



INSTALLATION INSTRUCTIONS

Semi-Hidden Front Bumper

Part Number: 112458

Application: 2024 Toyota Land Cruiser

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
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.

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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.

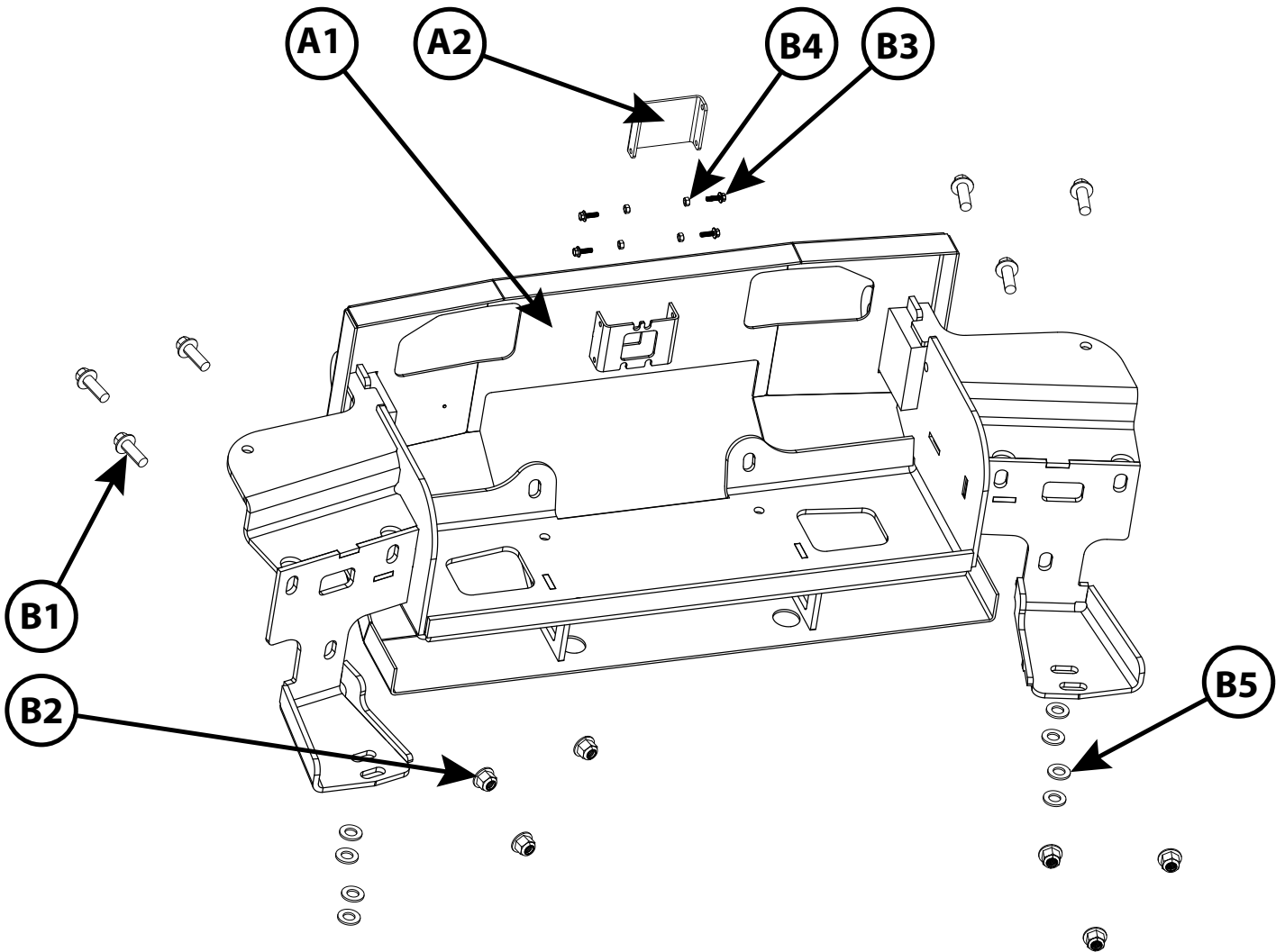
Your Warn winch must be connected to the vehicle's battery. Warn does not recommend attaching to the jump-starting terminal in the fuse box and ground in the engine compartment on hybrid models if your battery is in the rear cargo compartment. Please use the Warn winch wiring extension kit for your vehicle.

