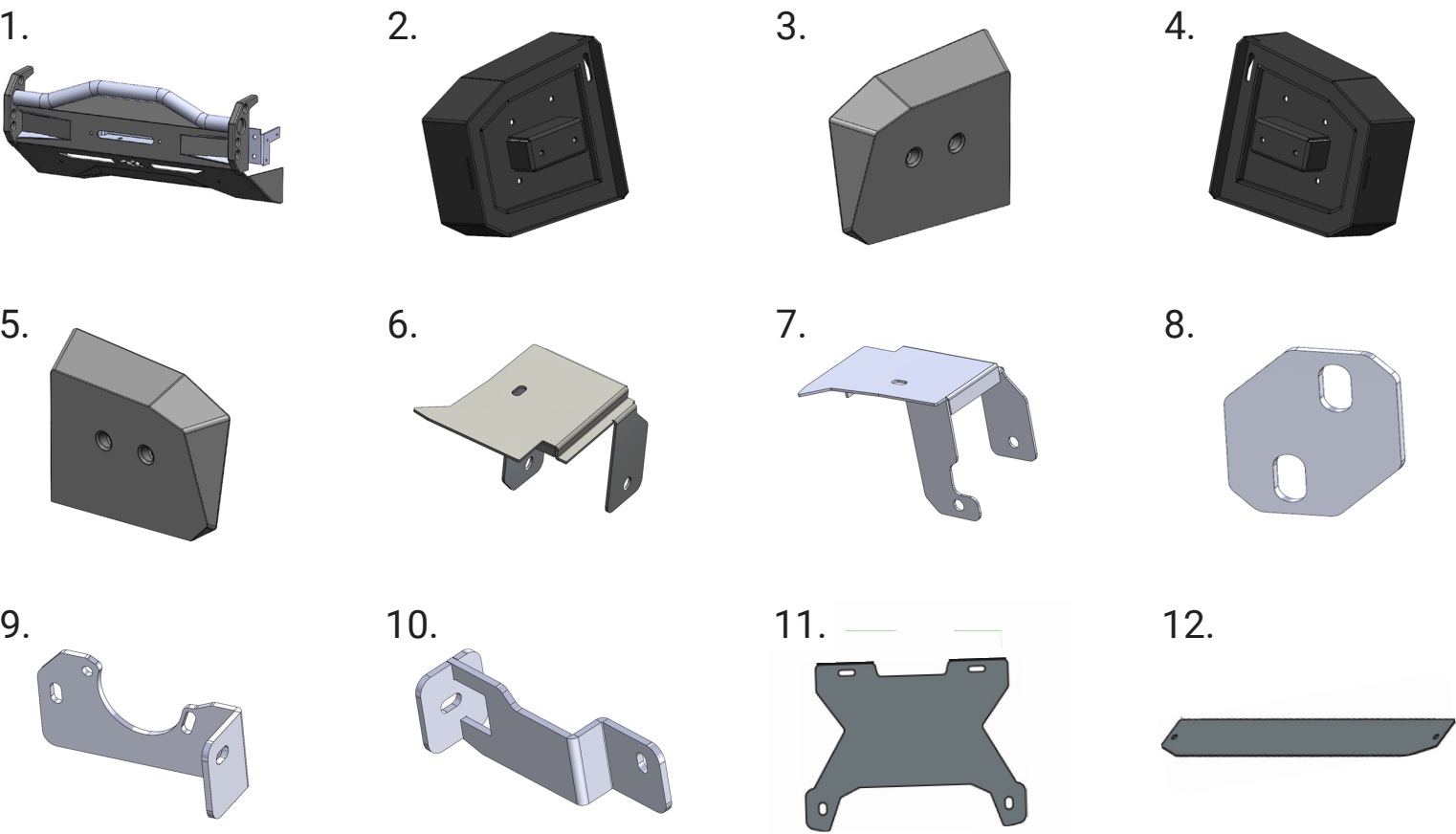


Components and Hardware:



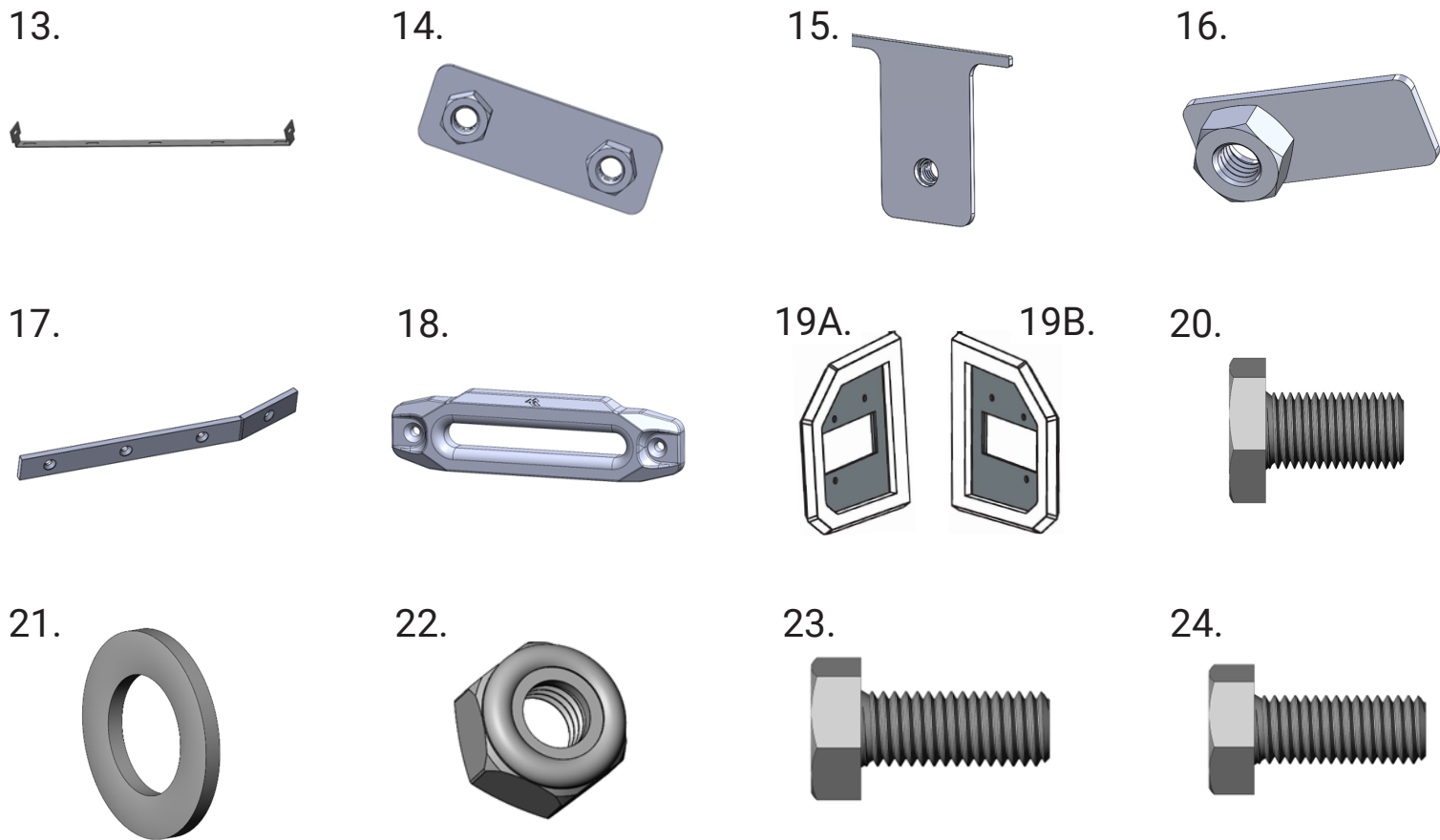
Components and Hardware:

