



INSTALLATION INSTRUCTIONS

ASCENT FRONT BUMPER

Part Number: 110759 AND 110760

Application: 2023 Ford 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** Know Your Winch. 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.
- **Never** work under vehicle before properly securing vehicle.
- **Always** use appropriate and adequate care in lifting components into place.
- **Never** work under vehicle before properly securing vehicle.
- **Always** use appropriate and adequate care in lifting components into place.
- **Never** use a jack to support the vehicle.
- **Always** use jack stands in pairs to support the vehicle.
- **Always** use jacks or jack stands only on a hard, stable, and level surface.
- **Never** exceed the rated capacity of a jack or jack stands.
- **Always** verify that the parking brake is set, the transmission is in park (automatic) or reverse (manual) and the rear wheels are blocked before working on vehicle.
- **Never** work under vehicle before properly securing vehicle.
- **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 and operation.
- **Always** perform regular inspections and maintenance on the winch, winch mount and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.
- **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** use extreme caution when cutting and trimming during fitting.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables across any sharp edge, through or near moving parts, near parts that become hot.

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 Sales/Customer Service: 1-503-722-3008
International Fax: 1-503-722-3005

⚠ CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

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

- Part edges may be sharp!
- Always use proper posture / lifting technique or get lifting assistance while handling and installing product.

Read installation and operating instructions thoroughly.

NOTICE

EQUIPMENT DAMAGE

- **Never** tow vehicle by attaching a tow bar to the eyelets on the bumper.
- Do not 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



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.

TOOLS REQUIRED

- PANEL PRY TOOL
- TAPE MEASURE
- SILVER MARKER
- DRILL
- 5/16" DRILL BIT
- E6 TORX SOCKET
- 1/8" ALLEN WRENCH
- 8MM SOCKET WRENCH
- 11MM SOCKET WRENCH
- 15MM SOCKET WRENCH
- 18MM SOCKET WRENCH
- 7/16" SOCKET WRENCH
- 7/16" COMBINATION WRENCH
- 3/4" COMBINATION WRENCH
- 3/4" DEEP SOCKET WRENCH

TORQUE SPECIFICATIONS

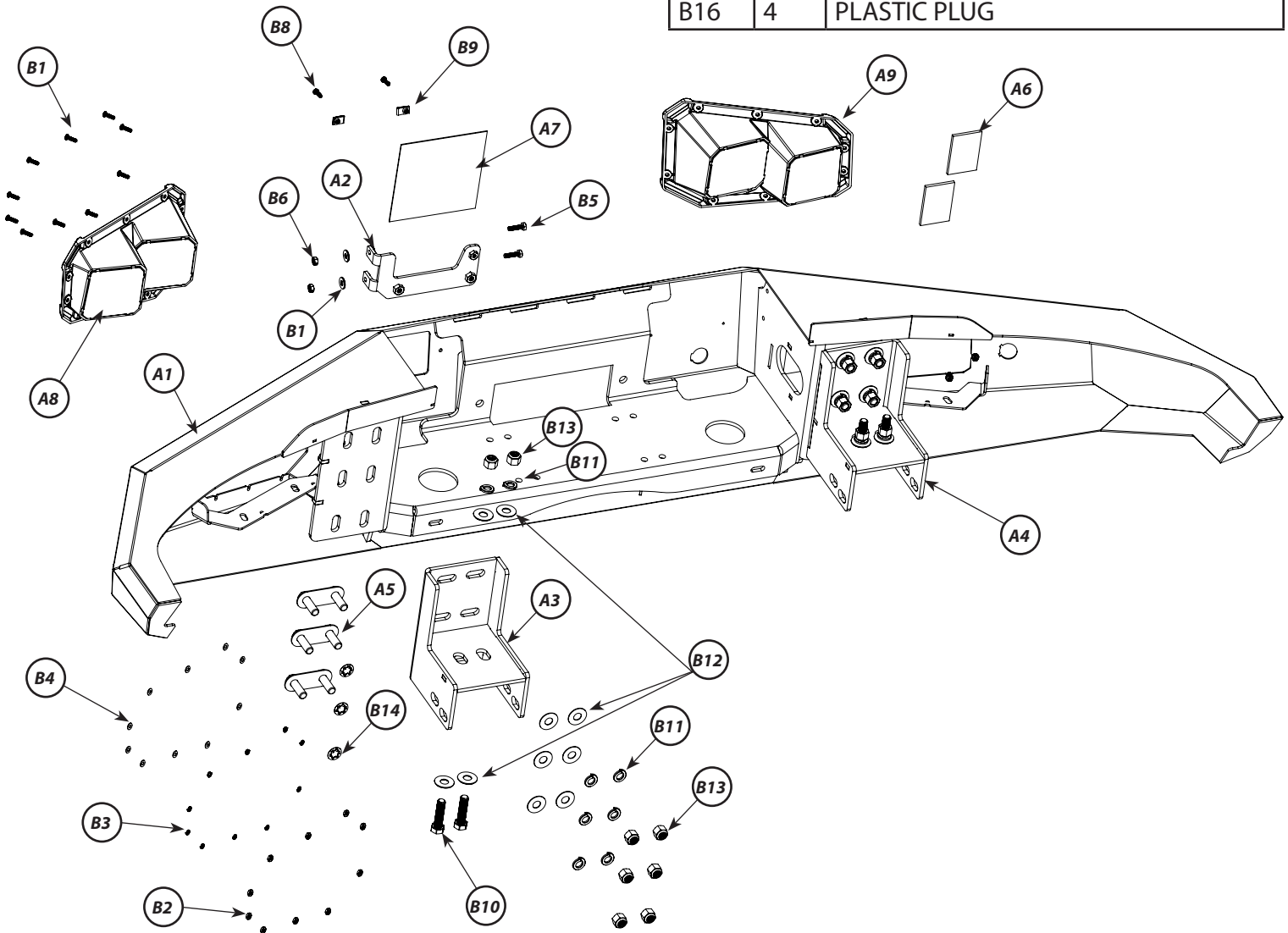
Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