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	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY
A1	BUMPER	1	B1	M12 BOLT	6
A2	CAMERA COVER	1	B2	M12 NUT	6
			B3	M5 BOLT	4
			B4	M5 NUT	4
			B5	M12 WASHER	8



TORQUE SPECIFICATIONS

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

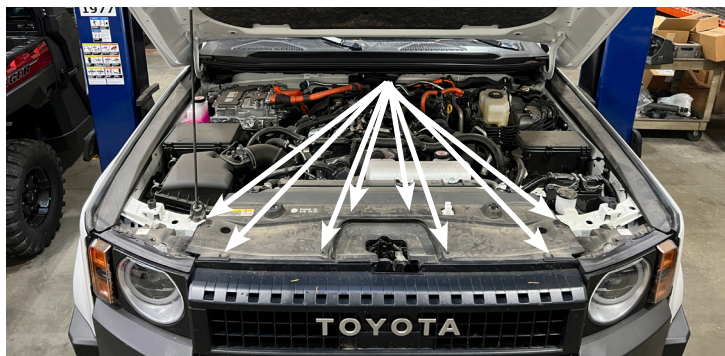
FASTENER SIZE	FASTENER TORQUE		FASTENER SIZE	FASTENER TORQUE	
	lb-ft	(N.m)		lb-ft	(N.m)
1/4"	8	(11)	M4	(2)	3
5/16"	17	(23)	M5	(4.5)	6
3/8"	30	(40)	M6	(7.5)	10
7/16"	48	(66)	M8	(18)	25
1/2"	74	(100)	M10	(37)	50
9/16"	106	(144)			
5/8"	148	(200)			
3/4"	269	(364)			

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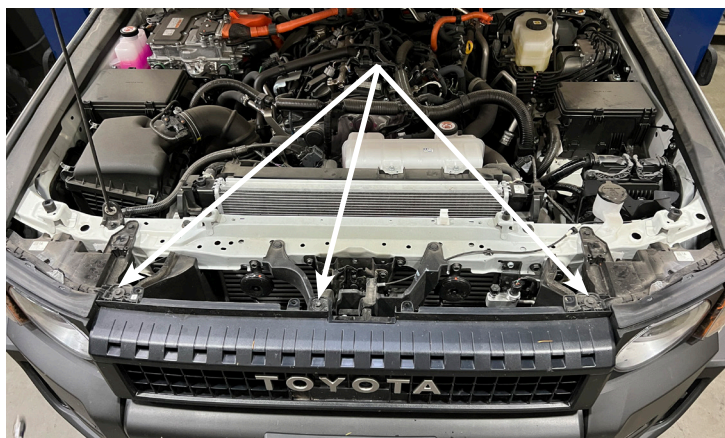
DISASSEMBLY

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

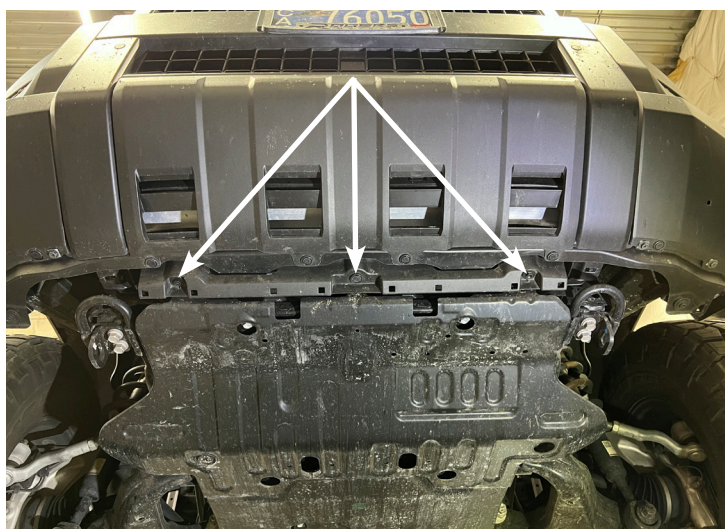
1. Using a plastic panel pry tool, carefully remove the eight push pins from the plastic shroud. Remove the shroud and place it and the push pins safely aside as they will be reused.



