



INSTALLATION INSTRUCTIONS

Fully Hidden Front Bumper

Part Number: 112438

Application: 2024 Toyota Tacoma

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** 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.

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Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000
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⚠ 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.

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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.

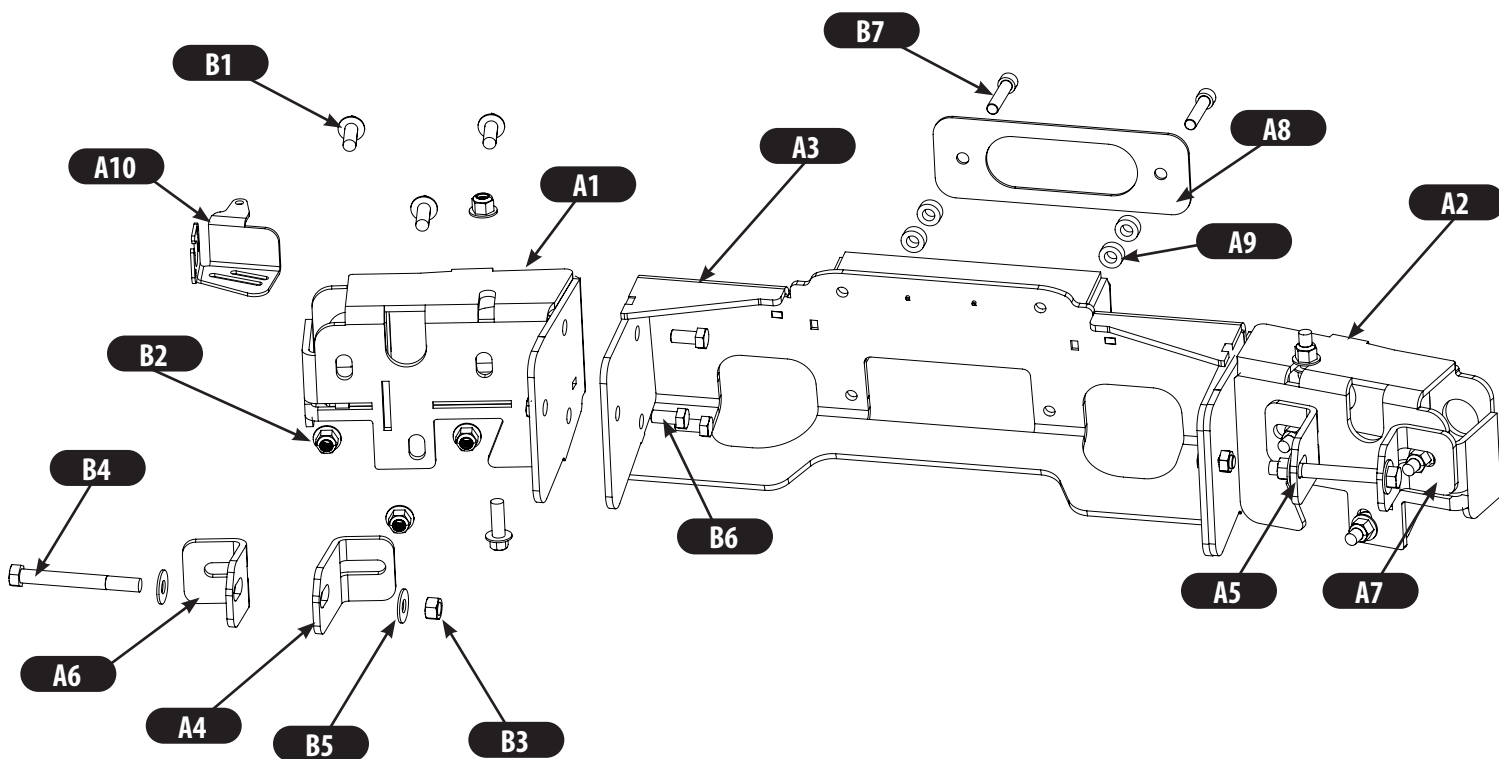
Your Warn winch must be connected to the vehicle's battery. Warn does not recommend attaching to the jump-starting terminal in the fuse box and ground in the engine compartment on hybrid models if your battery is in the rear cargo compartment. Please use the Warn winch wiring extension kit for your vehicle.

