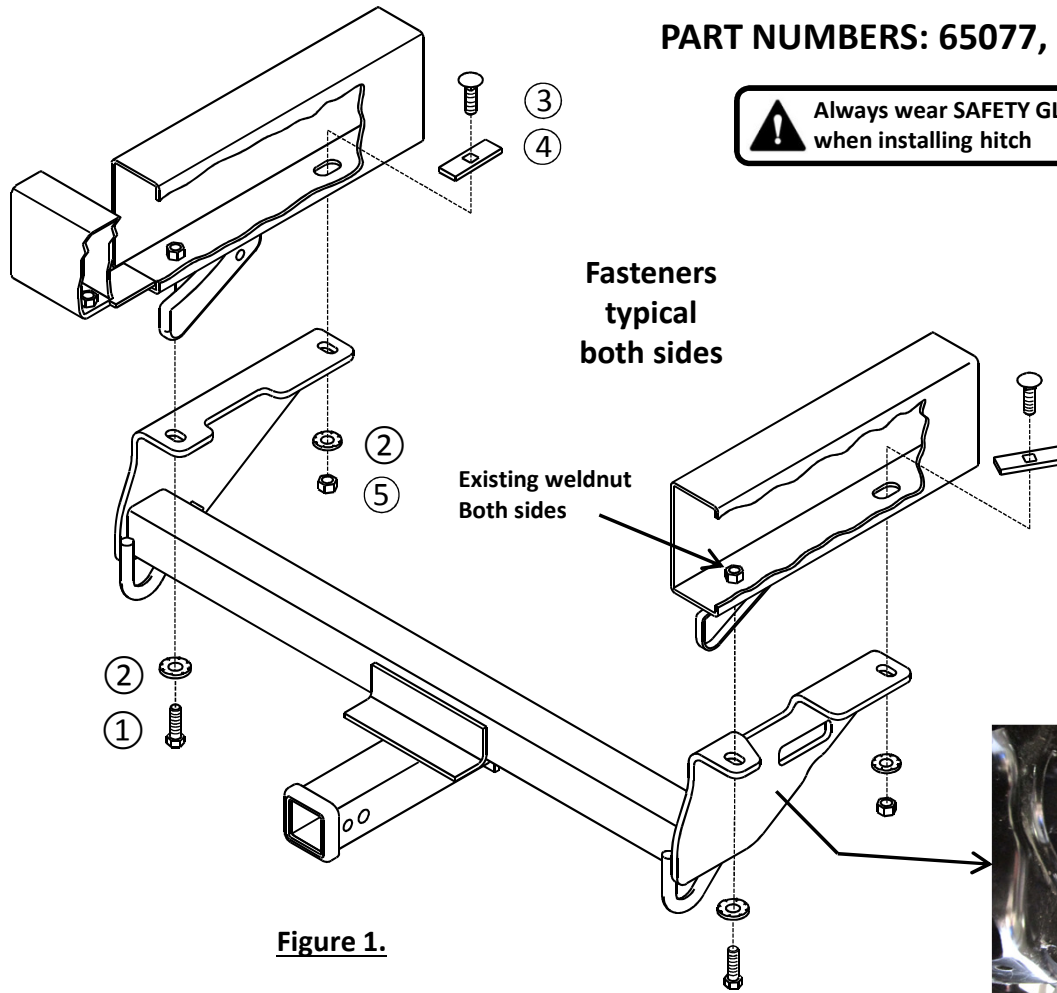


Figure 1.

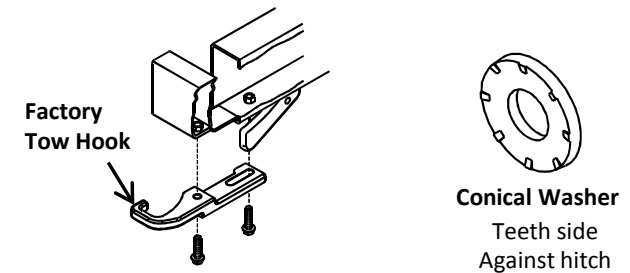


Figure 2.