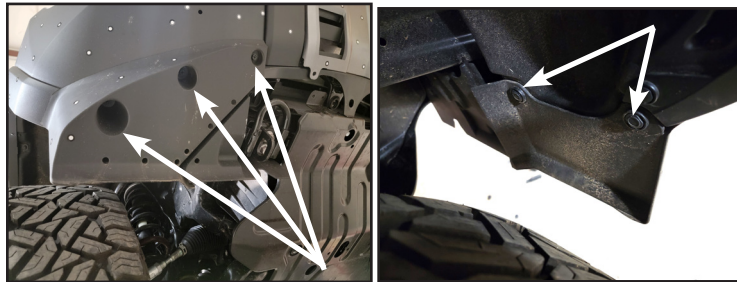
2. Using a ratchet and 10-mm socket, remove the three screws along the top of the grill. Place screws safely aside as they will be reused.



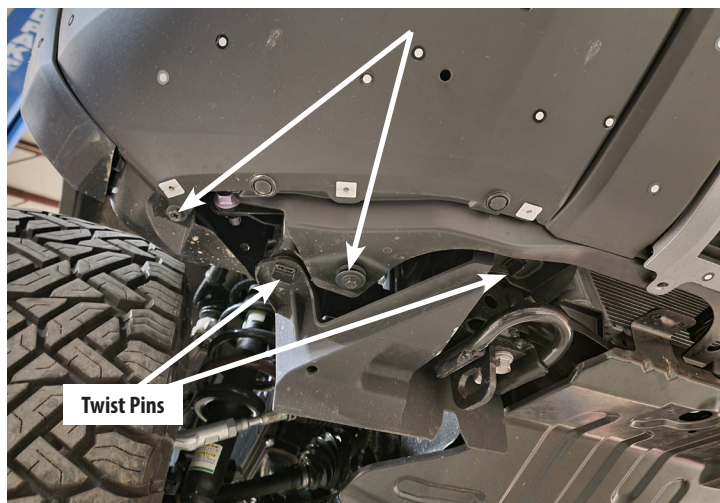
3. Remove the front skid plate cover trim by removing the three push pins.



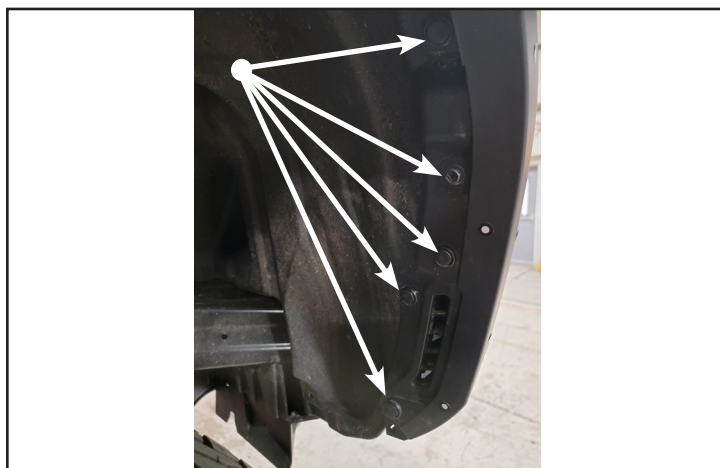
4. Remove the corner cover from each side of the vehicle's bumper, by using a 10-mm socket on the bottom three bolts, and a panel pry tool on the two push pins in the wheel well.