TOOLS REQUIRED

- Body Pry Tool
- Phillips head screwdriver
- Flathead screwdriver
- Metric socket and wrench set
- Standard socket and wrench set
- Socket extension
- Cutting tool

PARTS LIST

ITEM	QTY	DESCRIPTION	PART NO.	ITEM	QTY	DESCRIPTION	PART NO.
A1	1	LH FRAME MOUNT	112441	B1	8	M12-1.75 X 35MM HEX BOLT	82979
A2	1	RH FRAME MOUNT	112446	B2	8	M12-1.75 FLANGE NUT	91614
A3	1	WINCH CARRIER MOUNT	112449	B3	2	1/2"-13 LOCK NUT	29060
A4	1	LH INNER FRAME BRACKET	112454	B4	2	1/2"-13 X 4-1/2" HEX BOLT	710269
A5	1	RH INNER FRAME BRACKET	112455	B5	4	7/16" FLAT WASHER	74636
A6	1	LH OUTER FRAME BRACKET	112456	B6	6	M12-1.75 X 25MM HEX BOLT	79464
A7	1	RH OUTER FRAME BRACKET	112457	B7	2	7/16"-14 X 2" SOCKET HEAD BOLT	80219
A8	1	FAIRLEAD CUTOUT COVER	112471				
A9	4	FAIRLEAD SPACER	112480				
A10	1	REMOTE PLUG BRACKET	112482				



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)			

INSTALLATION INSTRUCTIONS

DISASSEMBLY

NOTICE *This application requires extensive cutting on the vehicle. PROFESSIONAL INSTALLATION IS HIGHLY RECOMMENDED.*

1. Remove the four push pins in the air intake scoop by pressing the center of each pin to pop up and use a pry tool to remove completely. Set air intake scoop and pins aside for later.



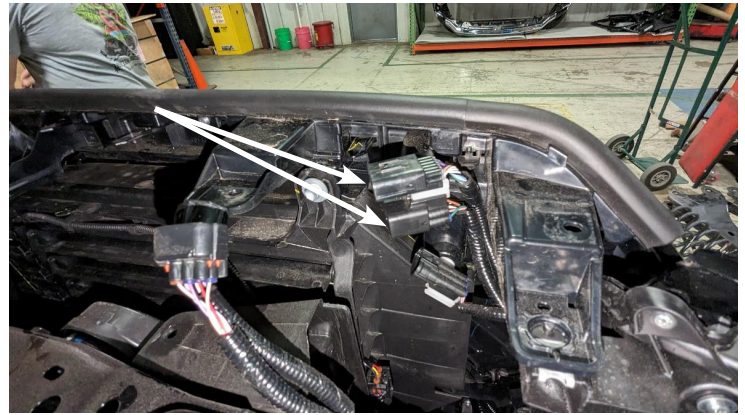
2. In the same manner as above, remove the eight push pins from the plastic shroud. Set shroud and pins aside for later.