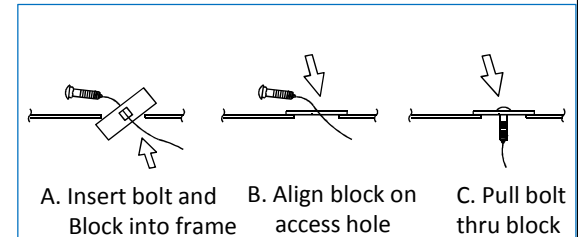


Figure 6.

NOTE: Requires trimming or removal of front air dam and plastic splash guard for hitch installation. Obtain owner permission before trimming.

NOTE: Requires removal of factory tow hooks. Tow hooks cannot be reinstalled after hitch is installed.

- 1. Remove Air Dam** – using a 10mm socket, remove (10) screws from air dam, (8) along the bottom and (1) in each corner from underneath.
- 2. Remove Tow Hooks** – If present, using a 17mm socket, remove (2) bolts from each tow hook. Return tow hooks and bolts to vehicle owner. **NOTE:** To remove the forward tow hook bolts, remove the plastic panel located on front of bumper, using a 17mm box end wrench, remove the bolts, or use a socket extension and a swivel to remove bolts from behind bumper. **Figure 2.**
- 3. Remove Splash Guard** – using a 12mm socket, remove (7) bolts and remove splash guard.
- 4. Remove Impact Beam** – **NOTE:** Be sure to support the impact beam before removing the bolts. Using a 16mm socket, remove the (2) rearmost bolts holding impact beam to bottom of frame. Using a 12mm end wrench, remove (2) forward bolts located on the side of the frame, behind the bumper support bracket.

Note: check hitch frequently, making sure all fasteners and ball are properly tightened. If hitch is removed, plug all holes in trunk pan or other body panels to prevent entry of water and exhaust fumes. A hitch or ball which has been damaged should be removed and replaced. Observe safety precautions when working beneath a vehicle and wear eye protection. Do not cut access or attachment holes with a torch. This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C. Regulation V-5 and SAE J684.

Installation Instructions

PART NUMBERS: 65077, CQT65077

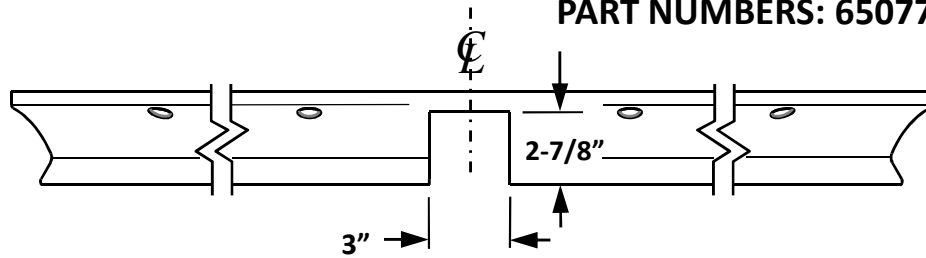
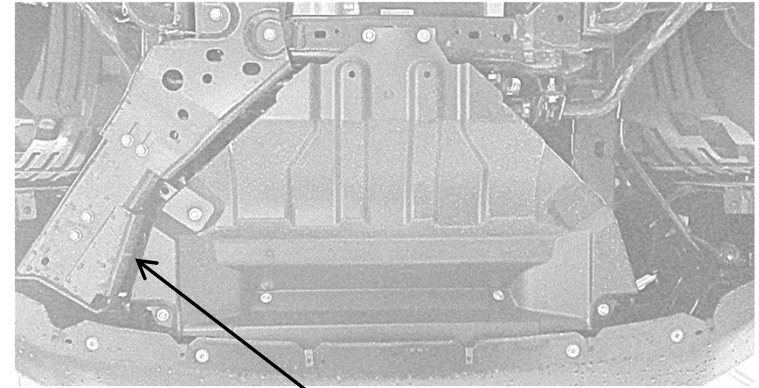


Figure 3.