5. Remove the plastic trim piece around the tow hooks on each side of the vehicle by removing the two twist push pins and the two 10-mm bolts.

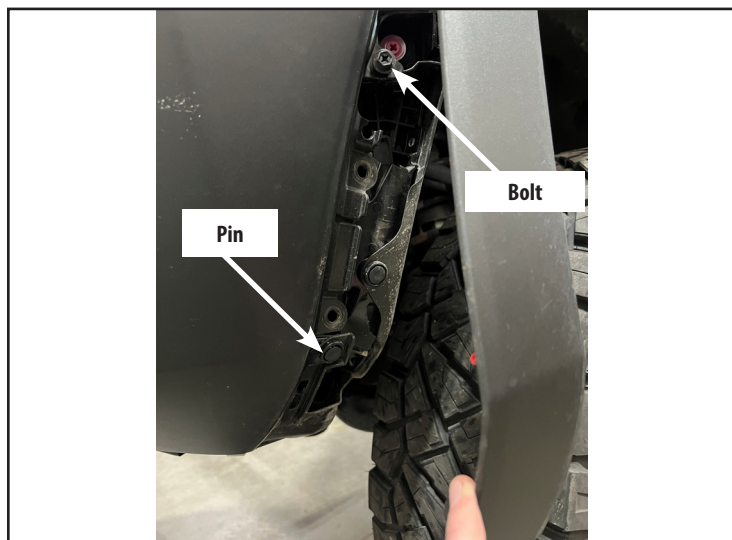


6. Remove the four push pins and one 10-mm bolt holding the lower part of the fender flare to the wheel well liner. Do this on each side of the vehicle.



INSTALLATION INSTRUCTIONS

7. Carefully pull back the fender flare to reveal the hidden fasteners and remove the one 10-mm bolt and the one push pin.



8. Starting from the outside and working your way in towards the center grill, carefully pull and pop each clip of the front fascia away from the body of the vehicle.
9. Unplug the sensor harness on the lower right side corner, just behind the front fascia.
10. Remove the front fascia completely.



11. With the crash bar exposed, remove the one push pin attaching the air-dam to the crash bar. Do this on each side of the vehicle.



12. Use a ratchet and 17-mm socket to remove the two upper crash bar bolts (each side).



13. Using the same ratchet and 17-mm socket, remove the two lower crash bar bolts (each side) and remove the crash bar completely. *The crash bar and hardware will not be reused and can be discarded.*

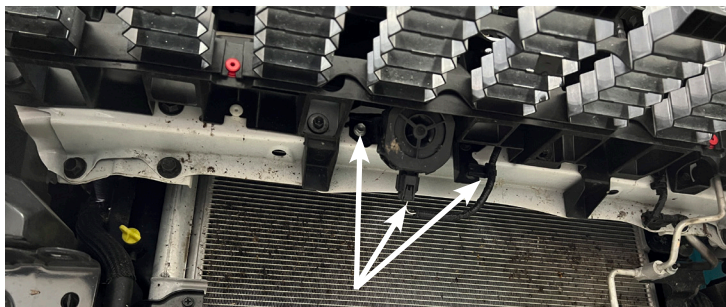


14. Keep on with the ratchet and 17mm socket and remove the two tow hooks from the bottom of the frame rails. *Place hardware aside, it will be reused, the tow hooks will not.*