3. Using a ratchet and 10-mm socket, remove the three screws along the top of the grill. Place screws safely aside.



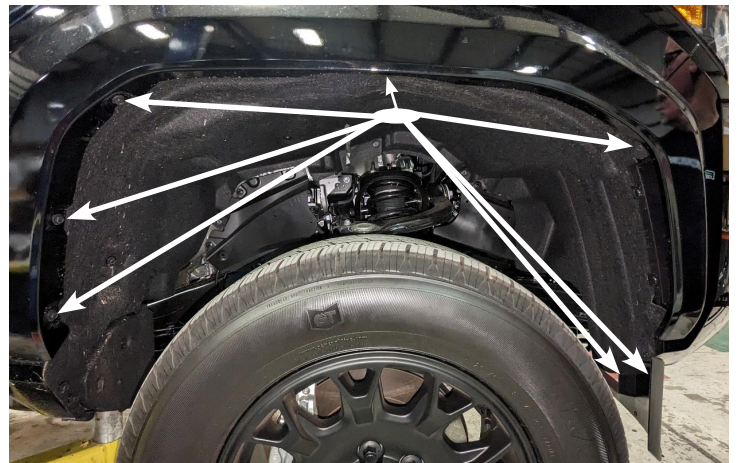
4. Disconnect the two electrical connectors located along the top of the grill on the front driver side.



5. Using a flathead screwdriver, remove the two plastic pins holding the fender liner to the fender guard trim. *TIP: Rotate the pin until you feel them click. This will "unlock" it and allow you to pull the pin out. Carefully set pins aside.*



6. Remove the seven screws holding the fender flares to the fender liner using a ratchet and 10mm socket. Carefully place hardware aside as they will be reinstalled later.

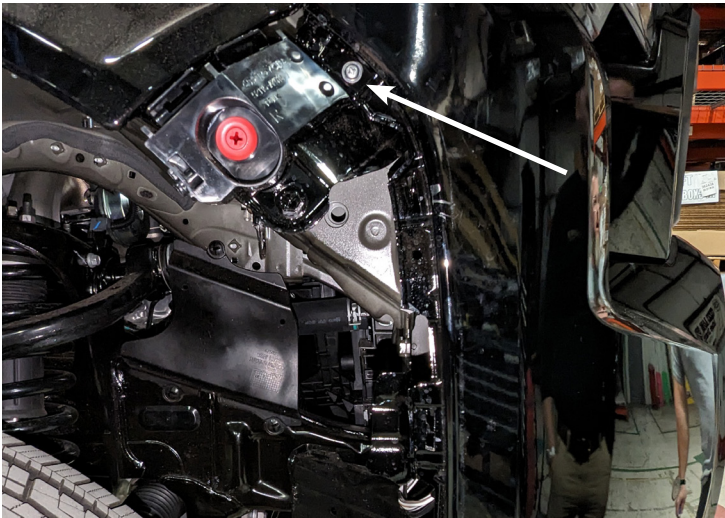


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7. Pull back on the liner and then carefully release the three clips at the front of the fender flares.
8. Pull outward and away from the vehicle to loosen. ***The fender flare only needs to be loose enough to be able to remove the front fascia.***



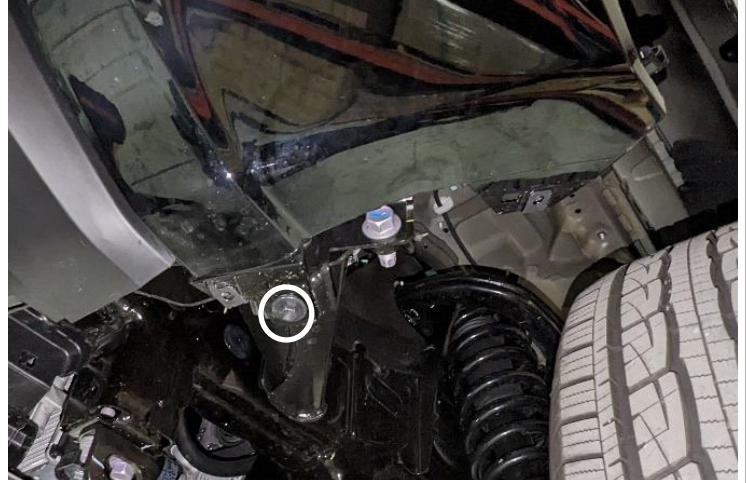
9. Remove the small screw on the side of the front bumper using a Phillips head screwdriver. Place hardware safely aside as it will be reinstalled later.
10. Repeat the steps to remove the fender flare and small bumper screw on the other side of the vehicle



