



# Installation Instructions

PART NUMBERS: 65081, CQT65081

## **WARNING**

To prevent **SERIOUS INJURY, DEATH** or **PROPERTY DAMAGE**:

- **ALWAYS** read, understand and follow warnings and instructions for your hitch **BEFORE** installation. Keep for future reference.
- **DO NOT** cut, weld or modify this receiver.
- **CHECK** all fasteners are tight and your hitch is securely mounted to your vehicle periodically.
- **ALWAYS** read, understand and follow all warnings and instructions for your vehicle and for other accessories you will use with your hitch **BEFORE** use.
- **LOAD** the trailer heavier in front.
- **DO NOT** exceed lower of towing vehicle manufacturer's rating or:

<b><u>CARGO CAPACITY</u></b> – Do not exceed 500 LB. (227 Kg) or Truck Front Gross Axle Weight Rating, (GAWR).	
<b>9,000 lb.</b> <b>(4086 Kg)</b>	<b>MAXIMUM WINCH LINE PULL</b>

- **ALWAYS** wear your seatbelt.
- **SLOW DOWN** when towing, **NEVER** exceed any posted speed limit.
- If **EXCESS SWAY** occurs, take your foot off the gas pedal and hold the steering wheel as steady as possible. **DO NOT** apply your brakes and **DO NOT** speed up.

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## Applications:

Years	Make	Models
2019-current* (excludes vehicles with factory tow hooks)	RAM	1500

\*Visit our website for the most up to date information regarding application years and trim levels.

## Installation Time: 50 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:

\* Deep well Socket required

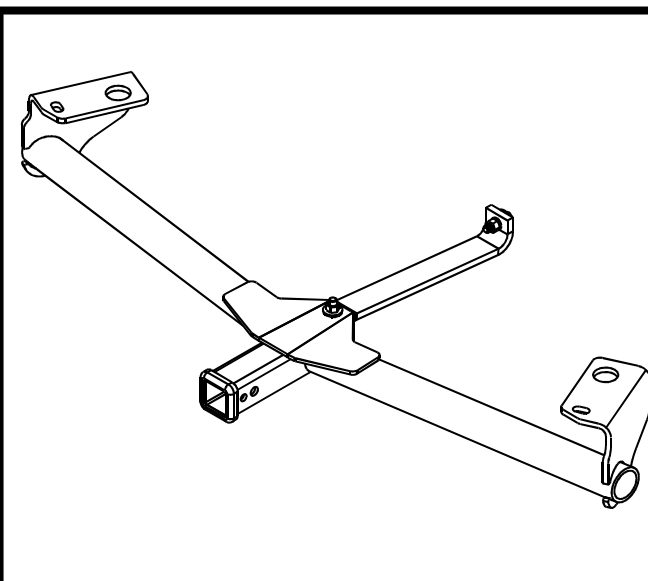
Safety Glasses	Ratchet	8mm 10mm * 13mm * 18mm Sockets	22mm 3/4"	Torque Wrench
3/4" Open end wrench	Flat Head Screw Driver	Tape Measure	Marker	Utility Knife