Impact Beam

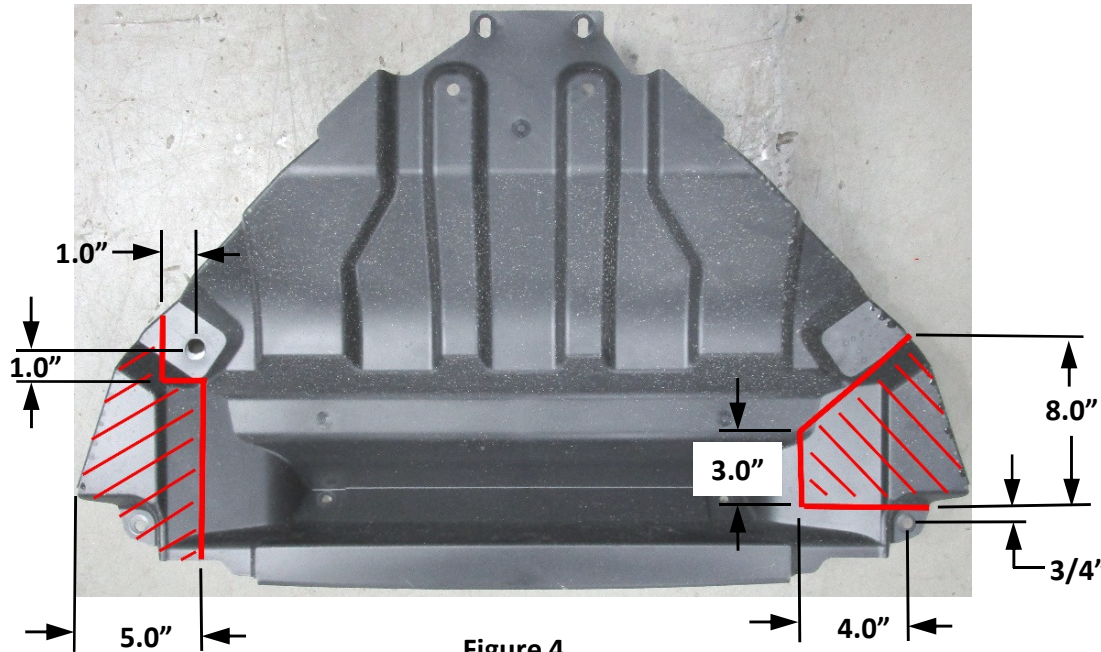
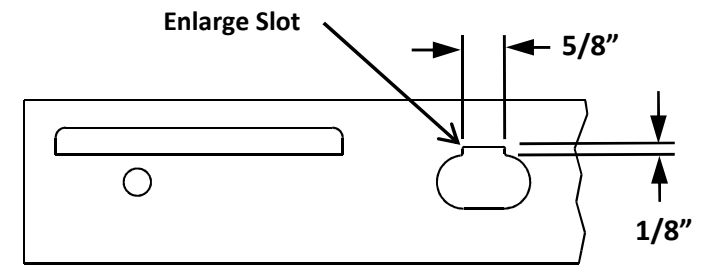



Figure 4.



Bottom View of Frame

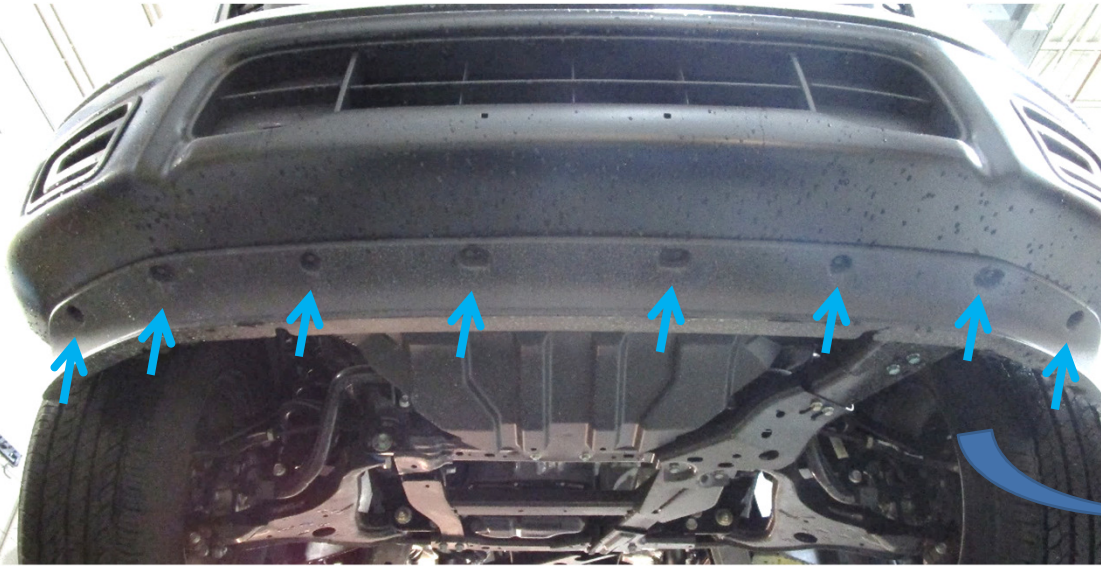
Figure 5.

