



# INSTALLATION INSTRUCTIONS

## 18K GEN III TRANS4MER BRACKET KIT

Part Number: 108001

Application: 2017-19, 2020+ Super Duty

### GENERAL SAFETY PRECAUTIONS

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

**CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.**

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. WARNING and CAUTION are signal words that identify the level of hazard. These signal words mean:

▲WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations. ▲CAUTION signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses NOTICE to call attention to important mechanical information, and Note: to emphasize general information worthy of special attention.

### ▲ WARNING

#### IMPACT AND MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death

- **Always** take time to fully read the Instructions and/or Operations Guide, and/or Basic Guide to Winching Techniques, in order to understand your winch and its operations.
- **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** use extreme caution when cutting and trimming during fitting.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables:
  - o Across any sharp edges.
  - o Through or near moving parts.
  - o Near parts that become hot.
- **Always** insulate and protect all exposed wiring and electrical terminals.
- **Always** install terminal boots as directed in installation instructions.
- **Always** use appropriate and adequate care in lifting components into place.
- **Always** insure components will remain secure during installation and operation.
- **Always** tighten all nuts and bolts securely, per the installation instructions.
- **Always** perform regular inspections and maintenance on the plow mechanism, fasteners, cable and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.

Read installation and operating instructions thoroughly.

WARN INDUSTRIES, INC. 12900 S.E. Capps Road,  
Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000  
Customer Service: 1-800-543-9276  
Dealer Locator Service: 1-800-910-1122  
International Fax: 1-503-722-3005

## ⚠ CAUTION

### MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury

- **Always** take time to fully read and understand the installation and Operations Guide included with this product.
- **Never** operate this product if you are under 16 years of age.
- **Never** operate this product when under the influence of drugs, alcohol or medications.

Read installation and operating instructions thoroughly.

## NOTICE

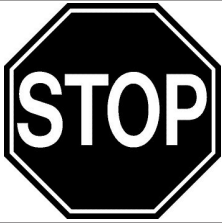
### EQUIPMENT DAMAGE

- **Never** tow vehicle by attaching a tow bar to the eyelets on the bumper.
- **Never** attach tow bars directly to the bumper. Damage to bumper may occur. WARN bumpers are not designed to be used for flat towing. Consult with the manufacturer of your tow bar system for the proper vehicle tow bar brackets.

Read installation and operating instructions thoroughly.

## BEFORE YOU BEGIN

## NOTICE



This product may interfere with driver assist systems such as adaptive cruise control and parking assist systems that have sensors or cameras installed in the bumpers or front grill area. If your vehicle is equipped with any of these systems or features, consult your vehicle owner's manual before installing this product. These systems may need to be disabled as a result of installing this product.