1. Center Bumper Section	(1)
2. Left Bumper End - Base.....	(1)
3. Left Bumper End - Cap.....	(1)
4. Right Bumper End - Base.....	(1)
5. Right Bumper End - Cap	(1)
6. Left Close Out Panel.....	(1)
7. Right Close Out Panel.....	(1)
8. Support Bracket	(2)
9. Driver Side Winch Bracket	(1)
10. Passenger Side Winch Bracket	(1)
11. License Plate Mount (Pre-installed)	(1)
12. Winch Close Out Panel.....	(1)

Tools for Installation:

- 10mm Wrench & Sockets
- 13mm Wrench & Sockets
- 16mm Wrench & Sockets
- 17mm Wrench & Sockets
- 18mm Wrench & Sockets
- 19mm Wrench & Sockets
- 4mm Allen Wrench
- Wire Stripper Tool

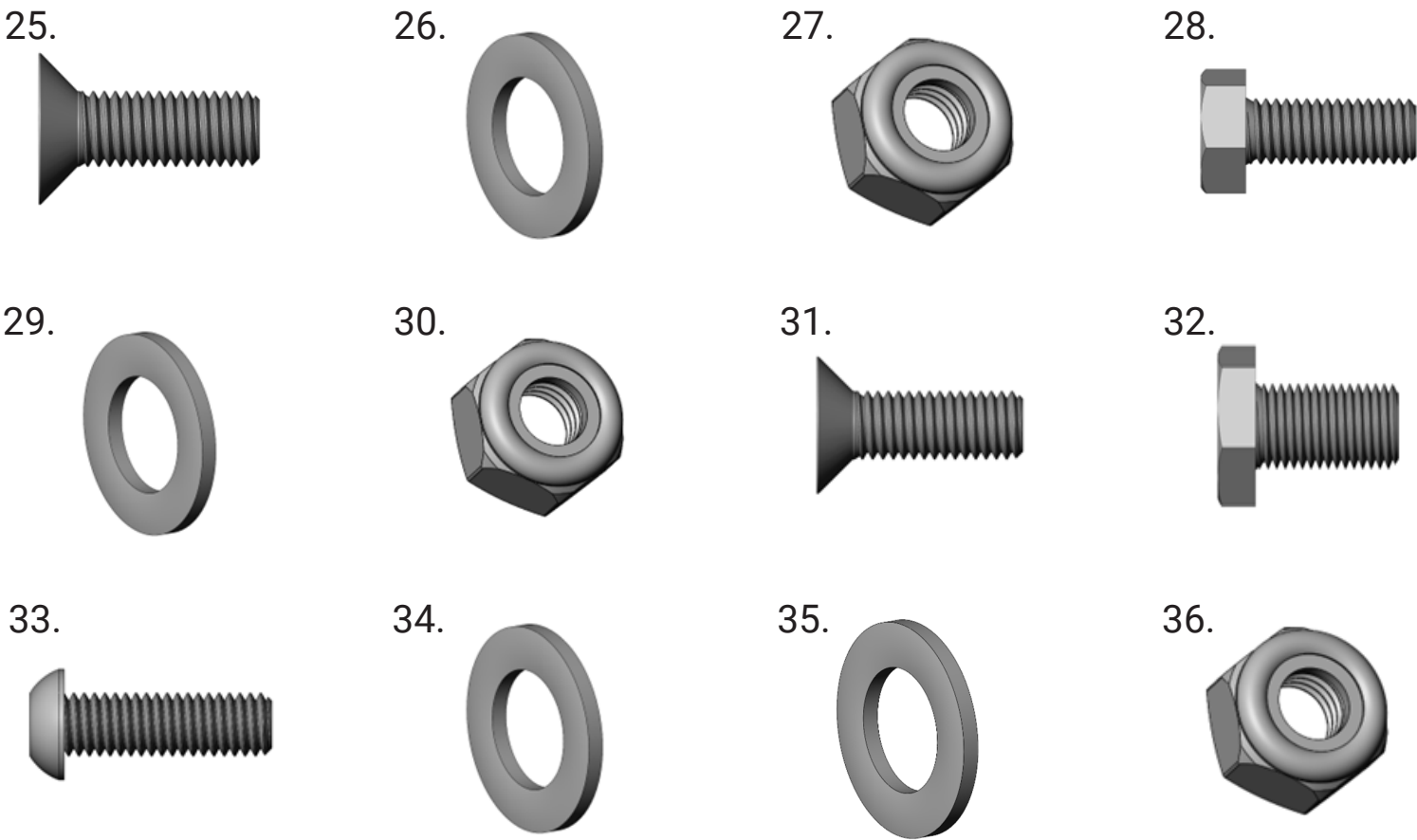
Components and Hardware:



Components and Hardware:

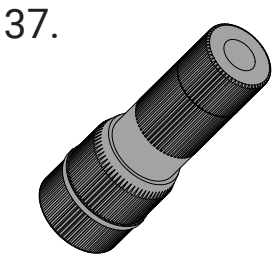
13. Light Bracket	(1)
14. M12 Nut Plate	(2)
15. T-Nut Plate.....	(2)
16. Lower Frame Nut Plate.....	(2)
17. Aluminum Skid (Pre-installed)	(2)
18. Winch Fairlead (Pre-installed).....	(1)
19A & B. Bumper Running Light, Pair.....	(1)
20. M12 Hex Head Bolt.....	(8)
21. M12 Flat Washer	(12)
22. M12 Lock Nut.....	(4)
23. M10 Hex Head Bolt - 35mm.....	(6)
24. M10 Hex Head Bolt - 20mm	(4)