11. Using a ratchet and 10-mm socket, remove the five screws from the air dam. ***Dam and screws will not be reused.***



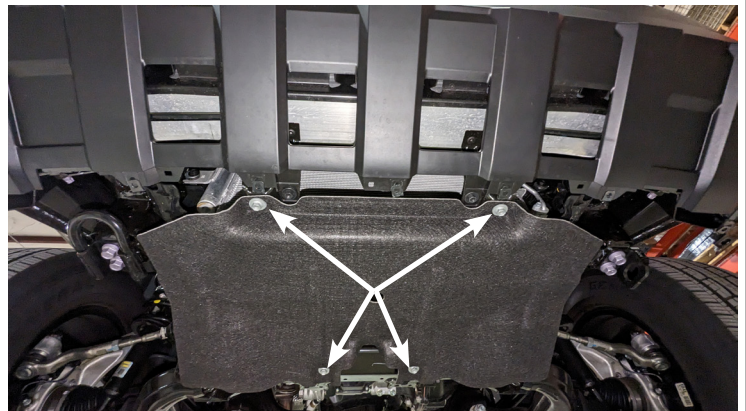
12. Remove the screw (each side) from the bottom corner tab of the bumper. ***These will not be reused.***



13. Using a ratchet and 17mm socket, remove the two tow hooks from the bottom of the frame rails. ***Place hardware aside, it will be reused, the tow hooks will not.***

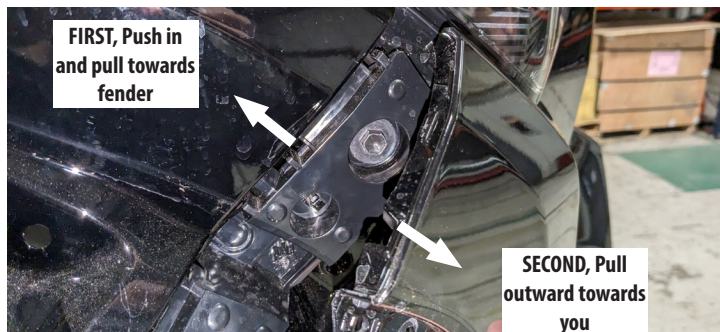


14. Remove the skid plate by removing the four screws. Place hardware and skid plate safely aside as they will be reinstalled later.