5. **Trim Air Dam** – using a tape measure, a marker, and utility knife, measure, mark, and trim the air dam. See Figure 3.
6. **Reinstall Air Dam** – If trimmed, reinstall the air dam using original mounting hardware.
7. **Trim Splash Guard** - measure, mark, and trim the plastic splash guard. See Figure 4.
8. **Reinstall Splash Guard** – If trimmed, reinstall the splash guard using (6) of original mounting hardware.
9. **Enlarge Slot** – using a die grinder with cutting bit, enlarge the rearward slot in bottom of frame enough to fit the head of the carriage bolt, both sides, as shown in Figure 5.
10. **Install carriage bolts & blocks** –Using the reverse fish wire method, attach pull wires to carriage bolts and install the 1/2 carriage bolts and spacer blocks into the rearward slots in the bottom of frame rails. See Figure 6.
11. **Install Hitch** – raise hitch into position, installing the driver's side bracket flange through the opening between vehicle frame bracket and bottom of frame first, then raise the passenger's side into position. Be careful to not push carriage bolts back into the frame. **NOTE:** It may be necessary to clean debris from existing weldnuts in frame using a wire brush or compressed air. See Figure 1. Loosely install the M12 bolts with conical washers into the existing weldnuts in bottom of frame, both sides. Loosely install the 1/2 -13 hex nuts and conical washers onto the carriage bolts.
12. **Tighten all M12 CL10.9 fasteners with torque wrench to 105 Lb.-Ft. (142 N*M).**  **Proper torque is needed to keep the hitch secure to the vehicle when towing.**
13. **Tighten all 1/2-13 Gr5 fasteners with torque wrench to 75 Lb.-Ft. (102 N*M).**
14. **Reinstall the Impact beam** using the original mounting hardware. Tighten all factory hardware to proper torque specifications. See note 4.

NOTE: Requires trimming or removal of front air dam and plastic splash guard for hitch installation. Obtain owner permission before trimming.

NOTE: Requires removal of factory tow hooks. Tow hooks cannot be reinstalled after hitch is installed.

1. Remove Air Dam – using a 10mm socket, remove (10) screws from air dam, (8) along the bottom and (1) in each corner from underneath.



2. Remove Tow Hooks – If present, using a 17mm socket, remove (2) bolts from each tow hook. Return tow hooks and bolts to vehicle owner. **NOTE:** To remove the forward tow hook bolts, remove the plastic panel located on front of bumper, using a 17mm box end wrench, remove the bolts, or use a socket extension and a swivel to remove bolts from behind bumper. **Figure 2.**