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## TOOLS REQUIRED

- Standard wrenches
- Standard sockets

## TORQUE SPECIFICATIONS

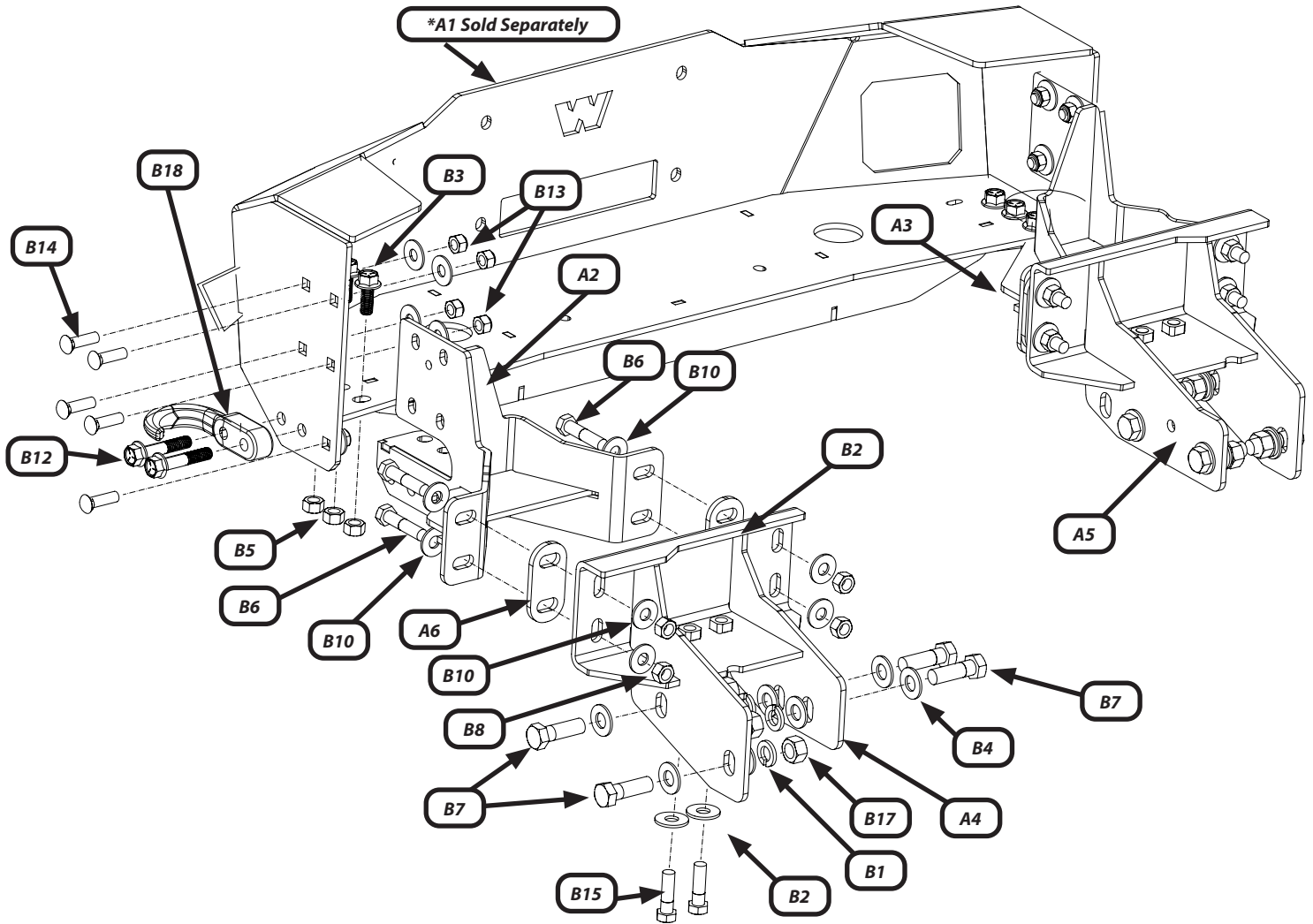
Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

FASTENER SIZE	FASTENER TORQUE		FASTENER SIZE	FASTENER TORQUE	
	lb-ft	(N.m)		lb-ft	(N.m)
1/4"	8	(11)	M4	(2)	3
5/16"	17	(23)	M5	(4.5)	6
3/8"	30	(40)	M6	(7.5)	10
7/16"	48	(66)	M8	(18)	25
1/2"	74	(100)	M10	(37)	50
9/16"	106	(144)			
5/8"	148	(200)			
3/4"	269	(364)			

# PARTS LIST

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
<b>A1</b>	*	<b>CARRIER</b>	-	B1	6820	5/8 SPRING LOCK WASHER	8
A2	102819	LH FRONT MOUNTING BRACKET	1	B2	1145	1/2 WASHER	4
A3	102820	RH FRONT MOUNTING BRACKET	1	B3	102835	1/2-13x1.5 FLANGE HEX BOLT	6
A4	98044	LH FRAME BRACKET	1	B4	68959	5/8 NARROW WASHER	16
A5	98045	RH FRAME BRACKET	1	B5	29060	1/2-13 LOCKING HEX Nut	10
A6	98047	SPACER	4	B6	18120	1/2-13 x 2-1/4 HEX HEAD CAPSCREW	8
				B7	7163	5/8-11 x 2 HEX HEAD CAPSCREW	8
				B8	18112	HEX NUT 1/2-13	8
				B10	66498	WASHER	16
				B12	102836	1/2-13x2.5 FLANGE HEX BOLT	4
				B13	710123	7/16-14 LOCKING HEX NUT	10
				B14	11124	7/16-14x1.5 CARRIAGE HEAD BOLT	10
				B15	22535	1/2-13 x 1-3/4 HEX HEAD CAPSCREW	4
				B17	6821	5/8-11 HEX NUT	8
				B18	13222	TOW HOOK	2