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	Qty	Name
A1	1	BUMPER
A2	1	ACC SENSOR MOUNT
A3	1	LH FRAME MOUNT
A4	1	RH FRAME MOUNT
A5	6	1/2" BOLT STRIP
A6	2	EPOXY
A7	1	ACC FILLER PANEL
A8	1	WARN LH LIGHT PORT
A9	1	WARN RH LIGHT PORT

Item	Qty	Name
B1	20	10-24 X 3/4" BOLT - SS
B2	20	10-24 NUT
B3	20	#10 LOCK WASHER
B4	20	#10 FLAT WASHER
B5	2	1/4"-20 X 1.00" BOLT
B6	2	1/4"-20 NUT
B7	4	1/4" FLAT WASHER
B8	2	10-24 X 3/4" BOLT - BLACK
B9	2	10-24 CLIP-ON NUT
B10	4	1/2"-13 x 2.00" BOLT
B11	16	1/2" LOCK WASHER
B12	20	1/2" FLAT WASHER
B13	16	1/2"-13 NUT
B14	6	1/2" BOLT RETAINER
B15	4	1-3/8" PLASTIC GROMMET
B16	4	PLASTIC PLUG



INSTALLATION INSTRUCTIONS

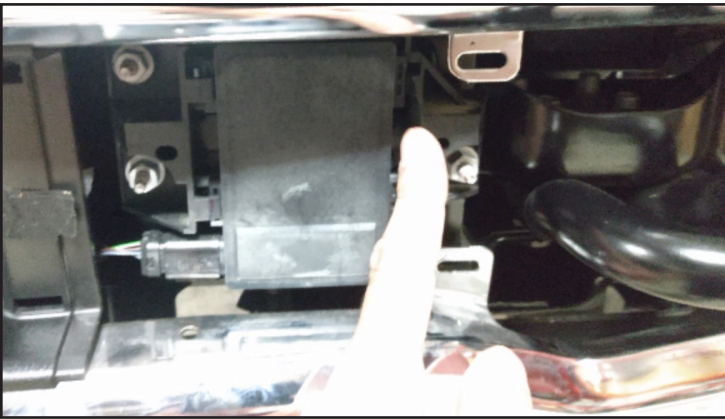
1. Remove the plastic tow hook covers by gently pulling on them to release the clips.