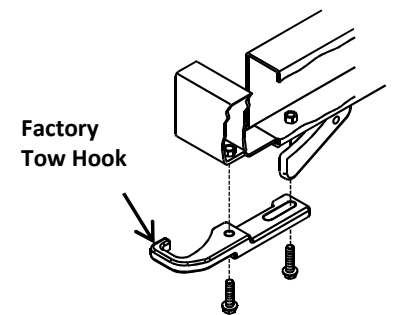
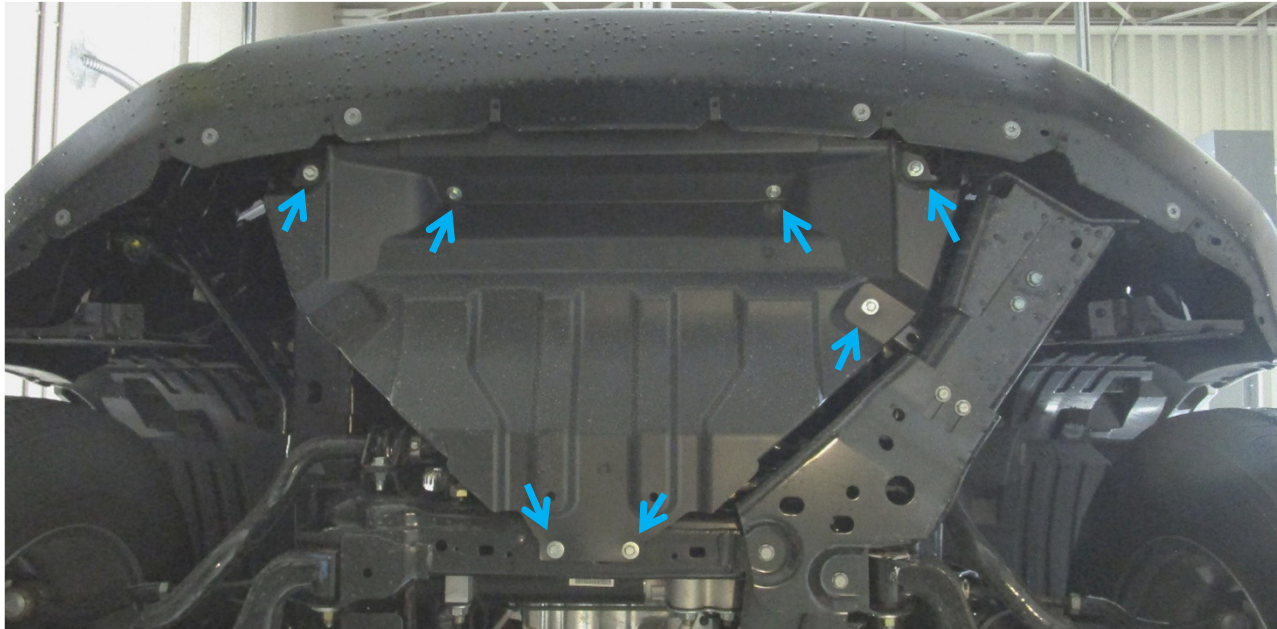


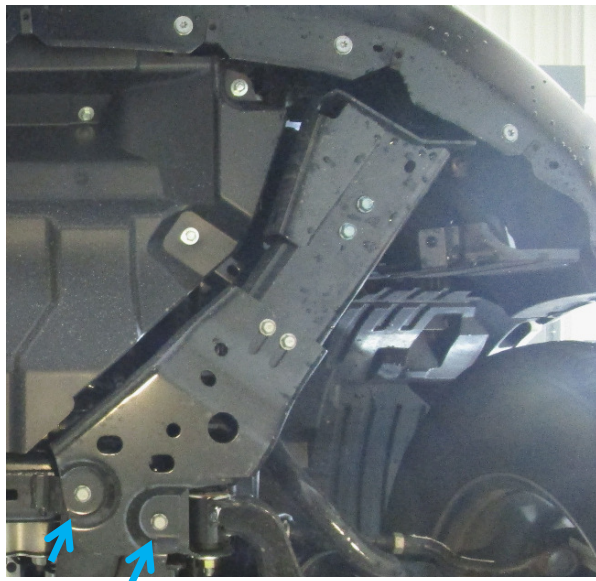
Figure 2.

3. Remove Splash Guard – using a 12mm socket, remove (7) bolts and remove splash guard.



4. Remove Impact Beam – **NOTE:** Be sure to support the impact beam before removing the bolts.

Using a 16mm socket, remove the (2) rearmost bolts holding impact beam to bottom of frame. Using a 12mm end wrench, remove (2) forward bolts located on the side of the frame, behind the bumper support bracket.



5. **Trim Air Dam** – using a tape measure, a marker, and utility knife, measure, mark, and trim the air dam.