**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

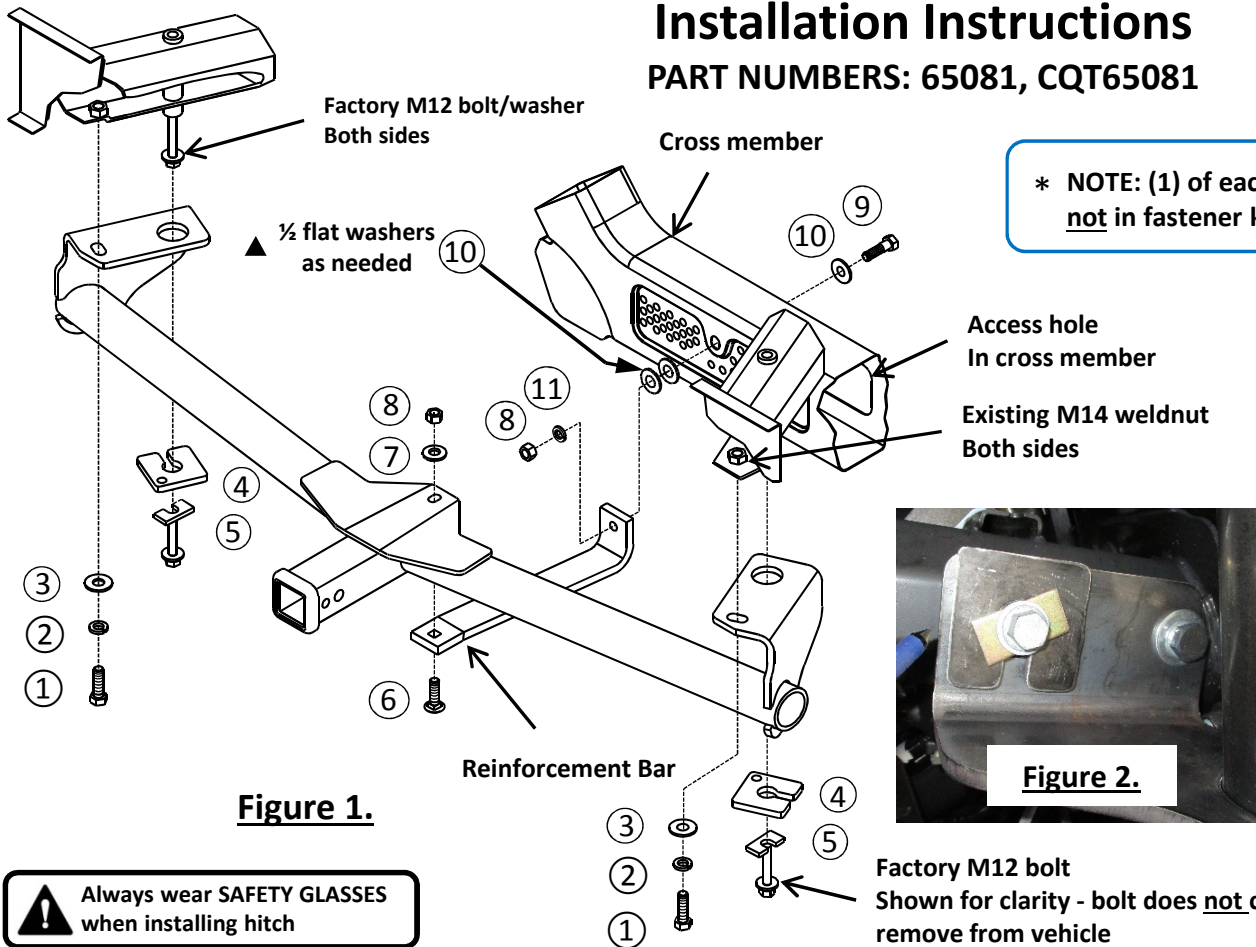


Hitch Illustration

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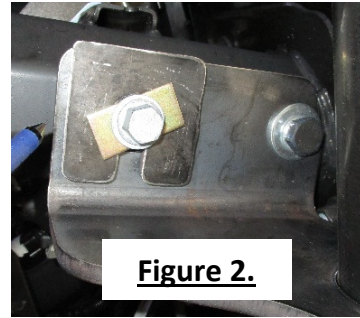
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Fastener Kit: 65081F



**Figure 1.**

①	Qty. (2)	Bolt M14-2.00 x 45 CL10.9	
②	Qty. (2)	Lock washer 9/16"	
③	Qty. (2)	Flat washer 9/16"	
④	Qty. (2)	Special block 3/8" x 3" x 3" Part no. 128459	
⑤	Qty. (2)	U-shaped block 1/4" x 1.0" x 2.0" Part no. 5994	
* ⑥	Qty. (1)	Carriage bolt 1/2-13 x 1.75 Gr5	
* ⑦	Qty. (1)	Conical washer 1/2 Part no. 01292008	
* ⑧	Qty. (2)	Hex Nut 1/2-13 Gr5	
⑨	Qty. (1)	Hex bolt 1/2-13 x 1.75 Gr5	
▲ ⑩	Qty. (4)	Flat washer 1/2"	
⑪	Qty. (1)	Lock washer 1/2"	