Components and Hardware:



Components and Hardware:

25. M10 Flat Head Bolt (Pre-Installed)	(2)
26. M10 Flat Washer (2 Pre-Installed)	(16)
27. M10 Lock Nut (2 Pre-Installed)	(6)
28. M8 Hex Head Bolt	(2)
29. M8 Washer	(4)
30. M8 Lock Nut	(2)
31. M6 Flat Head Bolt (Pre-installed)	(8)
32. M6 Hex Head Bolt	(10)
33. M6 Button Head Bolt (2 Pre-Installed)	(6)
34. M6 Flat Washer (12 Pre-Installed)	(32)
35. M6 Over Sized Flat Washer	(4)
36. M6 Lock Nut (10 Pre-Installed)	(20)
37. Electrical Connector	(6)



Important Information



IMPORTANT

READ BEFORE YOU BEGIN INSTALLATION

IT IS CRITICAL FOR YOUR SAFETY THAT YOU CAREFULLY READ AND FOLLOW THE SAFETY CAUTIONS AND INSTALLATION INSTRUCTIONS BOTH PRIOR TO AND DURING INSTALLATION.

PRODUCT WEIGHT CAUTION

This product is heavy, especially when a winch is added. A minimum of two people are required to safely install.

Always use two or more people when lifting and maneuvering the product to avoid injury.



PREVENTING INJURIES

Non-slip gloves provide better grip when handling the product during installation.

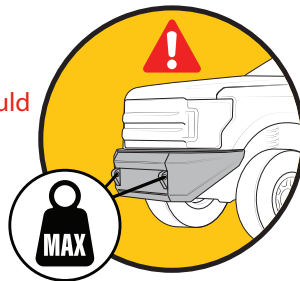
Always wear non-slip gloves when lifting the product to avoid injury and product damage.



RECOVERY POINT LOAD LIMIT

Each recovery point supports a maximum load of 12,500 lbs.

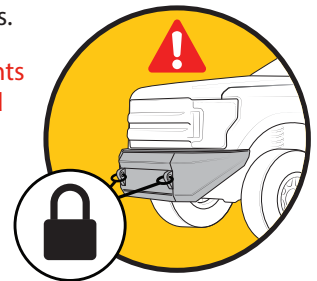
Do not exceed the specified load rating or serious injury or death could occur.



PROPER RECOVERY POINT USE

Recovery points must only be used with properly secured attachments.

Always ensure recovery attachments are fully secure before use to avoid serious injury or death.



Important Information

Care and maintenance

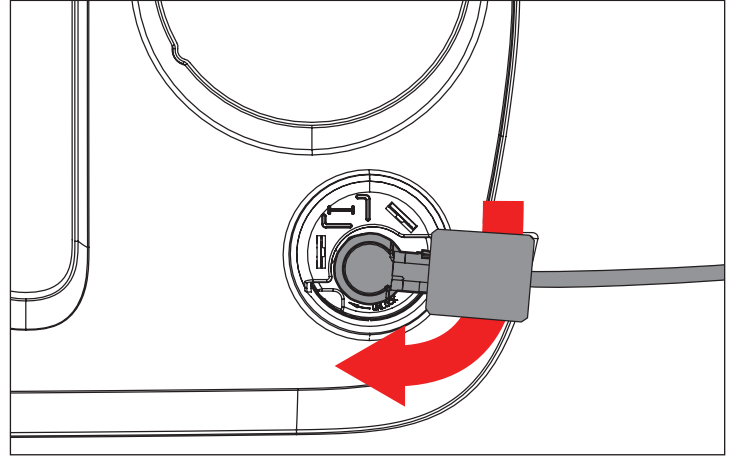
- Inspect the mounts and related fasteners regularly.
- Periodically check and tighten all fasteners.
- Replace any fasteners that are stripped, fractured, or bent.
- After washing your vehicle, fully dry all surfaces.
- In cold-weather areas, wash the product frequently to remove harmful road materials.

Safety instructions

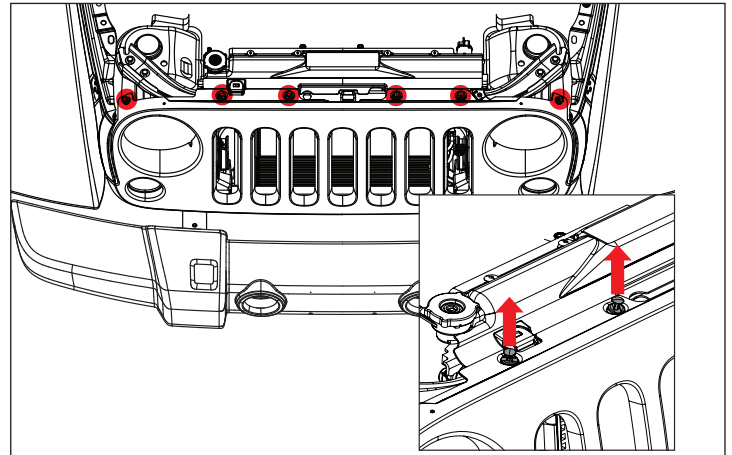
- Complete a shop and tool inspection before starting the installation.
- Make sure you have a clean, dry, and well-lit work area.
- Remove all jewelry and loose-fitting clothing. Wear protective gloves and eye protection.
- Use extreme caution when jacking or raising a vehicle. Set the emergency brake, and use tire/wheel blocks and jack stands. Refer to your vehicle manufacturer's handbook and use the manufacturer's designated lifting points.
- Lift parts carefully during disassembly and installation. Ask for help with heavy or large items. Use jacks or lifting devices when available.
- Make sure all products are secure during disassembly and installation.
- Wear eye protection and protect any exposed skin throughout the installation. Drilling, cutting, and grinding plastic and metal can create flying particles that may cause injury.
- Use extreme caution when drilling, cutting, or grinding on a vehicle. Thoroughly inspect the area to be drilled on both sides of the material before making any modifications. Relocate any objects that could become damaged.
- Assemble and tighten all fasteners per the installation instructions.
- Route electrical cables carefully. Keep cables away from moving parts, parts that may become hot, and any rough or sharp edges.
- Insulate and protect all exposed wiring and electrical connections.