\* Sold separately



# INSTALLATION INSTRUCTIONS

1. Remove license plate.
2. Remove the two plastic shrouds covering the bumper bolts.
3. Remove the eight bolts.

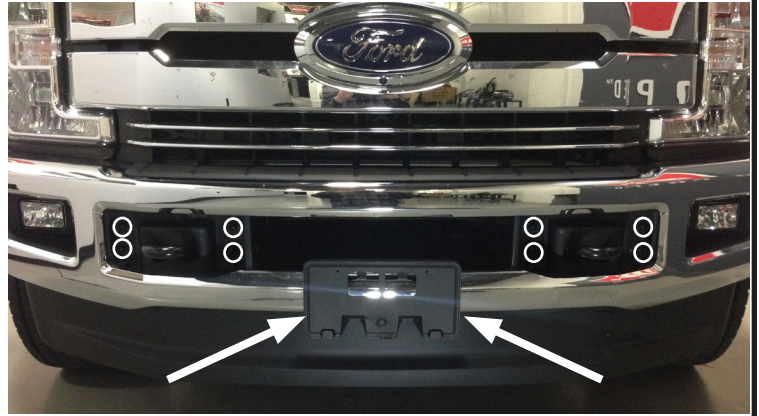


Figure 1

4. If equipped, unplug block heater harness, located behind the passenger fender well splash shield.
5. Unclip the connector from the frame rail and move aside.