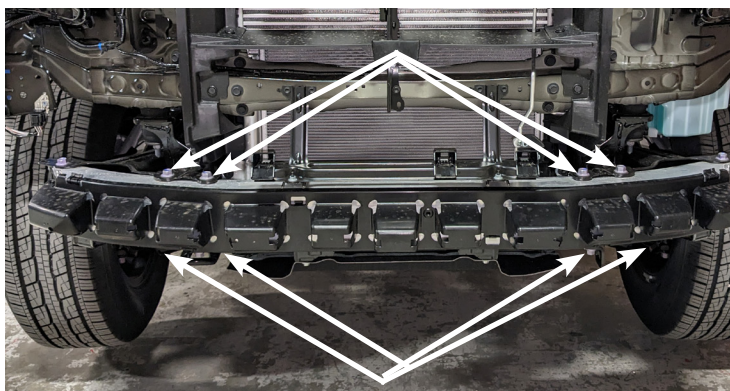


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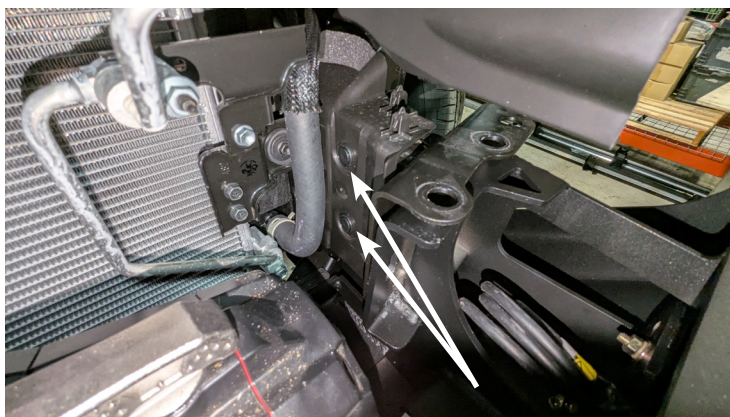
15. Carefully push in and then pull the top corner of the bumper up towards the fender and then outward to release the clips. *TIP: You need to go down and around the hook like clip holding this corner in place.* Repeat for other side.



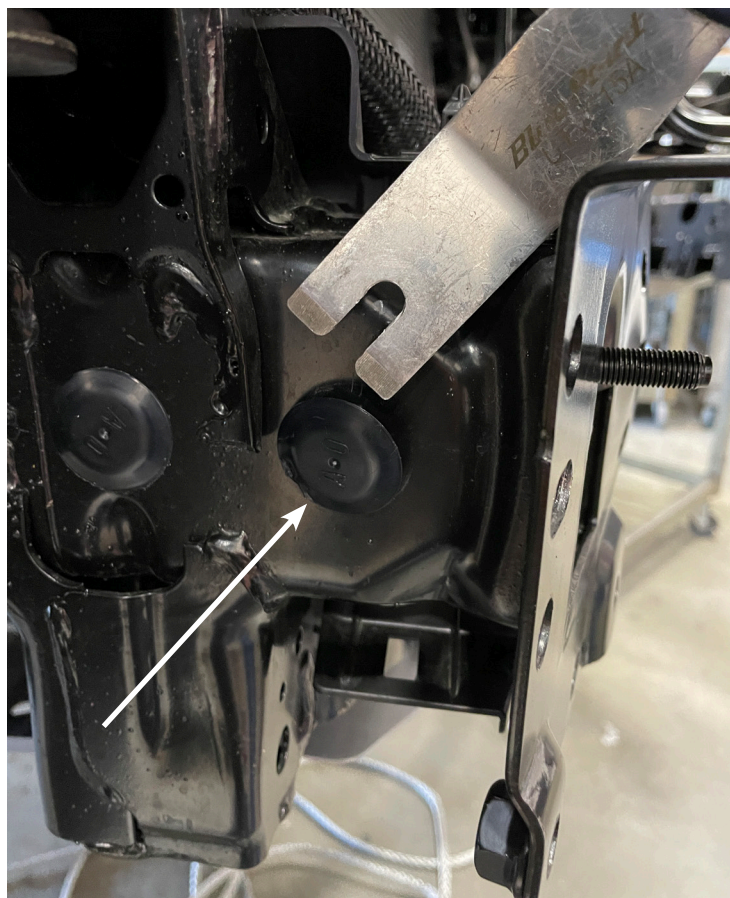
16. Slowly work your way across the front bumper and grill, pulling outward to release the rest of the clips to completely free the front bumper and grill assembly. Once removed, place fascia aside on a clean flat surface.
17. Remove the front license plate. Save hardware.
18. With the front fascia fully removed, use a ratchet and 17-mm socket to remove the eight bolts securing the crash bar to the frame on both sides of the vehicle. *The crash bar and hardware will not be reused and can be discarded.*



19. Using a panel pry tool, remove the two push pins from the plastic frame cover and remove it from the vehicle. Do this on both sides.