**Figure 2.**

Factory M12 bolt  
Shown for clarity - bolt does not completely  
remove from vehicle



Conical Washer  
Teeth side  
Against hitch

Fasteners  
typical  
both sides

**Always wear SAFETY GLASSES  
when installing hitch**

**NOTE: Requires trimming of lower air dam for hitch installation. Obtain owner permission before trimming.**

**NOTE: Does NOT fit vehicles equipped with factory tow hooks.**

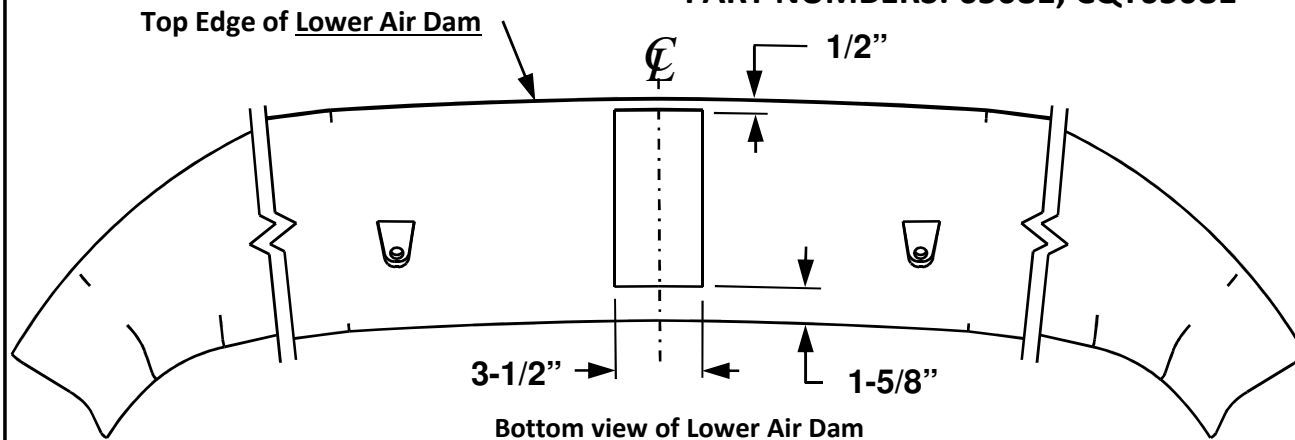
- IF PRESENT: Remove Splitter** – using a 13mm deep well socket, remove (4) hex nuts from splitter, (2) per side. Using a flat screw driver, disconnect the wiring from the splitter and set aside. See Figure 5.
- Remove plastic air dam supports** - using a 10mm socket and a flat screw driver, remove (1) bolt, (2) plastic rivets, and (1) wire loom from (2) plastic air dam supports located behind air dam.
- Remove lower air dam** – using a 10mm deep well socket, remove (18) hex nuts holding lower air dam to front bumper. **NOTE:** Use a utility knife or tin snips to cut (3) plastic retaining clips and remove lower air dam.
- Unfasten plastic wheel well** – using an 8mm socket, loosen (2) screws holding plastic wheel well enough to slide wheel well over the bolt washers, both sides.
- Remove reinforcement bar** from hitch. \* Save carriage bolt, conical washer, and hex nut to attach reinforcement bar at a later step.
- Install hitch** - Raise hitch into position and loosely install (2) M14 hex bolts, 9/16 lock washers, and 9/16 flat washers into existing weld nuts in bottom of frame, (1) per side. Using an 18mm socket loosen the factory M12 bolt/washer, enough to fit special block (item 4) around bolt and round tube protruding from bottom of frame. Install special block flush against hitch bracket and U-shaped block fully seated against factory M12 bolt/washer, both sides. Tighten M12 bolts enough to hold both blocks in position until fully tightened to specifications. See Figures 1 and 2.
- Tighten all M12 CL10.9 factory bolts with torque wrench to 75 Lb.-Ft. (102 N\*M).**
- Tighten all M14 CL10.9 fasteners with torque wrench to 115 Lb.-Ft. (156 N\*M).**