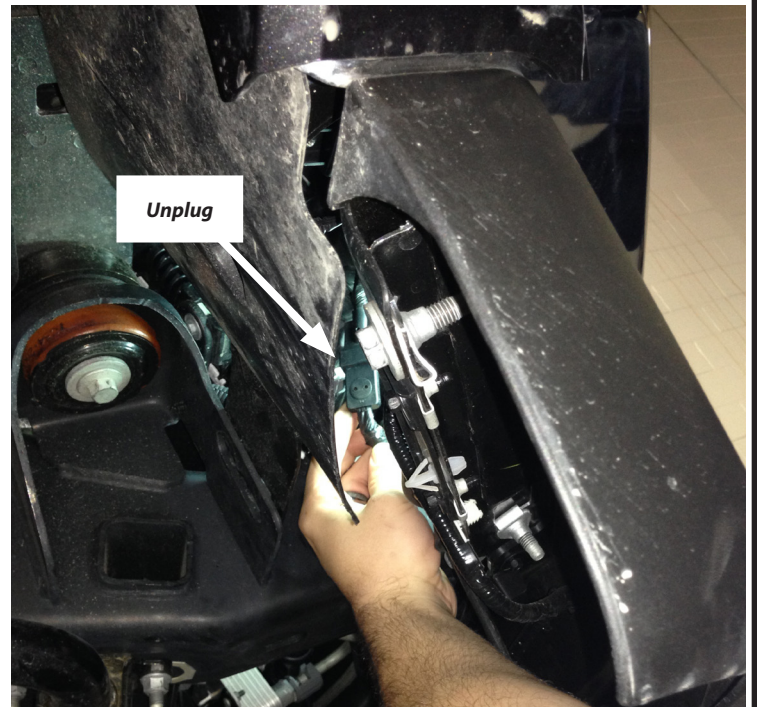


Figure 2

6. Unplug fog lamp harness connector located on the driver's side frame rail.

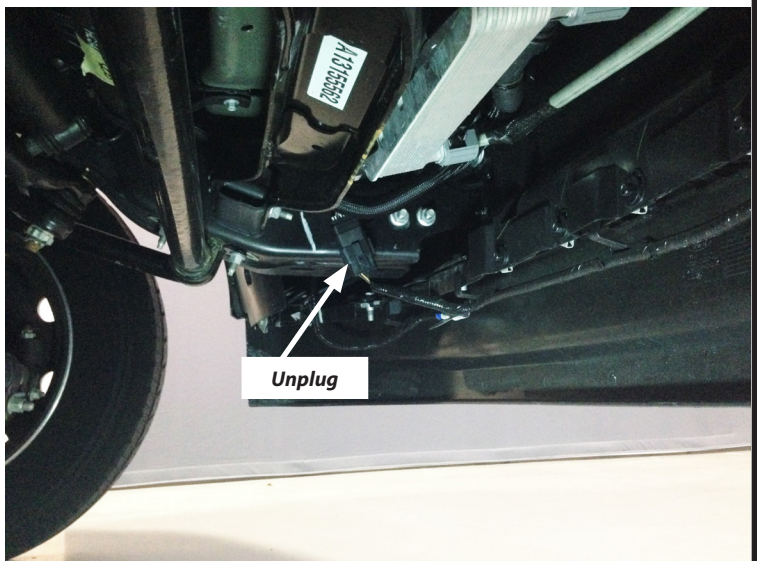


Figure 3

# INSTALLATION INSTRUCTIONS

7. Remove the two bumper brace bolts from frame.  
Repeat for other side.

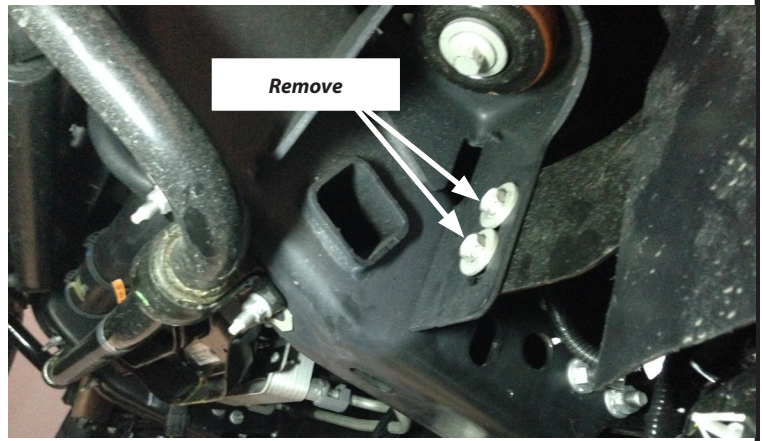


Figure 4

## CAUTION

- Always use assistance when moving or lifting heavy parts.

8. With assistance, remove stock bumper.



Figure 5

9. Remove the eight tow hook bolts.
10. Remove tow hooks.



Figure 6

11. If equipped, remove the four under-ride bar stud-plates (two each side) and nuts.

12. Unclip and move aside fog light connector.

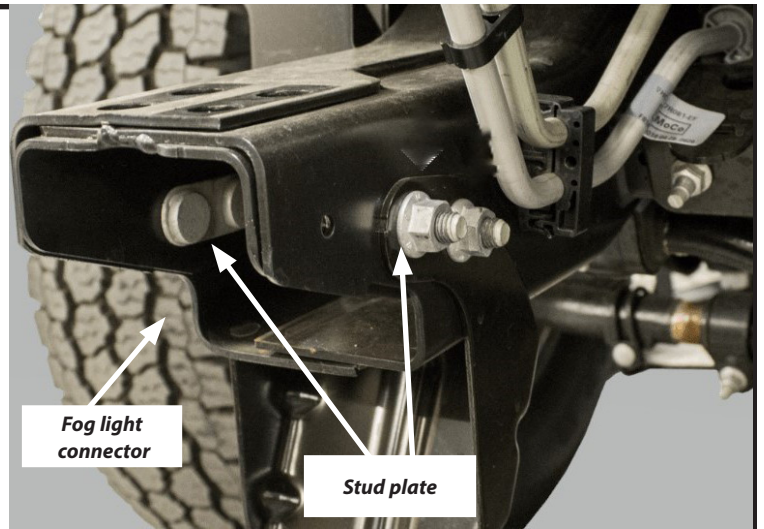


Figure 7

13. Install Frame Brackets left (A4) and right (A5).

- a. Slide frame brackets over the vehicle frame rail.
- b. Line up the frame bracket's top mounting holes with the rear most holes (factory tow hook mounting holes) in the vehicle frame rail. *TIP: The frame bracket face will sit behind the first set of frame rail mounting holes. See Figure 8.*