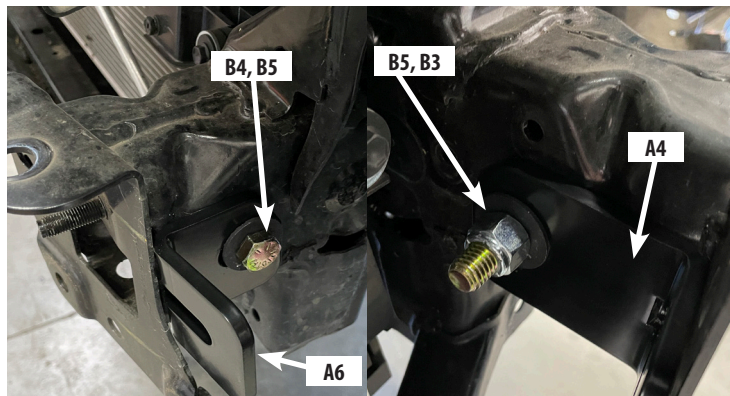


20. Remove the front most plastic plug on both the inner and the outer side of the frame rail. Do this on both sides of the vehicle.



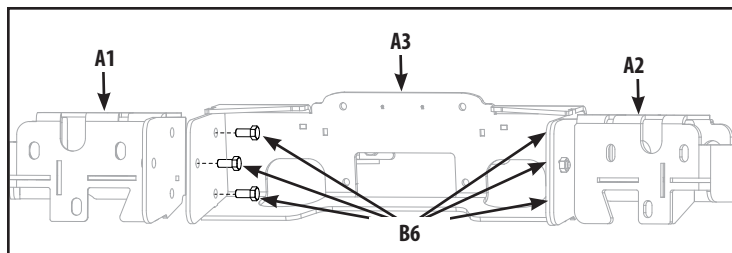
21. Locate the left-hand inner and outer frame brackets (A4, A6), one 4-1/2" long hex bolt (B4), two washers (B5), and one 1/2"-13 lock nut (B3).
22. Install the bolt with washer through bracket and frame rail (through hole made by removing the plastic plug in previous step) and hand tighten with second washer and lock nut.

NOTICE Do not overtighten hardware or damage may occur to your frame rail.



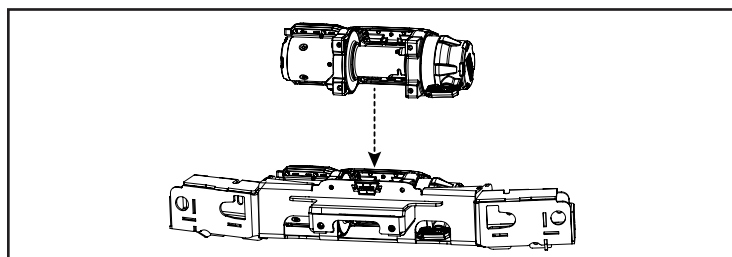
23. Repeat for right side using brackets (A5 and A7), bolt (B4), washers (B5) and lock nut (B3).

24. Locate the left- and right-hand frame mounts (A1 & A2), the winch carrier mount (A3) and fully assembly the three pieces together using six M12-1.75 x 25mm long bolts (B6).



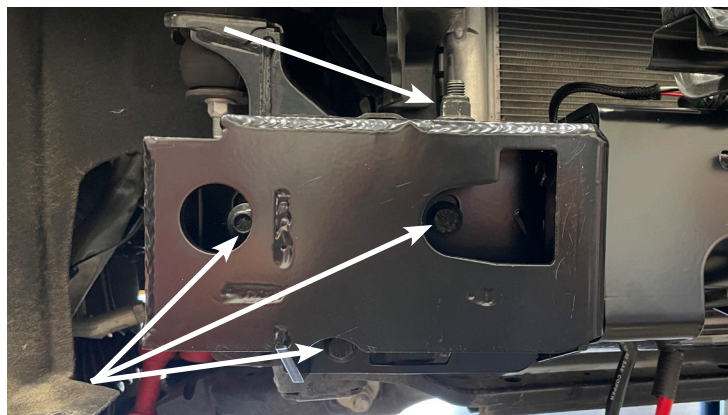
NOTE: For ease of installation, install rope onto your winch prior to installing on the carrier.

25. Locate your Warn short drum winch and place it feet forward onto the carrier (so the rope comes off the bottom of the drum).
26. Secure winch to the carrier using hardware and instructions included with your winch.