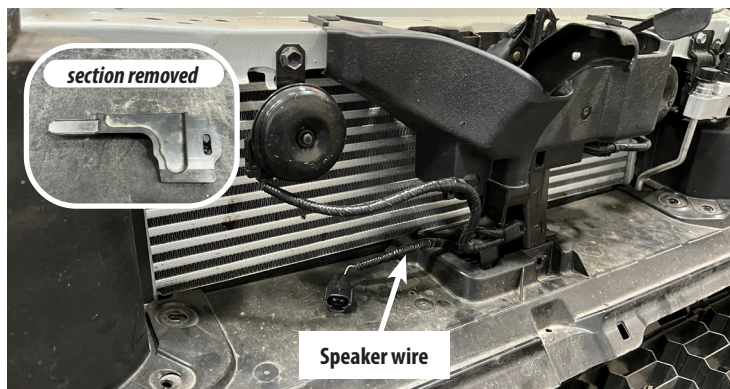


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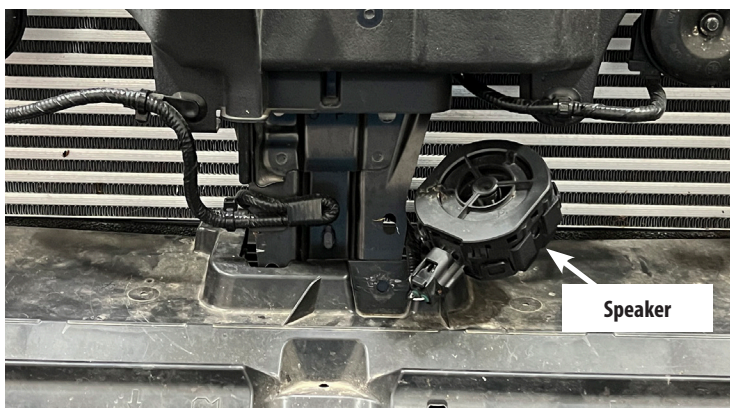
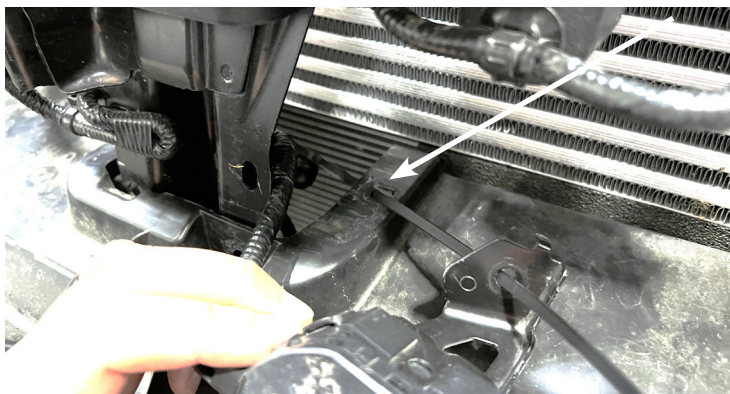
15. Remove the screw and the wire clip holding the hybrid safety speaker and remove the speaker completely. The speaker will be rerouted and relocated.



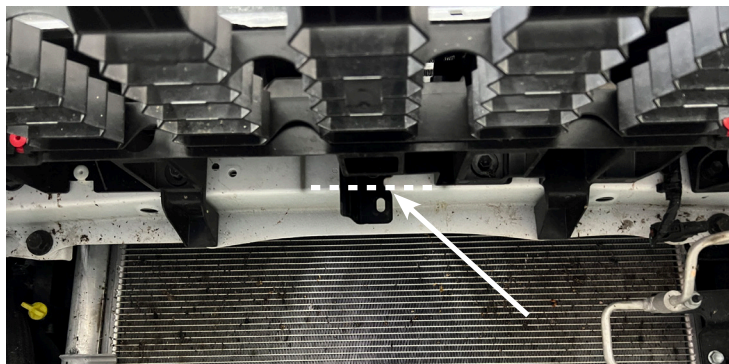
16. Remove the upper section of the air dam that goes behind the center post (you will not be reusing) and then route the speaker wire up through the space left.



17. Plug the speaker back in and zip tie the speaker bracket to the air dam as shown.



18. Trim the bracket where the speaker wire originally was mounted, so that it is flush with the frame member.



NOTICE The next steps require extensive cutting on the vehicle. **PROFESSIONAL INSTALLATION IS HIGHLY RECOMMENDED.** Proceed at your own risk.