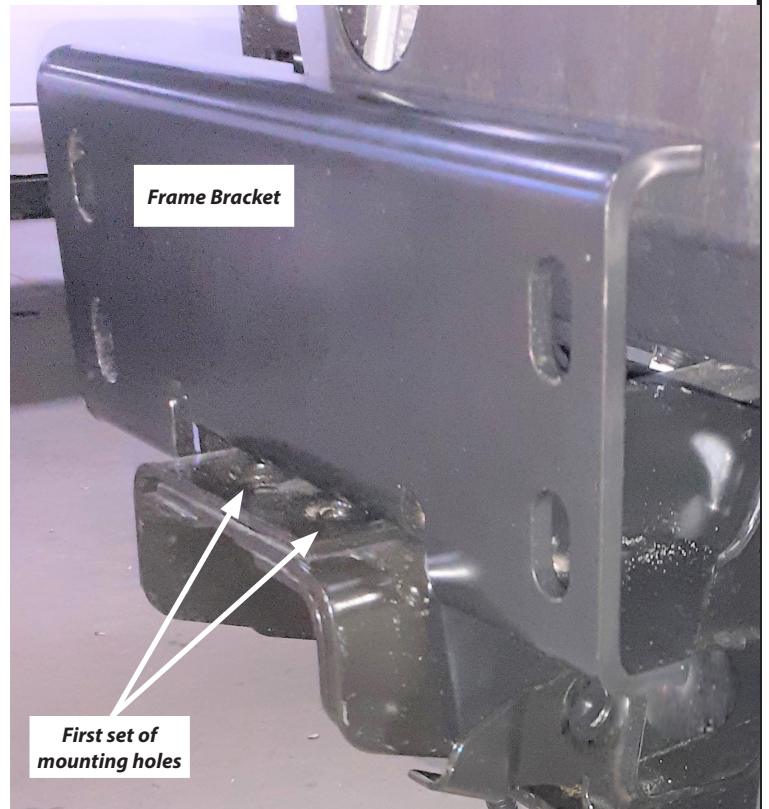


Figure 8

- c. Install two 1/2-13 X 1-3/4" bolts (B15) and washers (B2) up through vehicle frame rail and into frame bracket (each side).

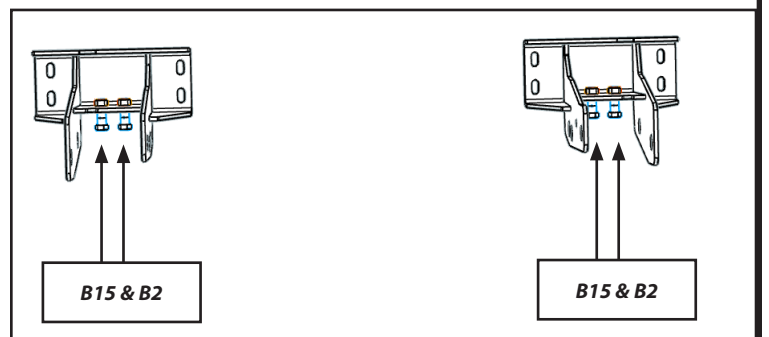
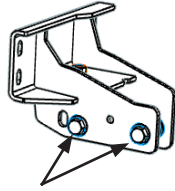


Figure 9

- d. Install 5/8-11 bolts (B7), washers (B4) mounting holes (two on each side) of the brackets and into the vehicle frame. **NOTE: On the inner side of the bracket, you will insert the hardware through the second and third mounting holes, leaving the first hole empty for models with an extra cooler. For vehicles with an extra cooler see note below.**



**NOTE:** It may be necessary to lightly tap the frame bracket into place. Be very careful not to damage any vehicle parts while installing the brackets.

- e. Secure each bolt with one washer (B4), lock washer (B1), and nut (B17).