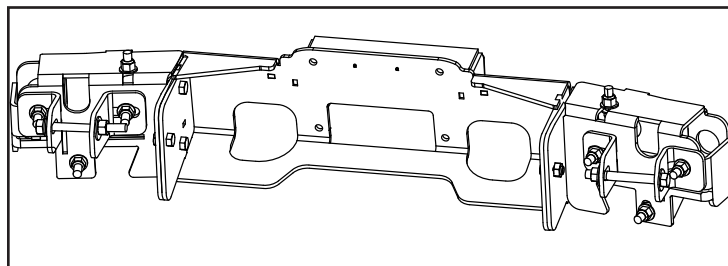


CAUTION Always use proper posture / lifting technique or get lifting assistance while handling and installing product.

27. Locate two of the M12 x 35mm bolts (B1) and two flange nuts (B2).
28. With assistance, position the fully assembled winch mount up to the vehicle and loosely hold it in place using the top M12 bolts on each side of the vehicle.
29. Locate the other six M12 x 35mm bolts (B1) and flange nuts (B2) and install three through the winch mount and into the frame (each side). *Ensure the middle two bolts are also going through the inner and outer brackets that were installed earlier.*

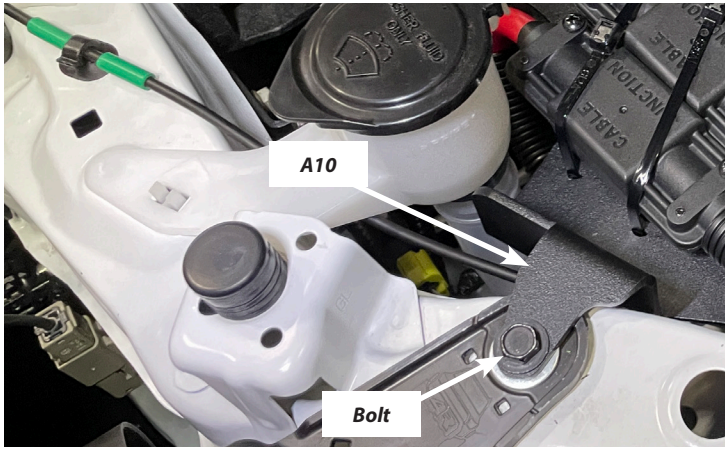


30. Center the mount and fully tighten all eight bolts holding the hidden winch mount to the front frame mounts, and snugly tighten the 4-1/2" bolts holding the inner and outer brackets on each side.



31. Route and tidy the power (positive) and negative cables up towards the 12V battery on the passenger side and complete the winch wiring following the instructions provided with your winch kit.
32. If installing on a hybrid, route and tidy your power and negative cables up towards the driver side headlight and use the Warn winch wire extension kit to wire your winch to the rear mounted battery on this vehicle. **NOTE: Your Warn winch must be connected to the vehicle's battery. Warn does not recommend attaching to the jump-starting terminal in the fuse box and ground in the engine compartment on hybrid models if your battery is in the rear cargo compartment or under the rear seats.**
33. Plug in and then route and tidy the remote plug cable, included in your short drum winch kit, towards the driver side headlight.
34. Locate the remote plug bracket (A10) and install the bracket using the existing screw on the headlight and then install your remote plug to the bracket.