RealTruck Halo Stubby Front Bumper

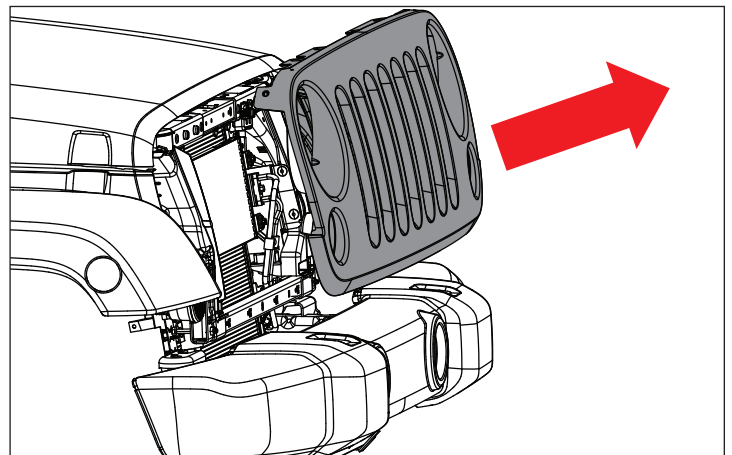
1. Disconnect factory turn signal from behind grille. Rotate bulb assembly down and toward center of vehicle. Pull bulb assembly out of turn signal housing.



2. Raise hood and remove (6) plastic pop rivets. First pull up on center pin to disengage rivets, then pull entire pop rivet up and out of grille.

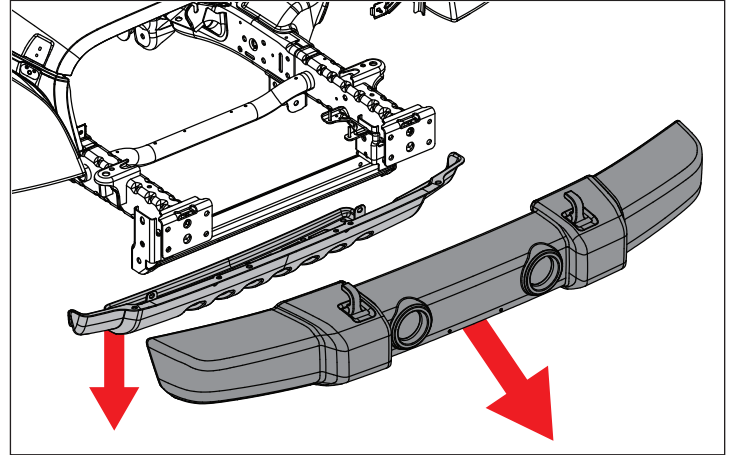


3. Pull bottom of grille away from vehicle to disengage metal clips on bottom rear of grille. Remove the factory grille from the vehicle.



RealTruck Halo Stubby Front Bumper

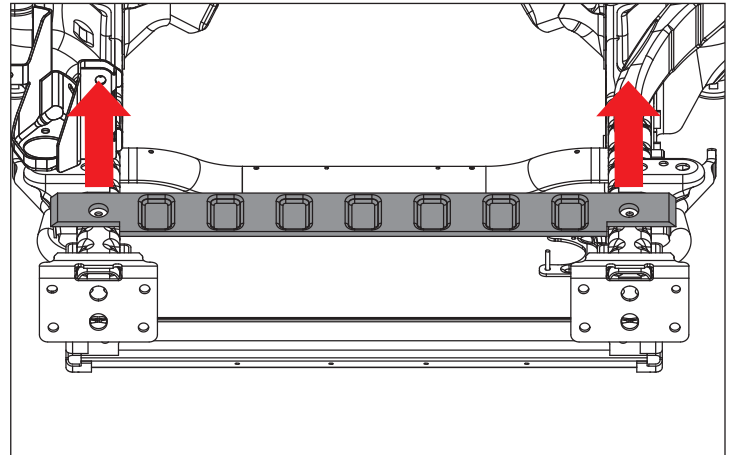
4. Remove factory under tray by releasing plastic fasteners along frame. Disconnect factory fog lights then remove front bumper.



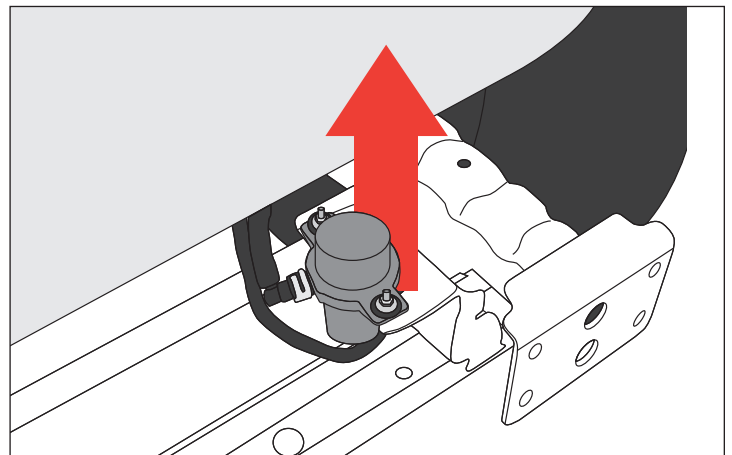
5. Remove factory closeout panel by releasing plastic fasteners along frame rails.

NOTE: Proceed to Step 6 if installing on 2012 to 2018 Wrangler JK.

Skip to Step 8 if installing on 2007 to 2011 Wrangler JK.