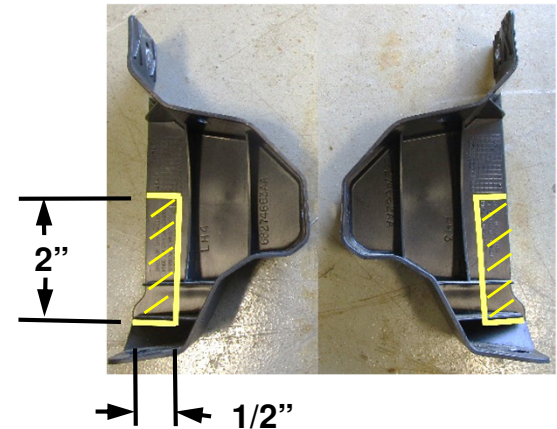
Proper torque is needed to keep the hitch secure to the vehicle when towing.

# Installation Instructions

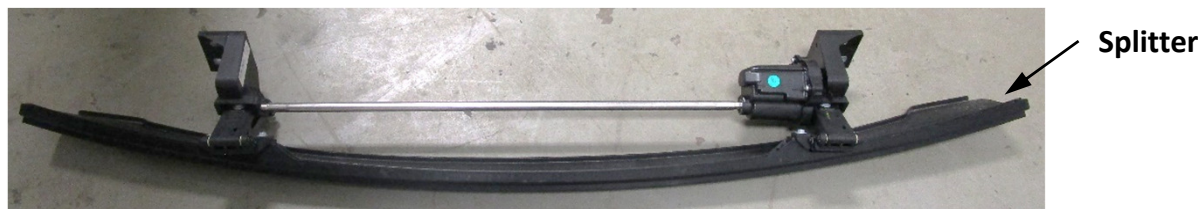
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**Figure 3.**



**Figure 4.**



**Figure 5.**

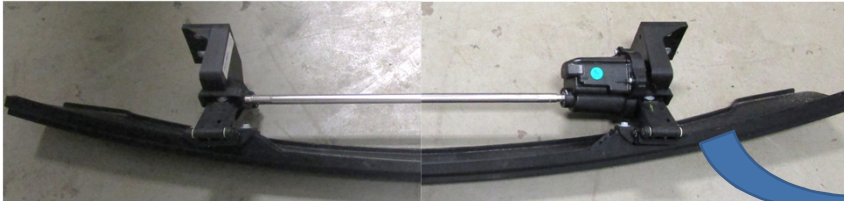
9. **Trim lower air dam** – using a tape measure, marker, and utility knife, find the center of the lower air dam and cut a rectangular hole in air dam as shown in **Figure 3**.
10. **Reinstall lower air dam** – reinstall the lower air dam using original (18) hex nuts removed in step 3.
11. **Trim plastic air dam supports (Optional)** - using a tape measure, marker, and utility knife, trim the plastic air dam supports as shown in **Figure 4**.
12. **If trimmed**, reinstall air dam supports using original fasteners or return supports and fasteners to vehicle owner.
13. **Reinstall Splitter** – *if equipped*, reinstall the splitter using (4) existing hex nuts (2 per side) and reconnect (1) electrical plug.
14. **Install reinforcement bar** - raise reinforcement bar into position with forward end of bar against bottom of hitch plate. Install the ½-13 x 1.75 hex bolt with ½ flat washer through large access hole in vehicle cross member and attach the 1/2 lock washer and ½-13 hex nut onto the hex bolt. Use a 3/4" end wrench inside cross member to hold hex bolt when tightening. Install the ½-13 x 1.75 carriage bolt vertically through bar and hitch top plate and attach the 1/2 conical toothed washer and ½-13 hex nut to carriage bolt. **See Figure 1**.
- NOTE: If necessary, add 1/2 flat washers between reinforcement bar and crossmember to fill a gap (3 provided). See Figure 1.**
15. **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.**
16. **Secure plastic wheel well** – using an 8mm socket, secure plastic wheel well with (2) existing screws and tighten until snug, both sides.