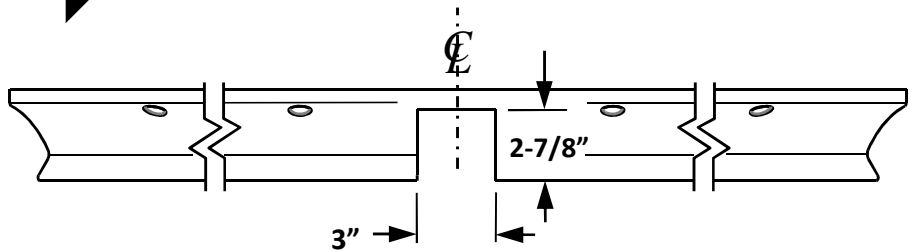
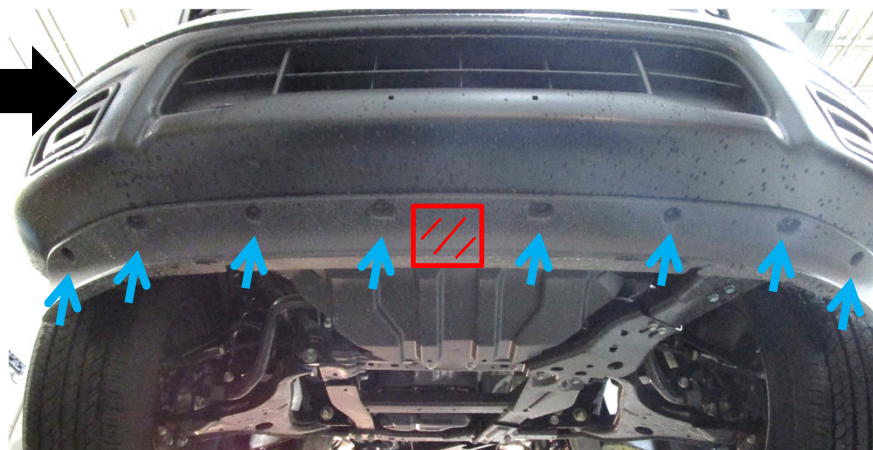


Figure 3.

6. **Reinstall Air Dam** – If trimmed, reinstall the air dam using original mounting hardware.



7. **Trim Splash Guard** - measure, mark, and trim the plastic splash guard. See Figure 4.

8. **Reinstall Splash Guard** – If trimmed, reinstall the splash guard using (6) of original mounting hardware.

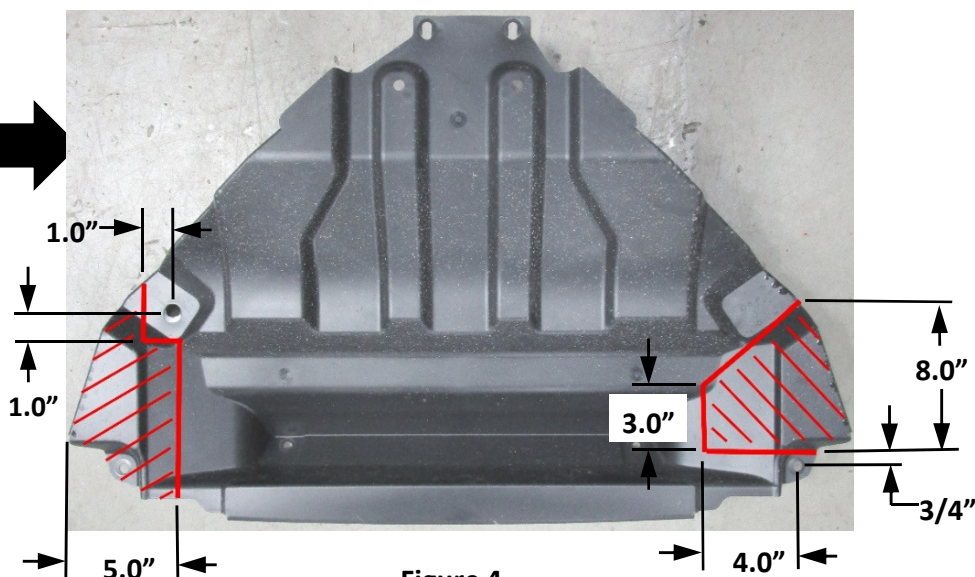


Figure 4.

9. **Enlarge Slot** – using a die grinder with cutting bit, enlarge the rearward slot in bottom of frame enough to fit the head of the carriage bolt, both sides, as shown in Figure 5.