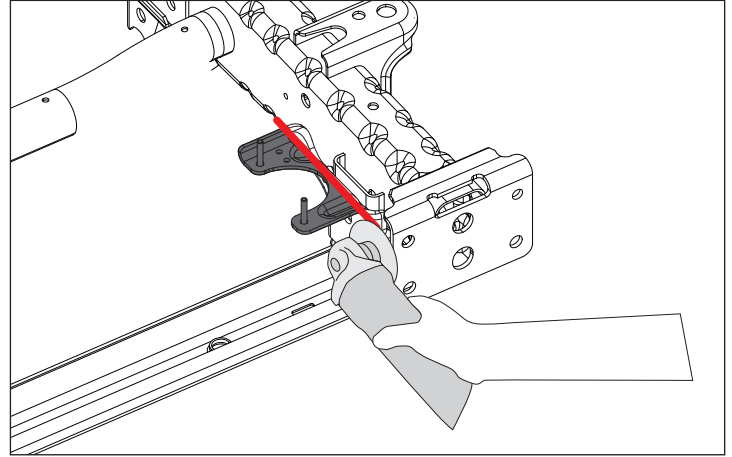


6. Unbolt factory vacuum pump and set aside.

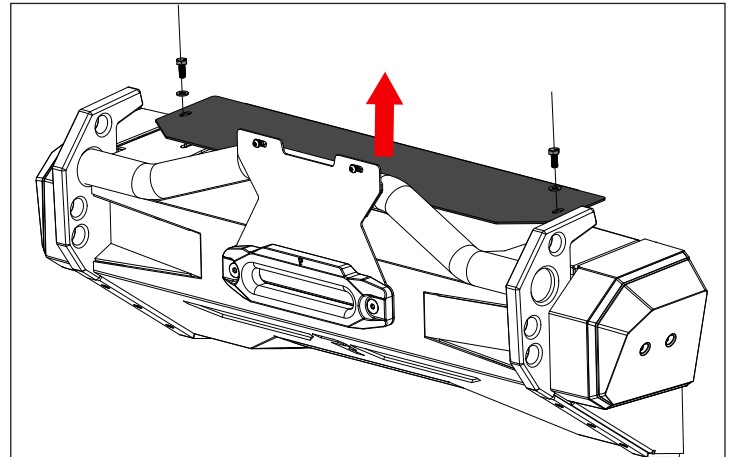


RealTruck Halo Stubby Front Bumper

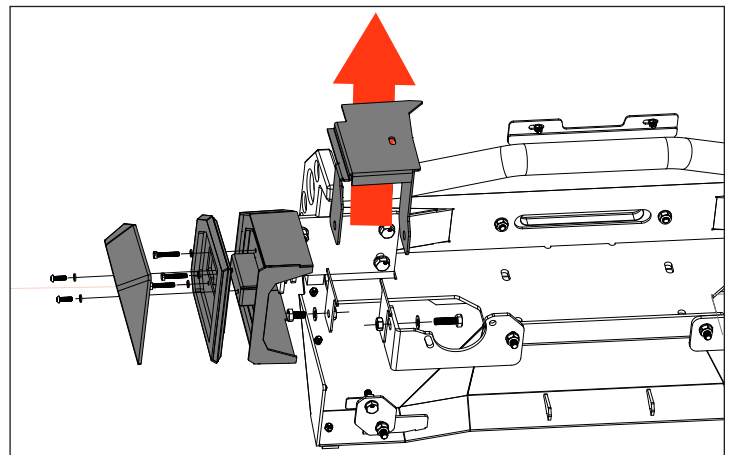
7. Using cutoff wheel, cut 3.5" off front and rear tab of vacuum pump mount bracket.



8. Unbolt the winch close out panel (#12). Set panel and hardware aside for later use.

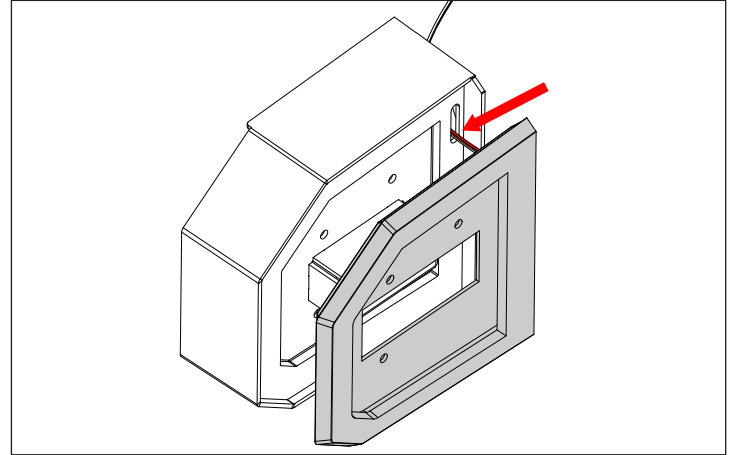


9. Unbolt the Bumper End - Caps (#3 & 5), Running Light (#19A & 19B), Bumper End - Base (#2 & 4), and Close Out Panels(#6 & 7). Set all removed items aside for later reinstall.



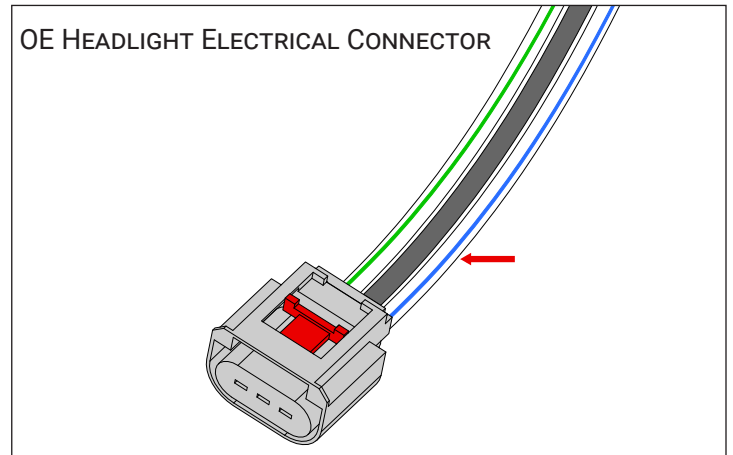
RealTruck Halo Stubby Front Bumper

10. Pass the wires of the Running Lights (#19A & 19B) through the Bumper End – Base (#2 & 4). Place the Bumper End – Bases (#2 & 4) and Running Lights (#19A & 19B) on the ground near frame horns. Ensure the driver side and passenger side ends are on the correct side. The driver side is shown in the image.

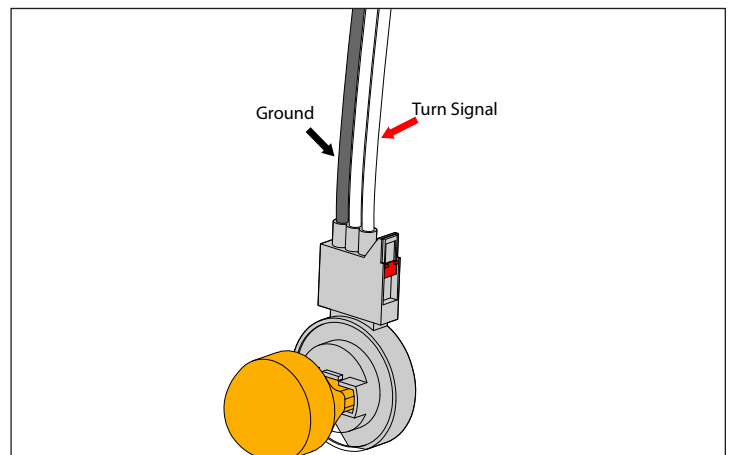


NOTE: Steps 11 and 12 provide where and which OE wires the Running Lights' (#19A & 19B) wires need to be connected to. Step 13 describes how to correctly use the Electrical Connectors (#37) to splice the wires together.