2. From the driver side frame rail, disconnect the bumper electrical harness.



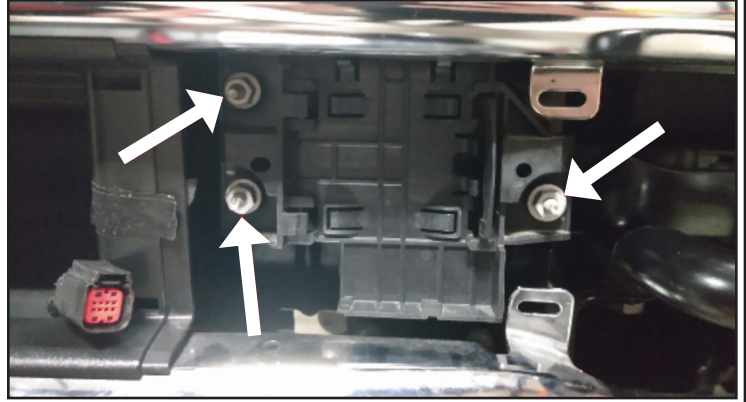
3. If applicable, remove the adaptive cruise control (ACC) sensor from its mounting bracket.



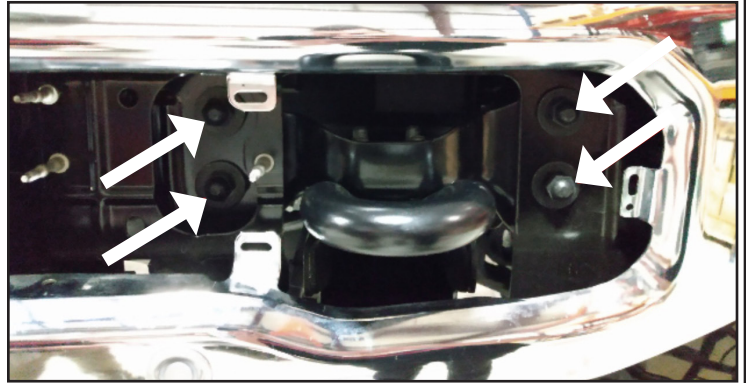
4. If applicable, disconnect the electrical connector from the ACC sensor.



5. Using an E6 torx socket remove the three studs that attach the ACC bracket to the vehicle.



6. Using an 18mm socket wrench, remove the four bolts that attach the bumper to the tow hook brackets (each side).



7. Using a 15mm socket wrench, remove the two bolts that attach the bumper reinforcement brackets to the frame (each side).

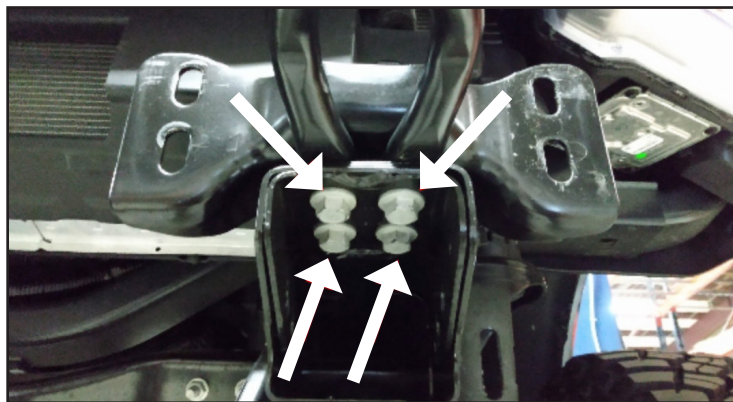


8. Using a body panel pry tool, remove the push pin attaching the shroud to the grille (each side). Remove bumper from the vehicle.

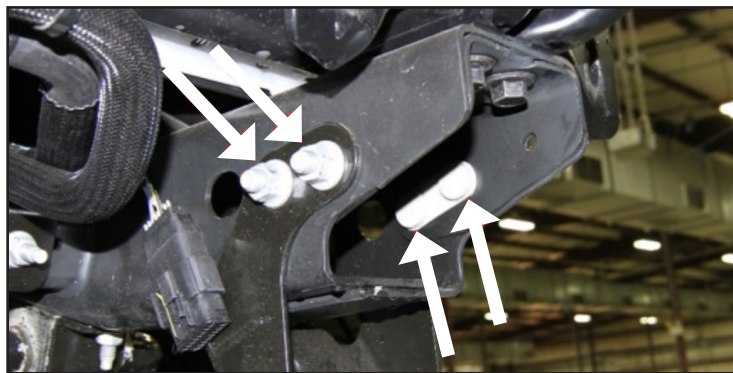


INSTALLATION INSTRUCTIONS

9. Using an 18mm socket wrench, remove the four bolts attaching the tow hook to the frame (each side). Remove the tow hooks.