NOTICE The next steps will require appropriate cutting tools and will be destructive to your front bumper. You will not be able to go back to stock without purchasing a new OE front bumper.

NOTICE Ensure your cut line aligns with the top of the grill and along the edges of the grill/valence. Leave the sections that house the parking sensors.

- Do not damage or scratch the TSS front cover.
- Do not damage or scratch the parking sensors.
- Do not damage or scratch the front facing camera.

NOTICE Be careful not to cut wiring in the front fascia, particularly the camera will be the most difficult.

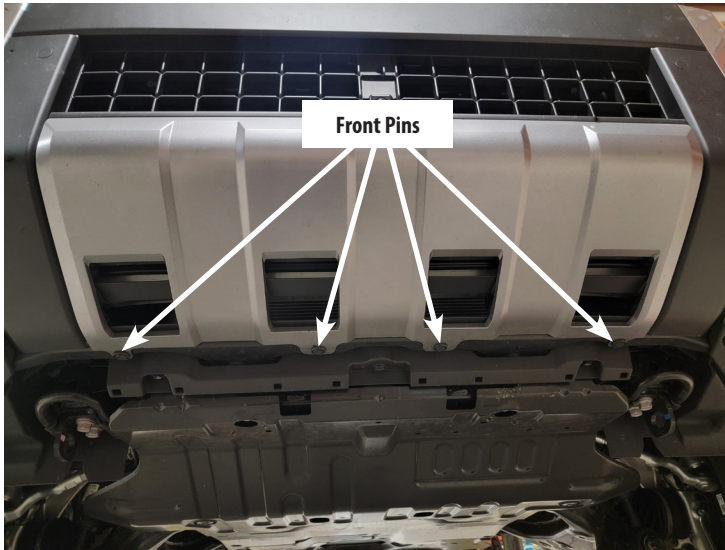
19. Start to disassemble the OE bumper fascia by removing the front camera. Do this using a Philips head screw driver to remove the two screws holding it in place.

20. Unplug the camera from the harness and set aside to be installed in the new bumper.

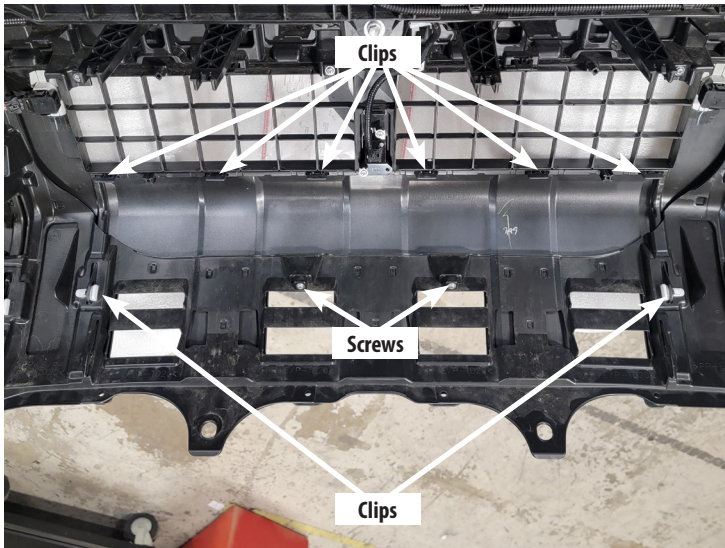


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21. Remove the lower fascia covering by first removing the four front push pins.