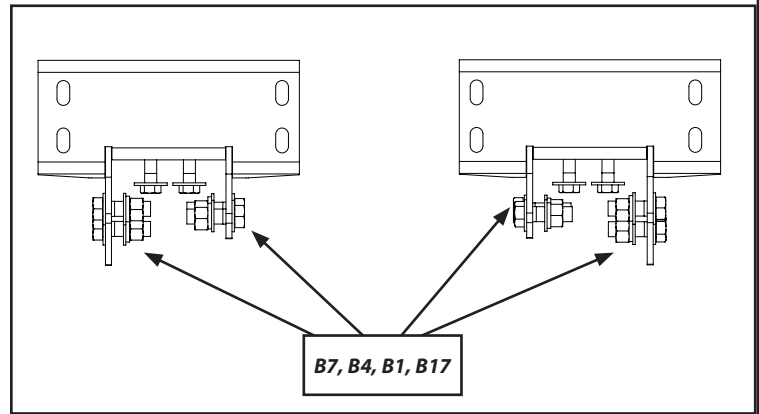
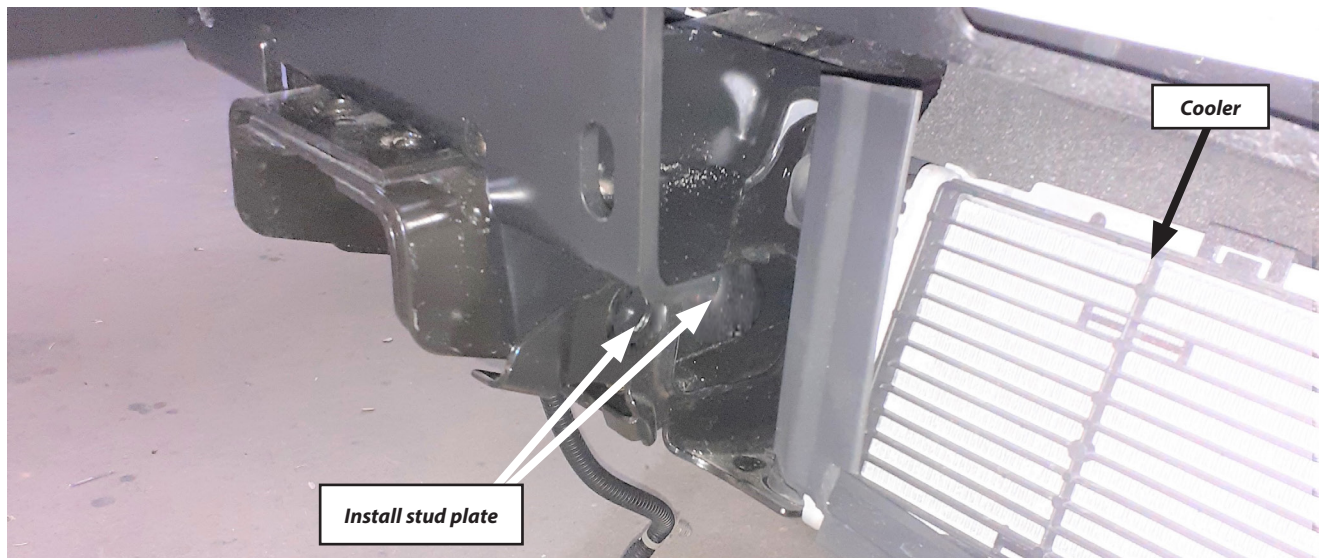
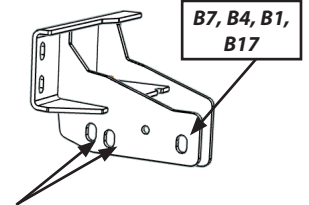


Figure 10

**NOTE:** For vehicles with an extra cooler, you will use a factory stud plate (removed in step 12) and nuts on the front inside 1st and 2nd mounting holes to mount the cooler to bracket and vehicle frame and one 5/8 bolt, washer, lockwasher and nut in the 3rd mounting hole of the frame bracket and vehicle frame.



**NOTE:** Hoses are close to the brackets so take care as to not damage, kink, or pinch the hoses during installation.

14. Torque all hardware to specifications on page 2.
15. Plug air conditioning hose/unit into the inner side of the passenger bracket.

**NOTE:** Protect any tubes and wires near brackets from rubbing on brackets or fasteners.

16. Reinstall bumper with the two factory bolts (both sides).

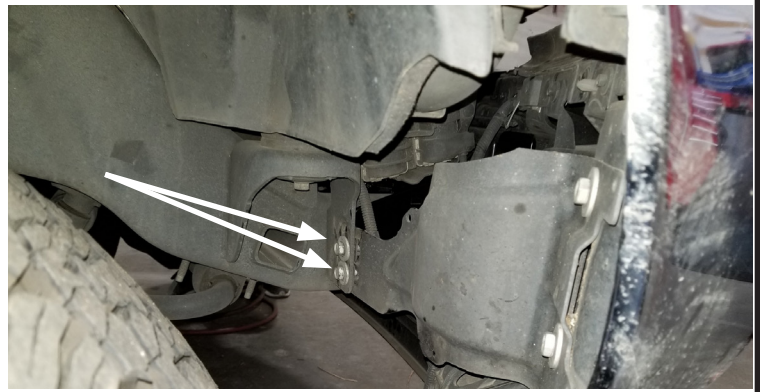


Figure 11

17. To help with installation, pre install one bolt (B6), one washer (B10) through top mounting hole of each front mounting bracket.