10. Using an 18mm socket wrench, remove the four nuts attaching the underrun guards to the bottom of each frame rail (each side). Retain for later reinstall.



11. Using an 8mm socket wrench, remove the four screws in each fog light bracket to remove them from the bumper.

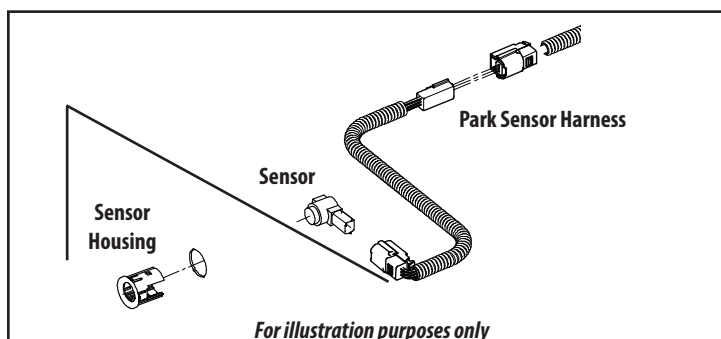


12. From the inside of the stock bumper, use a panel pry tool to remove the push pin clips.



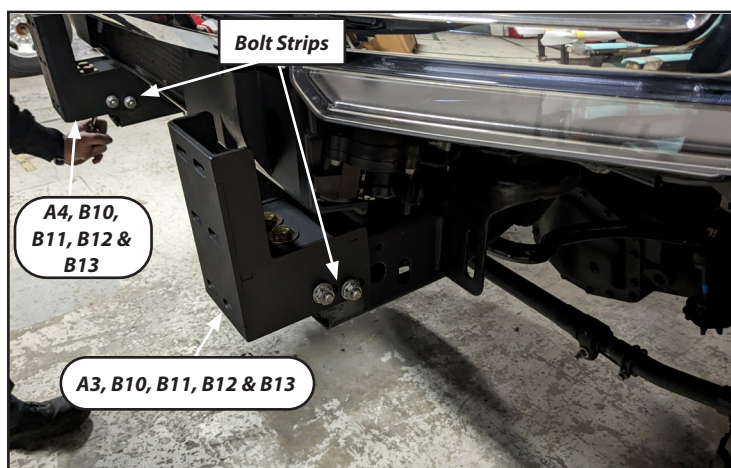
13. If equipped, remove the parking sensors from the housings. **NOTE: Be sure to mark the location (LH/RH, Inner/Outer) and orientation (Top/Bottom) of each sensor.** TIP: Numbering each sensor with tape and marking with a paint pen works well.

14. Remove the sensor housing from stock bumper. **NOTE: Be sure to mark the location (LH/RH, Inner/Outer) and orientation (Top/Bottom) of each sensor carriage.**



15. Install the left and right frame mounts (A3/A4) using two 1/2"-13 bolts (B10) four flat washers (B12), two lock washers (B11) and two nuts (B13). Refer to exploded view on page 3.

16. Reinstall underrun guard bolt strips that were removed in Step 10.



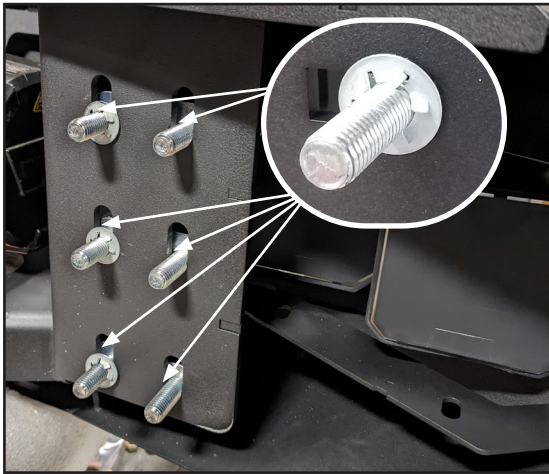
INSTALLATION INSTRUCTIONS

17. While holding light port (A8 or A9) in place, secure with ten stainless screws (B1), lock washers (B3), flat washers (B4) and nuts (B2). Repeat for other side. Review exploded view on page 3.