11. Disconnect the vehicle's battery. Remove the OE headlight. Locate the white wire with a red or blue stripe. You will splice in the red wire from the Running Lights (#19A & 19B) to the white wire with a red or blue stripe.

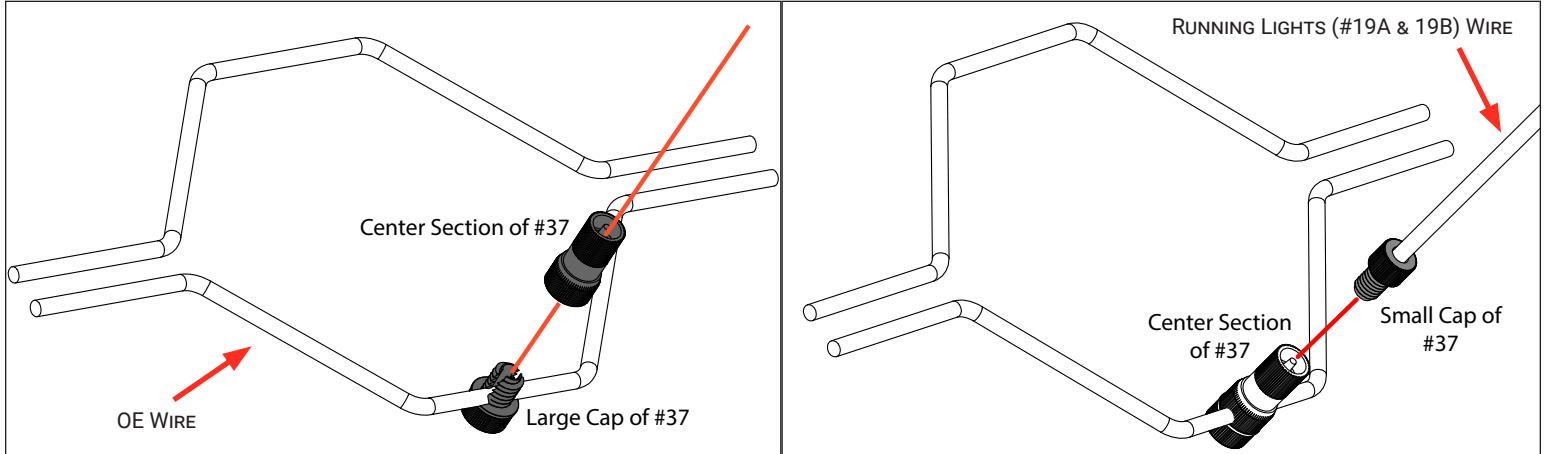


12. Locate the black wire on the OE turn signal connector, which is the ground. You will splice in the white wire from the Running Lights (#19A & 19B) to the OE black wire. Locate the OE white wire furtherest from the OE black wire, this wire provides power to the turn signal. You will splice in the yellow wire from the Running Lights (#19A & 19B) to this wire.

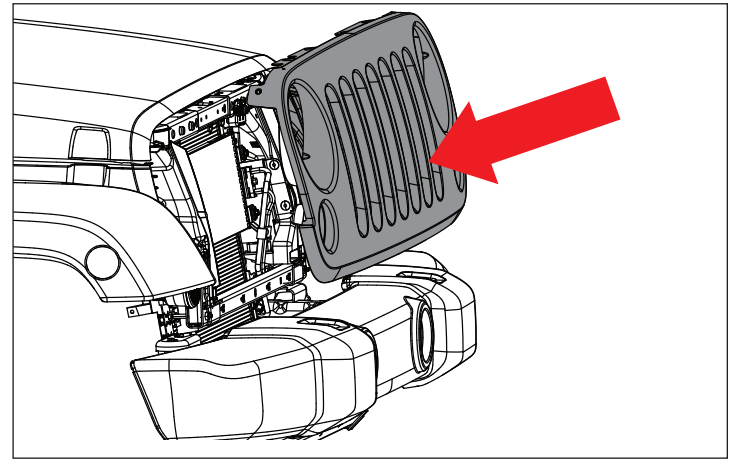


RealTruck Halo Stubby Front Bumper

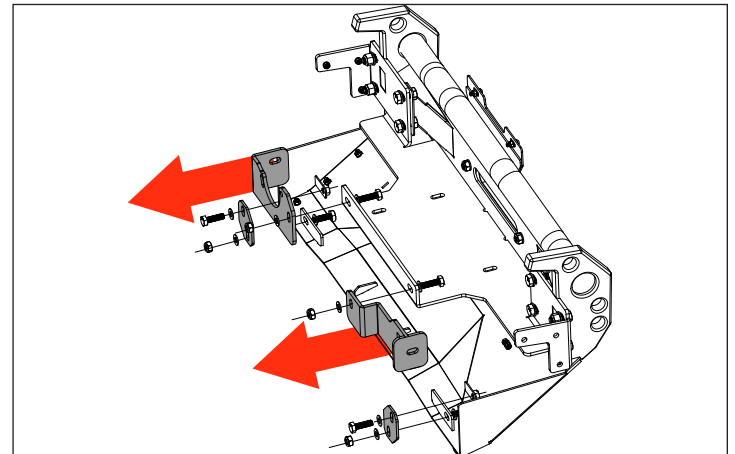
13. Strip the Running Lights (#19A & 19B) wires to expose ½ inch of wire. Run the wires from below the grille frame along the vehicle's frame up to either the factory headlight or front fender flare. Slide the large cap of the Electrical Connector (#37) over the OE wire as far as it will go. Carefully thread the center section of the Electrical Connector (#37) on to the large cap. Insert the Running Light's (#19A & 19B) wire through the small cap of the Electrical Connector (#37). Insert the small cap and wire into the center section of the Electrical Connector (#37). Push and turn the small cap until the threads catch, then screw on tight by hand. Slightly pull on the wires to make sure they do not slip out of the caps.



14. Reattach the grille, reusing plastic pop rivets. Reattach factory turn signal.



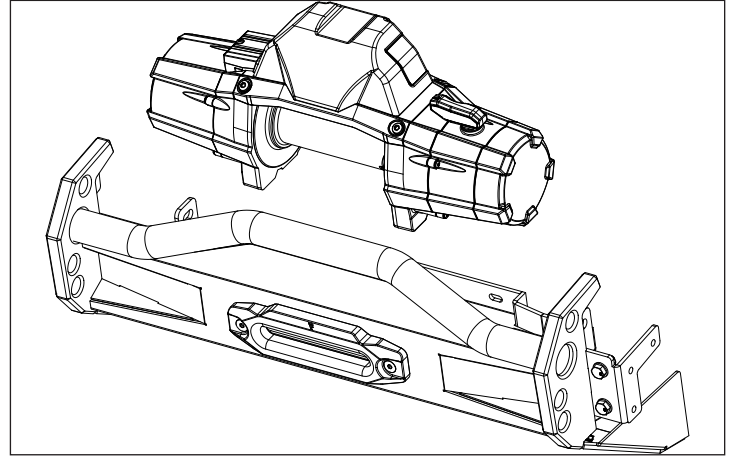
15. Unbolt Passenger and Driver Winch Tray Brackets (#9 & 10). Set all removed items aside for later install.