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.

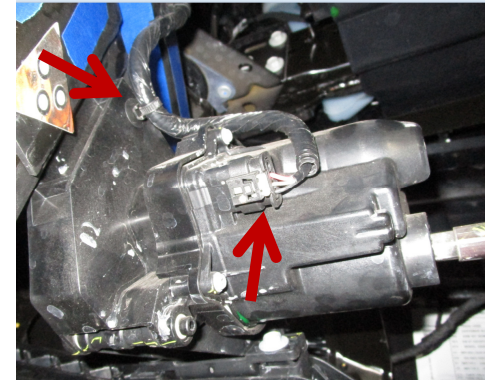
**NOTE:** Requires trimming of lower air dam for hitch installation. Obtain owner permission before trimming.

**NOTE:** Does NOT fit vehicles equipped with factory tow hooks.

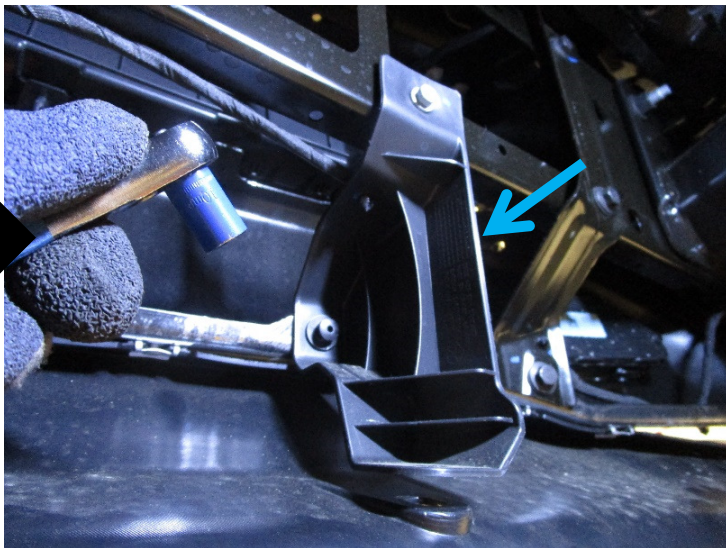
1. **IF PRESENT:** Remove Splitter – using a 13mm deep well socket, remove (4) hex nuts from splitter, (2) per side. Using a flat screw driver, disconnect the wiring from the splitter and set aside.



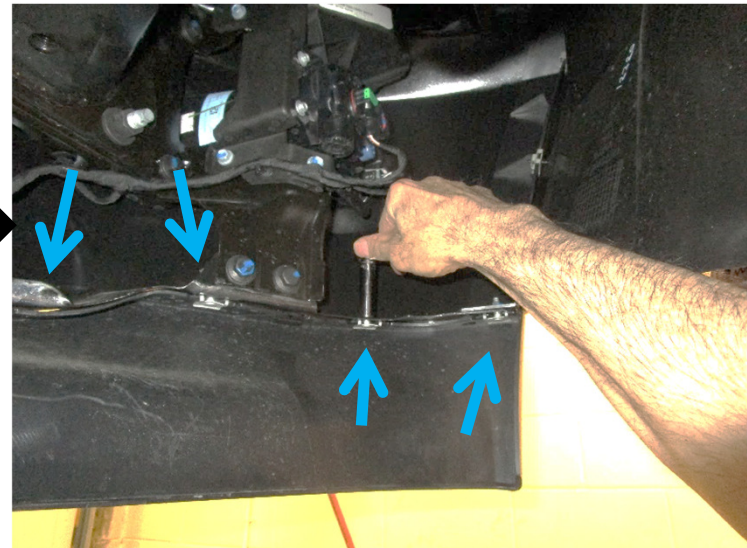
**Splitter**



2. Remove plastic air dam supports - using a 10mm socket and a flat screw driver, remove (1) bolt, (2) plastic rivets, and (1) wire loom from air dam supports located behind air dam, both sides.