18. Add one spacer (A6) at the end of each bolt.

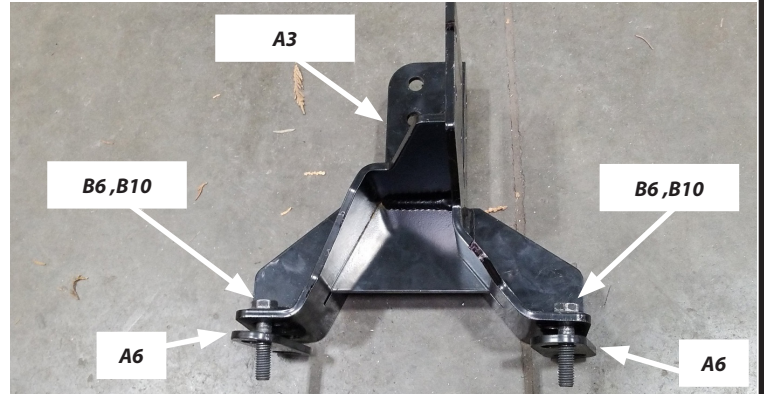


Figure 12

19. Install front mounting bracket (*careful as to not drop bolts, washers and spacers*) through bumper and secure to frame bracket. From behind, secure with two washers (B10) and nuts (B8).

20. Repeat for other side.



Figure 13

21. Finish front mounting bracket install by installing the bottom mounting hole hardware (bolts (B6), washers (B10) and nuts (B8)).

22. Repeat for other side.

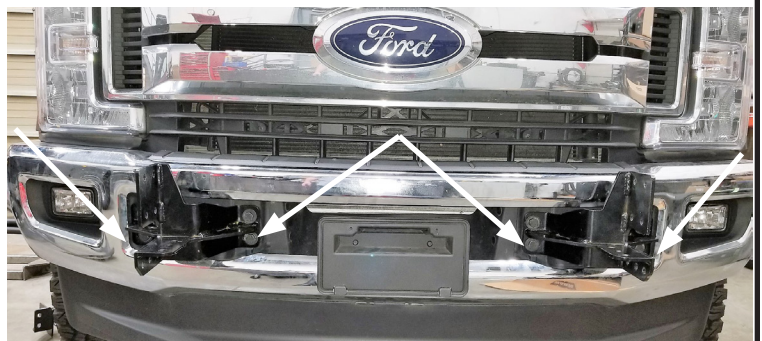


Figure 14

23. With help, install carrier. Secure to front mounting brackets with five bolts (B14) and flange nuts (B13).

24. Repeat for other side.

25. Install tow hooks (B18) with two flange bolts (B12) and nuts (B8).

26. Repeat for other side.

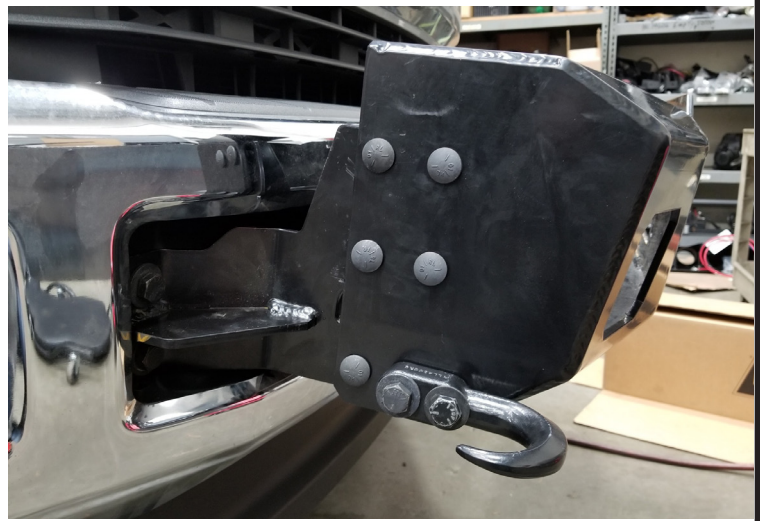


Figure 15

27. From above carrier, install three flange bolts (B3) and nuts (B5).

28. Repeat for other side.



Figure 16

29. Reconnect any disconnected wiring.

30. Double check that all mounting hardware for the frame brackets and bumper are at their proper torque or the factory torque.

31. Install license plate to carrier using stock hardware.

32. Installation is now complete.



Figure 17

## MAINTENANCE / CARE

1. Inspect all parts on the winch, winch mount, and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all cables prior to use. Replace cables that look worn or frayed.
4. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.