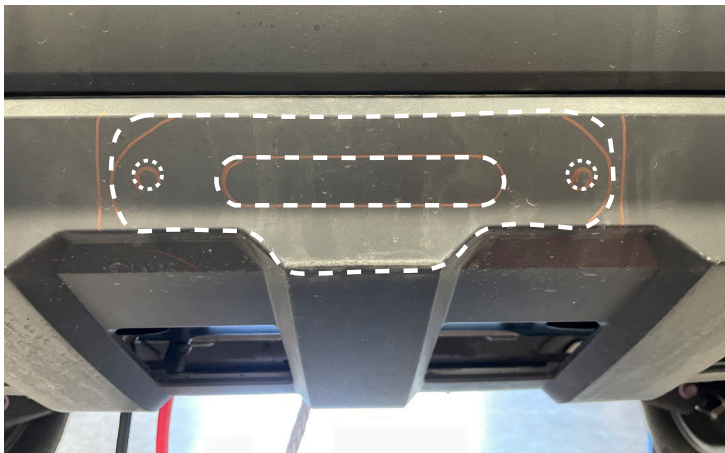
INSTALLATION INSTRUCTIONS



35. Center the fairlead (included in your short drum winch kit) on the front fascia using the plastic seam as a guideline.



36. Trace the bolt holes, opening, and outer edges of the fairlead.



37. Using a step drill bit, drill into the traced-out bolt holes made in the previous step.



38. Place the front fascia back onto the vehicle and use the holes to ensure that you are lined up with the fairlead mount on the carrier by loosely installing the fairlead.
39. Once alignment has been confirmed, remove the fairlead and use the traced-out fairlead as a boundary for your next cuts. Try to stay on the inside of the lines for a cleaner look.

⚠ WARNING Always use extreme caution when cutting and trimming during fitting. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when / if cutting on the vehicle. Thoroughly inspect the area to be cut (on both sides of material) prior to cutting. Failure to inspect the area to be cut may result in vehicle damage, electrical shock, fire or personal injury.

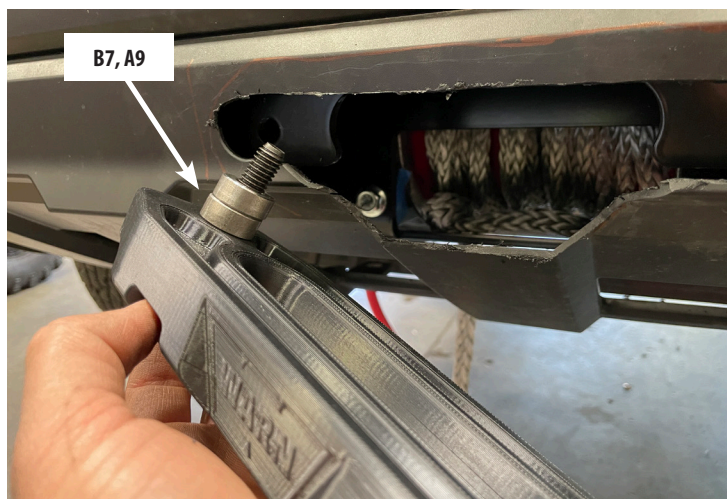
40. Slowly start cutting to open the hole in the front of the fascia to allow the fairlead to be installed. **NOTE:** Ensure you cut enough of the plastic so that the winch rope does not rub against the bottom plastic edge.

TIP: It is recommended to frequently place the fascia on the vehicle to check your cut. The cover plate (A8) can be used to help hide any imperfections.



INSTALLATION INSTRUCTIONS

41. With the cutout complete, locate the four fairlead spacers (A9) the 7/16" - 14 x 2" long socket head bolts (B7), the optional fairlead cutout cover plate (A8) and the fairlead (included in your winch kit).
42. Install *optional* fairlead cutout plate and fairlead onto the winch carrier using the two bolts and four spacers.



43. Thread winch rope through fairlead opening and install the hook and strap.
43. Confirm all fasteners are tight and to proper torque and that all electrical wiring to all components are correct and tight.



44. Reinstall battery connections.

WARNING Always connect red (+) power cable **ONLY** to the positive (+) terminal of the battery.

WARNING Always connect black ground (-) power cable **ONLY** to the negative (-) terminal of the battery.

First, attach the winch power (red) cable to the positive (+) battery terminal. Second, attach the winch (black) cable to the negative (-) battery terminal. Tighten securely.

Your installation is 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.