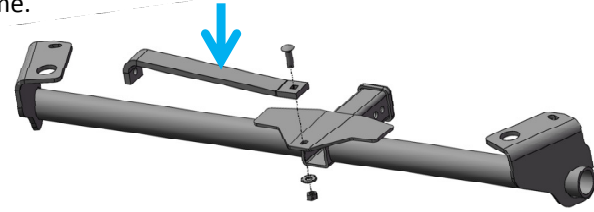
3. Remove lower air dam – using a 10mm deep well socket, remove (18) hex nuts holding lower air dam to front bumper. **NOTE:** Use a utility knife or tin snips to cut (3) plastic retaining clips and remove lower air dam.



- 4. Unfasten plastic wheel well** – using an 8mm socket, loosen (2) screws holding plastic wheel well enough to slide wheel well over the bolt washers, both sides.



- 5. Remove reinforcement bar** from hitch. \* Save carriage bolt, conical washer, and hex nut to attach bar at a later step.
- 6. Install hitch** - Raise hitch into position and loosely install (2) M14 hex bolts, 9/16 lock washers, and 9/16 flat washers into existing weld nuts in bottom of frame.



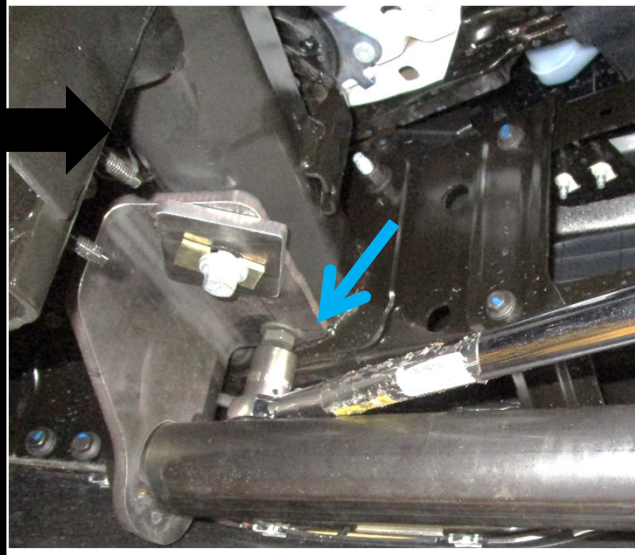
- 6. Install hitch continued** - Using an 18mm socket loosen the factory M12 bolt/washer, enough to fit special block (item 4) around bolt and round tube protruding from bottom of frame. Install special block flush against hitch bracket and U-shaped block fully seated against factory M12 bolt/washer, both sides. Tighten M12 bolts enough to hold both blocks in position until fully tightened to specifications. **See Figures 1 and 2.**



7. Tighten all M12 CL10.9 factory bolts with torque wrench to 75 Lb.-Ft. (102 N\*M).
8. Tighten all M14 CL10.9 fasteners with torque wrench to 115 Lb.-Ft. (156 N\*M).