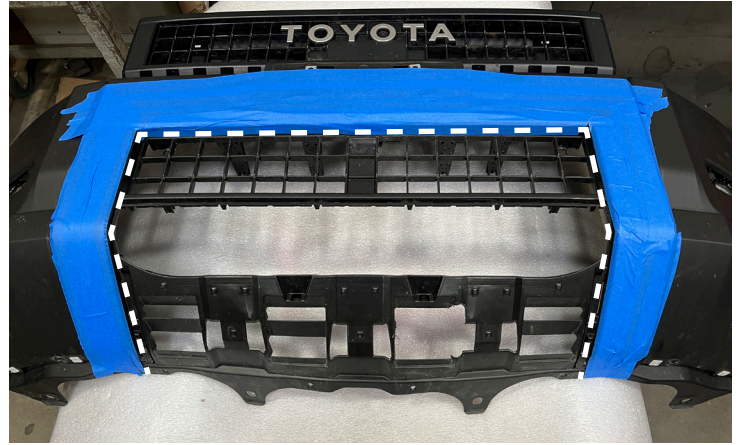


22. Next, from the backside, remove the two Philip head screws, the two white retaining clips and the six body clips. *The lower fascia can be discarded.*

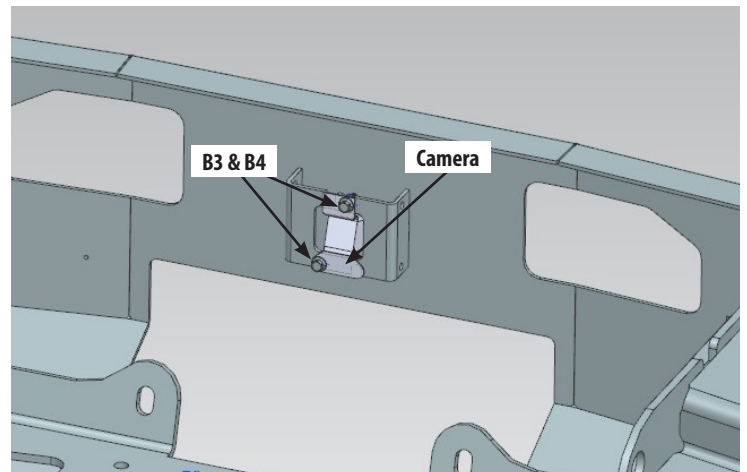


23. Flip the bumper over so you are looking at the front.
24. Tape along the top of the lower grill and sides of the grill with painter's tape.
25. Carefully, cut along the inside of the taped area to remove the lower fascia support completely.

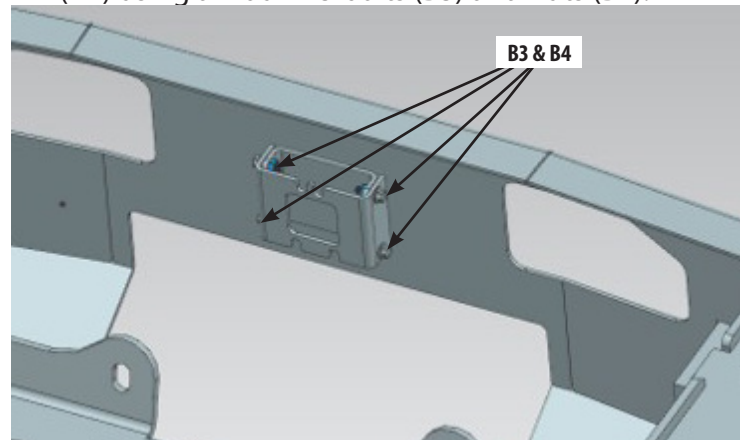
NOTE: It is advised to cut about ¼" inside the cut line and use a sanding tool to clean and create a nice straight edge.



26. Install the OE camera into the new bumper, using two M5 bolts (B3) and nuts (B4).



27. If your model does not come equipped with a front facing camera, install the camera cover (A2) using all four M5 bolts (B3) and nuts (B4).



NOTE: Your winch must be installed to the bumper BEFORE bumper installation.