RealTruck Halo Stubby Front Bumper

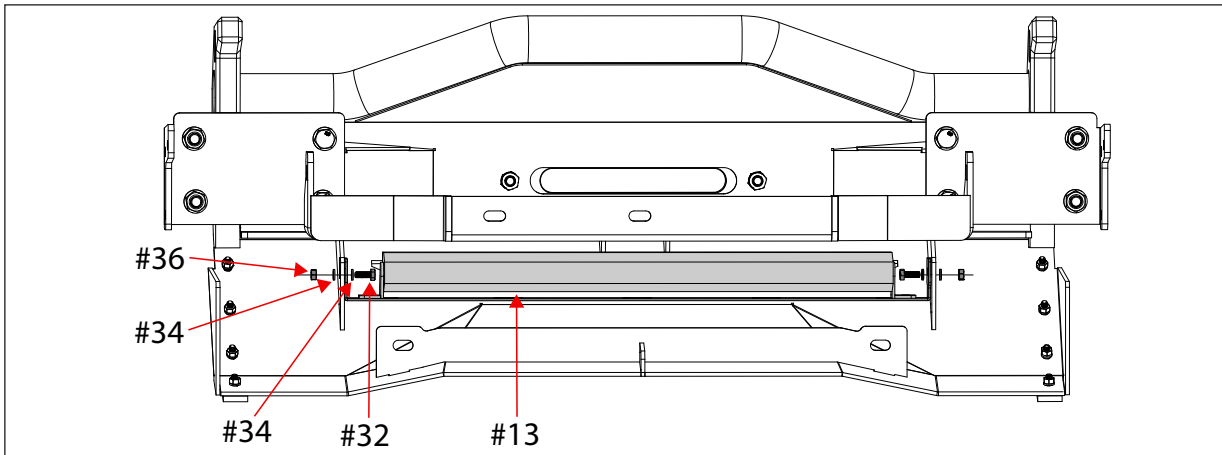
16. Skip to step 17, if you don't plan on mounting a winch.

To install a winch, loosely mount the winch to the bumper's winch tray. Follow the installation instructions provided with your winch.

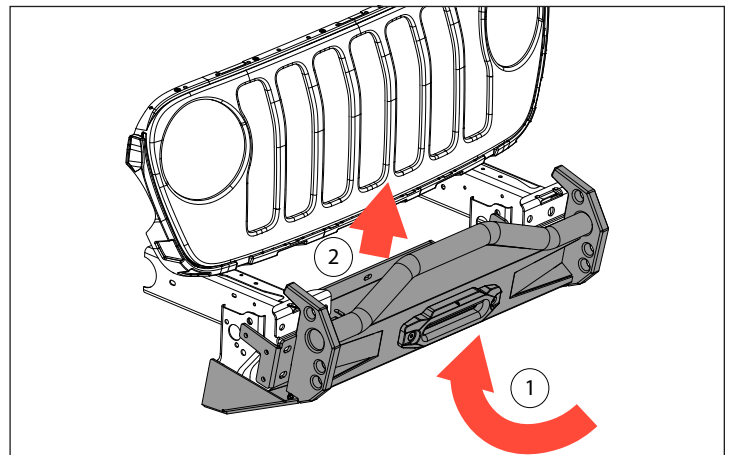


17. Skip to step 18, if you don't plan on mounting lights.

To install a light bar or light cubes, mount them to the Light Bracket (#13). Using the supplied M6 hardware (#32, 34 & 36) attach the Light Bracket and light(s) assembly to the bumper. Tighten M6 Hardware to 10Nm (8ft-lbs).

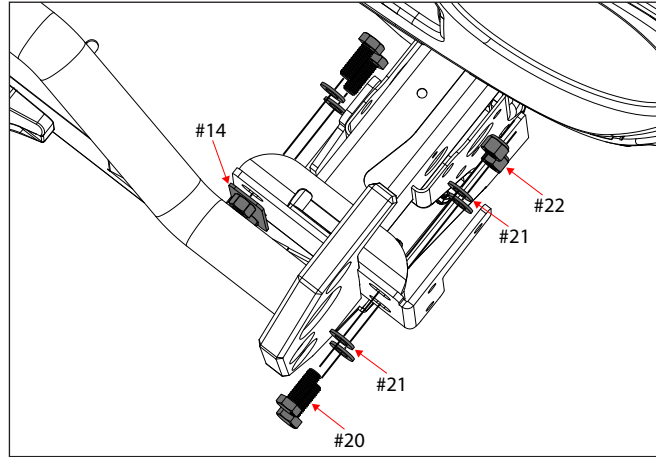


18. Remove M12 hardware from around the bumper's recovery hooks and set aside for later use. Align the bumper to vehicles frame horns, by swinging the winch tray side tabs under the frame horns.