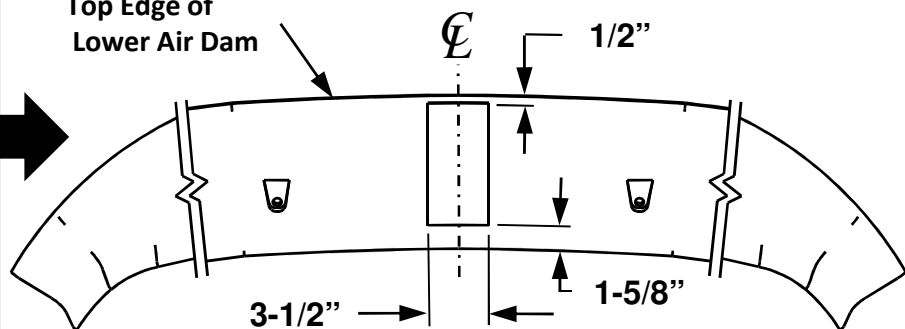


Proper torque is needed to keep the hitch secure to the vehicle when towing.



9. Trim **lower air dam** – using a tape measure, marker, and utility knife, find the center of the lower air dam and cut a rectangular hole in air dam as shown in **Figure 3**.

Top Edge of Lower Air Dam



Bottom view of Lower Air Dam

Figure 3.

10. Reinstall **lower air dam** – reinstall the **lower air dam** using original (18) hex nuts removed in step 3.



11. Trim plastic air dam supports (Optional) - using a tape measure, a marker, and a utility knife, trim the plastic air dam supports as shown in Figure 4.  
12. If trimmed, reinstall air dam supports using original hardware or return supports and fasteners to vehicle owner.

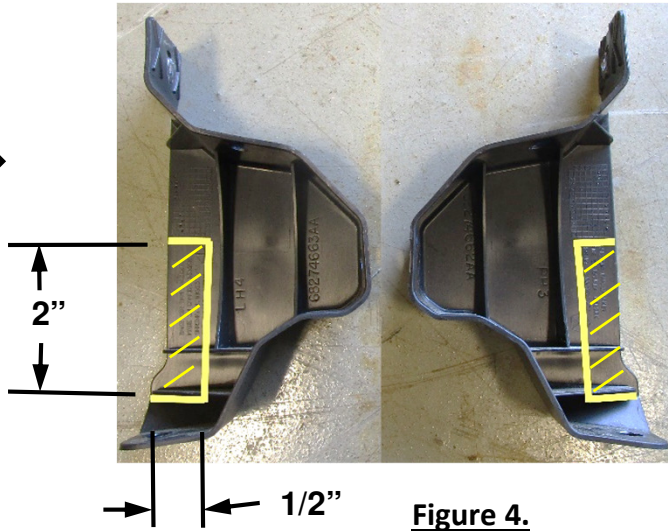
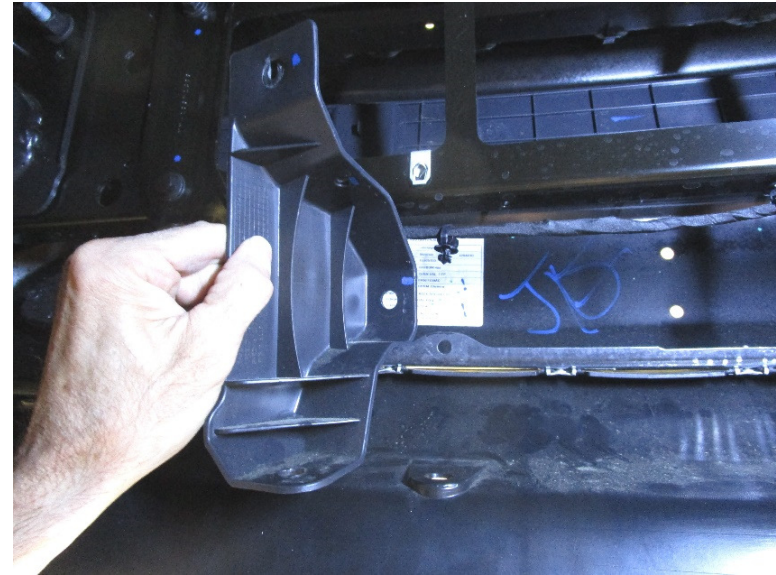
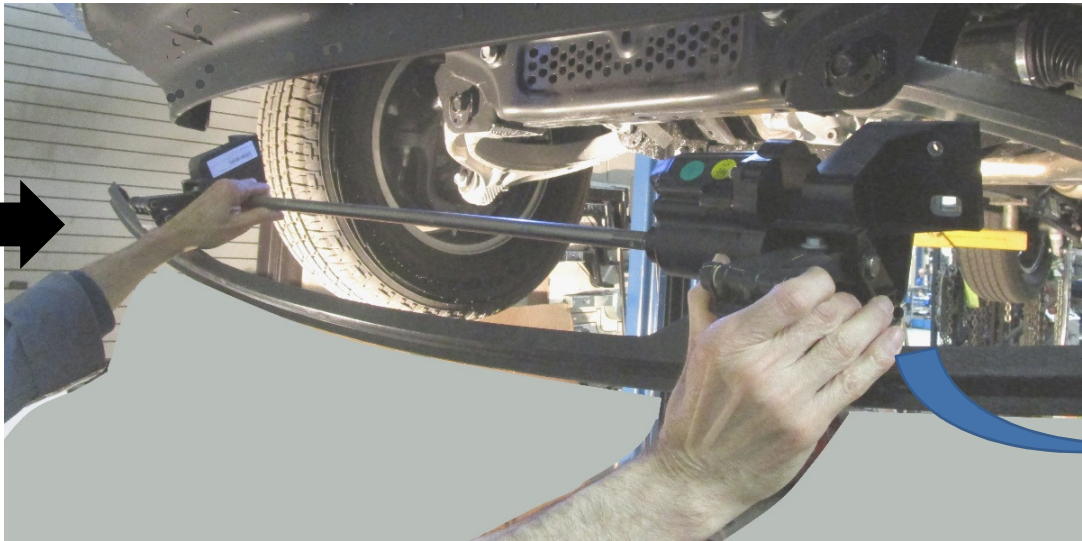