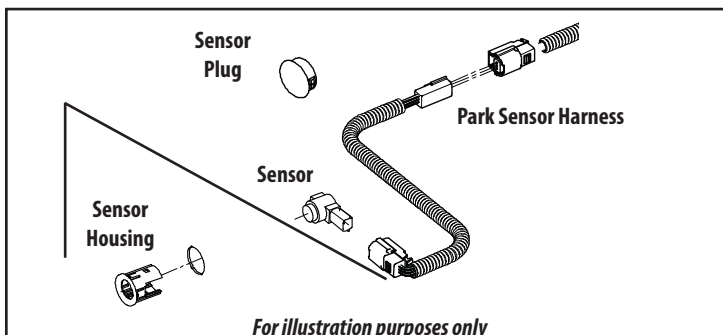
18. Install three 1/2" bolt strips (A5) into the inside of the bumper mounts and secure them in place using the bolt retainers (B14). Repeat for other side.

TIP: Using a 3/4" deep socket can assist in pushing the retainers flush against the mount.



19. If vehicle is equipped with parking sensors, reinstall the parking sensor housings and sensors into their respective locations and orientations.

If vehicle is not equipped with parking sensors, install the provided rubber grommets (B15) and plastic plugs (B16) into the cutouts.



20. Apply the provided epoxy on the inside of the bumper around the sensor housing to hold them in place.



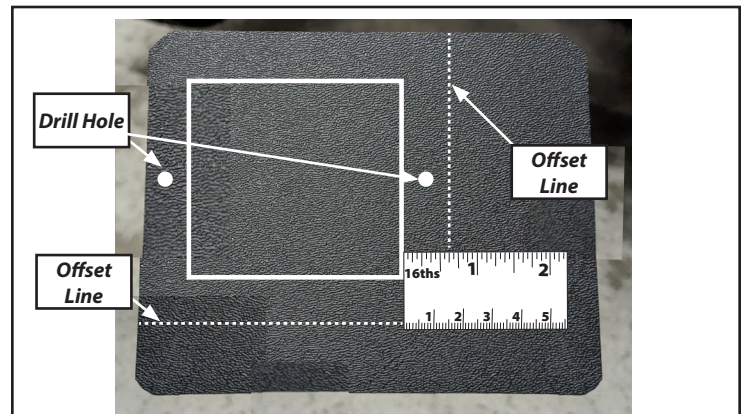
21. Find the protective filler panel (A7) for the ACC sensor. With the smooth side facing up against the bumper wall of the opening of the bumper, trace the bumper opening and mark the two screw holes.



22. Using a tab measure, mark an offset line to the previously marked line, by 5/8 inch.

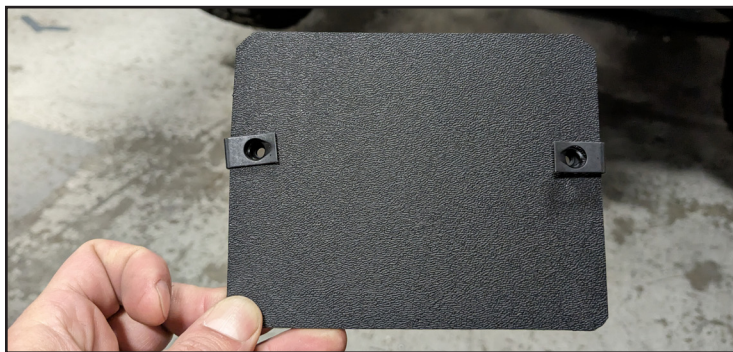
23. Using a knife, cut along the offset line.