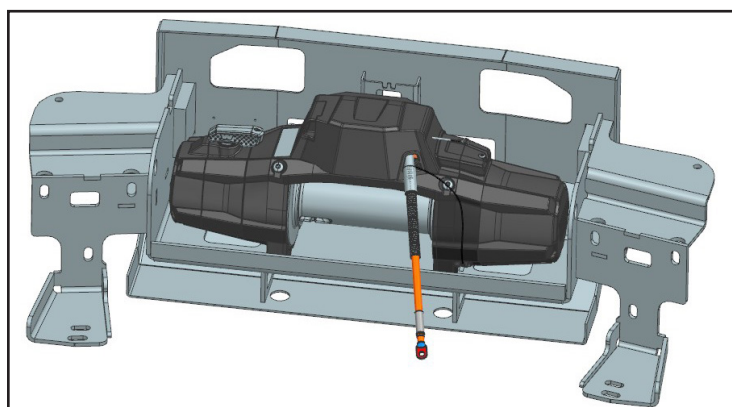
28. Place the Warn semi hidden bumper onto a solid, stable work surface.

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29. Install the fairlead to the front of the new Warn bumper using the hardware included in winch kit.



30. Secure the Warn winch to the bumper mounting tray following instructions from the winch kit.



31. While the bumper is on the bench, install the winch rope to the winch following the winch installation instructions. **NOTE: The rope does not need to be wound at this time.**

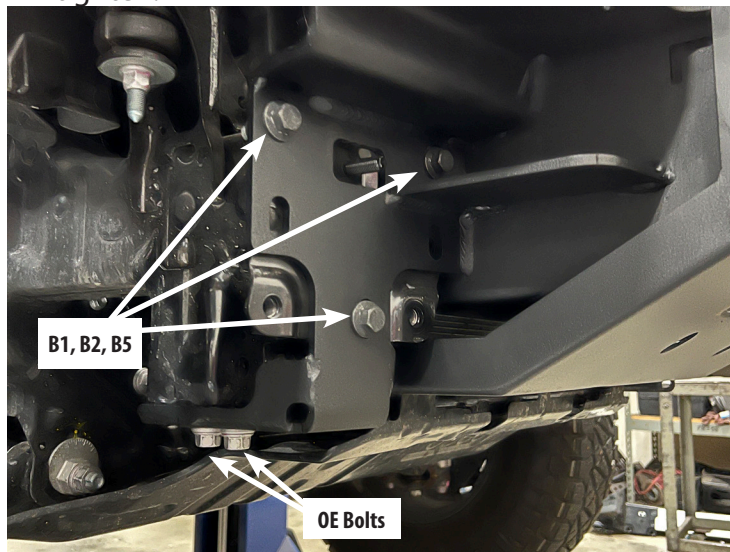
32. Thread the rope through the fairlead.

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

33. With assistance, place the bumper up against the vehicle frame horns. Loosely thread in at least one M12 bolt (B1) per side. **NOTE: We recommend taping the winch control pack to eliminate scratching.**



34. Complete installing the rest of the M12 hardware (B1, B2 and B5) through the bumper and frame horns on each side of the vehicle (*set of three per side*). Run them down fully but do not tighten.
35. Secure the bottom of the bumper to the tow hook mounting location using the factory bolts. Again, run them down but do not tighten.



36. Align and center the bumper.
37. Using a ratchet 17mm socket, torque the M12 hardware to recommended specification. Then torque the OE tow hook bolts to recommended specification. Start front then bottom.
38. Route the winch wiring per the Warn wire extension kit instructions. **NOTE: Your winch must be wired directly to the 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.**
39. If you haven't already, thread the winch rope through the fairlead opening and install the abrasion sleeve, hook and strap.
40. Fully reinstall the front fascia, plastic shroud, air scoop and the fender flares on both sides of the vehicle.
41. Reconnect any plugs that were disconnected in the engine compartment.
42. Check the plug on the front fascia and the plug in the camera if applicable.

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42. Verify ALL hardware has been tightened to recommended torque specifications.
43. Complete winch wiring per winch installation instructions.
44. Zip tie any wiring or harnesses to keep tidy.
45. Install license plate.

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.