Figure 4.



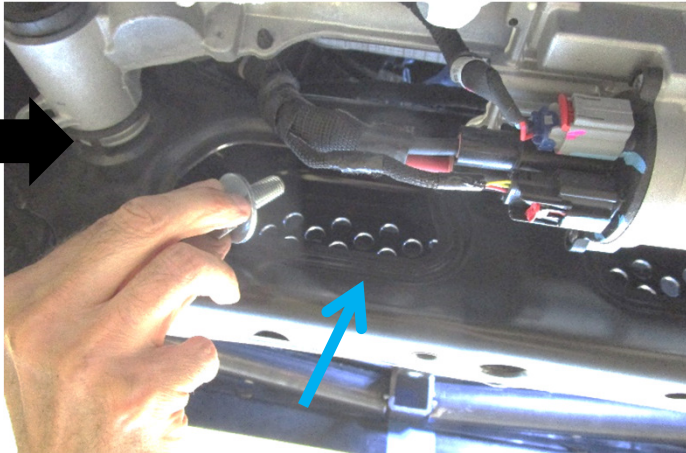
13. Reinstall Splitter – if equipped, reinstall the splitter using (4) existing hex nuts and reconnect (1) electrical plug.





**14. Install reinforcement bar** - raise reinforcement bar into position with forward end of bar against bottom of hitch plate. Install the ½-13 x 1.75 hex bolt with ½ flat washer through large access hole in vehicle cross member and attach the 1/2 lock washer and ½-13 hex nut onto the hex bolt. Use a 3/4" end wrench inside cross member to hold hex bolt when tightening. Install the ½-13 x 1.75 carriage bolt vertically through bar and hitch top plate and attach the 1/2 conical toothed washer and ½-13 hex nut to carriage bolt. **See Figure 1.**

**NOTE:** If necessary, add 1/2 flat washers between reinforcement bar and crossmember to fill a gap (3 provided). See Figure 1.



**15. 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.**



**16. Secure plastic wheel well** – using an 8mm socket, secure plastic wheel well with (2) existing screws and tighten until snug, both sides.