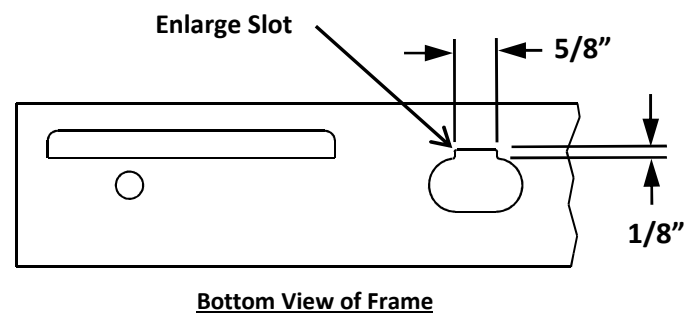
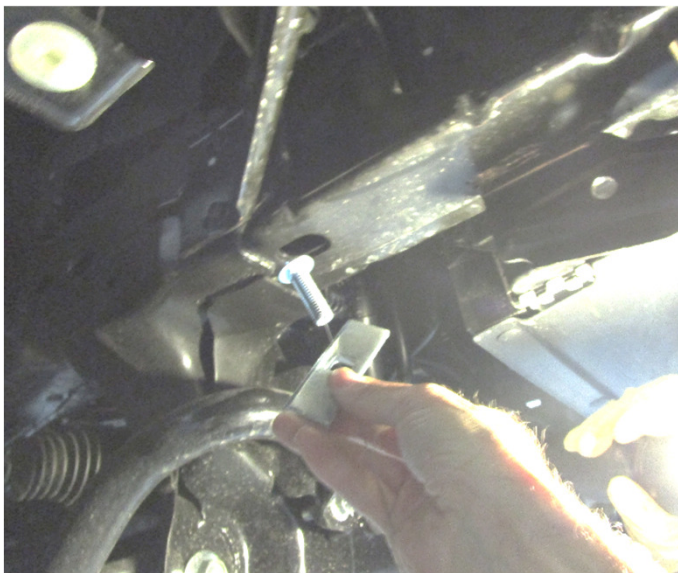
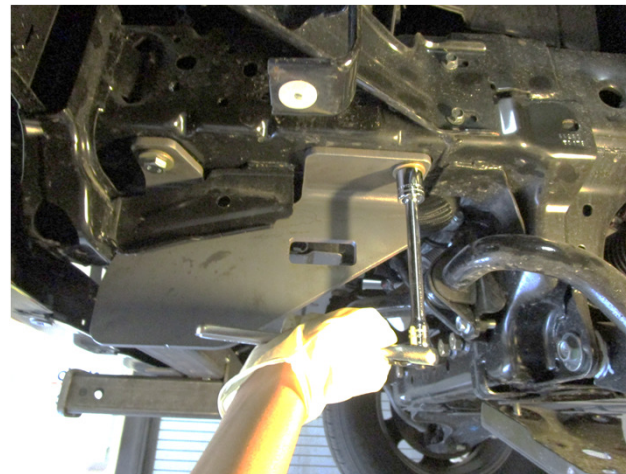


Figure 5.

10. Install carriage bolts & blocks –Using the reverse fish wire method, attach pull wires to carriage bolts and install the ½ carriage bolts and spacer blocks into the rearward slots in the bottom of frame rails.



11a. Install Hitch – raise hitch into position, installing the driver's side bracket flange through the opening between vehicle frame bracket and bottom of frame first, then raise the passenger's side into position. Be careful to not push carriage bolts back into the frame. **NOTE:** It may be necessary to clean debris from existing weldnuts in frame using a wire brush or compressed air.



11b. Install Hitch – Loosely install the M12 bolts with conical washers into the existing weldnuts in bottom of frame, both sides. Loosely install the 1/2 -13 hex nuts and conical washers onto the carriage bolts.



12. Tighten all M12 CL10.9 fasteners with torque wrench to 105 Lb.-Ft. (142 N*M).
13. Tighten all ½-13 Gr5 fasteners with torque wrench to 75 Lb.-Ft. (102 N*M).

⚠ Proper torque is needed to keep the hitch secure to the vehicle when towing.

14. Reinstall the Impact beam using the original mounting hardware. Tighten all factory hardware to proper torque specifications. **See note 4.**