24. Use a 5/16" drill bit to drill out the two marked holes in the panel.

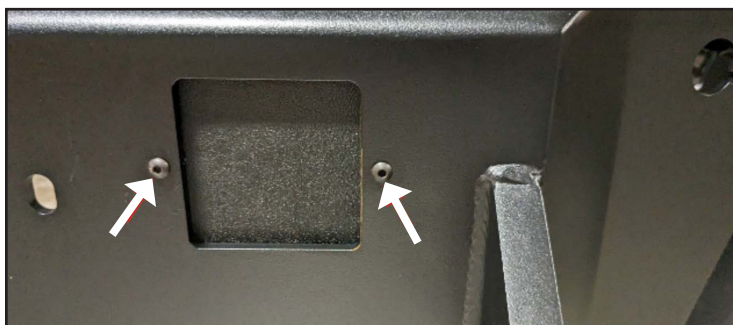


INSTALLATION INSTRUCTIONS

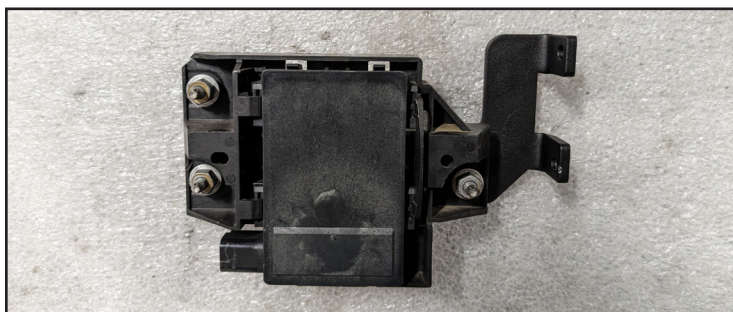
25. Place the clip nuts (B9) on the trimmed filler panel, aligning holes.



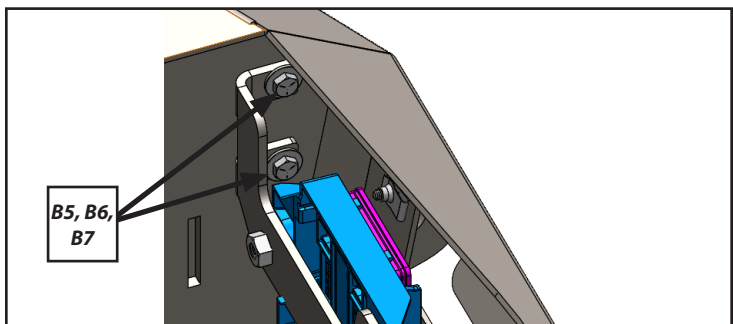
26. Install the ACC filler panel to the inside of the bumper using the two black 10-24 screws (B8).
NOTE: The ACC sensor can be adjusted for calibration after the bumper is installed by removing the filler panel to access the top stock stud.



27. Install the ACC sensor to the new ACC mount (A2) provided in this kit, using the factory ACC bolts.



28. Install ACC sensor mount to bumper using the 1/4"-20 bolts (B5), flat washers (B7) and nuts (B6).
NOTE: the OE bolts may interfere with the winch. If this is the case, slight trimming of the bolt length may be necessary to provided clearance.

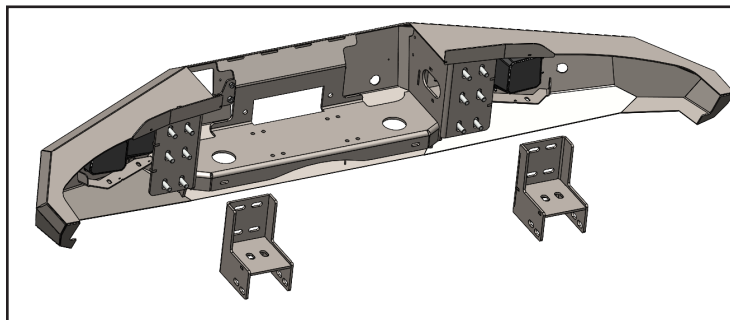


29. If installing a winch/fairlead, do so now following the winch manufacture's instructions provided with the winch.



CAUTION Always use assistance when moving or lifting heavy parts.

30. With assistance, lift the new bumper in position and slide the strip bolts into the mounting holes on each frame bracket.
31. Loosely secure the bumper with the 1/2"-13 nuts (B13) onto the bolts to hold the bumper in place.
32. Align the bumper into the correct position (center left and right), and then fully torque down the hardware. **TIP: Tighten the bolts into the truck frame first and then the nuts on the strip bolts.**



33. Reconnect **ALL** wiring harnesses.
34. Complete your winch wiring installation following your winch installation instructions.
35. Confirm all hardware is has been tightened to recommended torque.

Installation is now complete

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.

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.