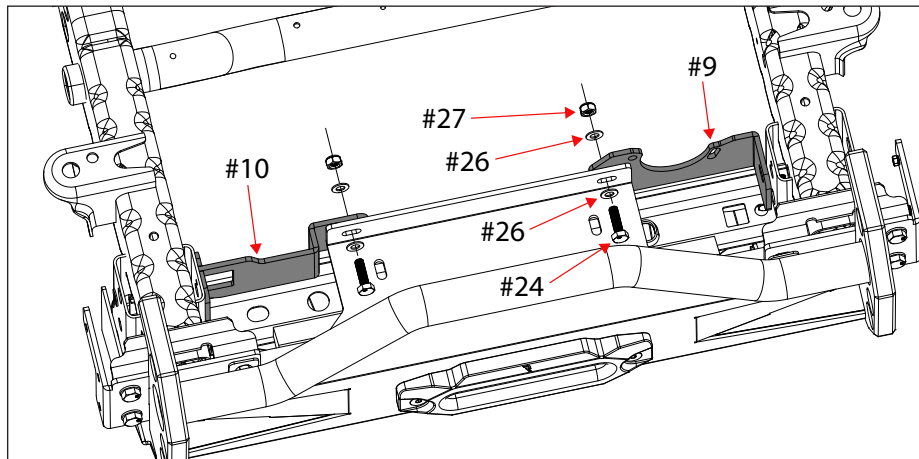


RealTruck Halo Stubby Front Bumper

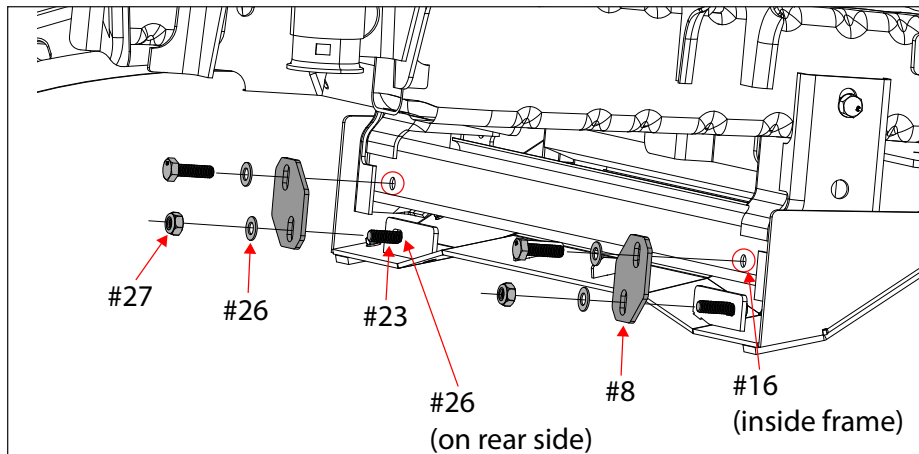
19. Using the previously removed M12 hardware (#20, 21 & 22) and M12 Nut Plate (#14), mount the bumper to the vehicle. Do not tighten any hardware at this time.



20. Using the previously removed M10 hardware (#24, 26 & 27), mount the Winch Tray Brackets (#9 & 10) to bumper. Do not tighten any hardware at this time.

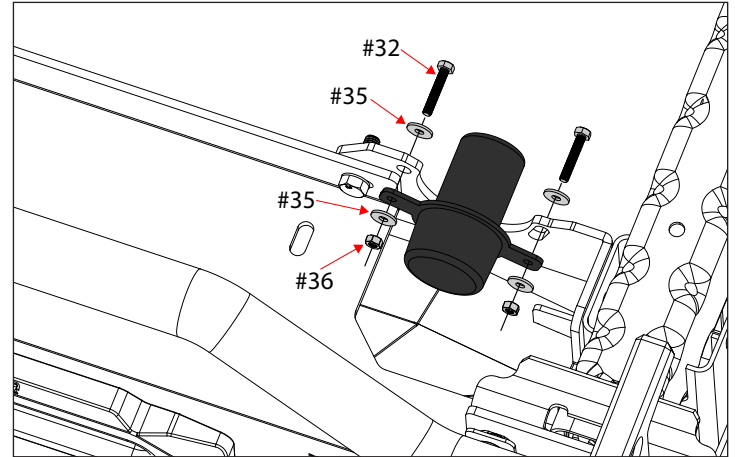


21. Position Lower Frame Nut Plate (#16) in frame cross member. Using M10 Hardware (23, 26 & 27), attach Support Brackets (#8) to bumper and cross member. Do not tighten any hardware at this time.

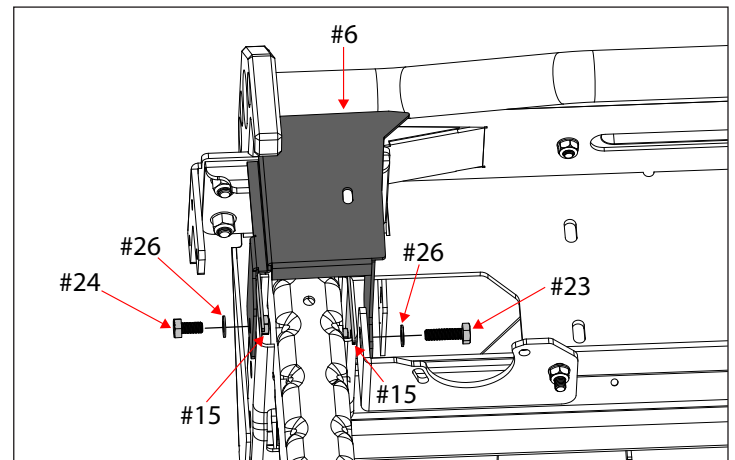


RealTruck Halo Stubby Front Bumper

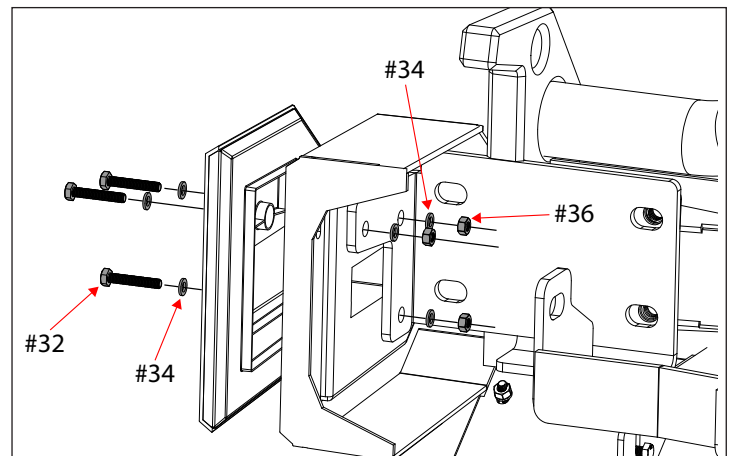
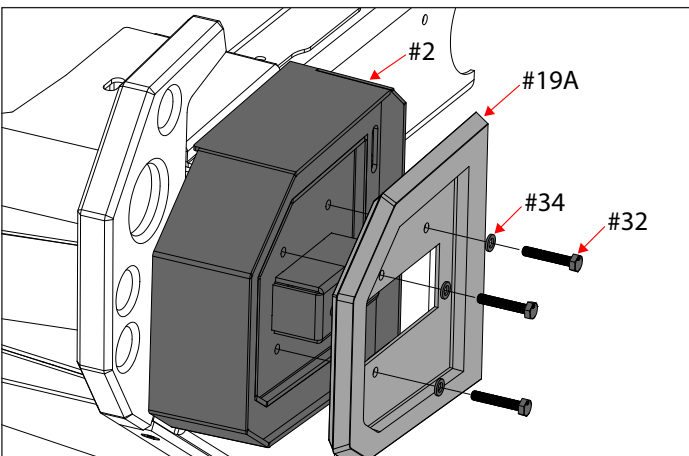
22. Using Supplied M6 hardware (#32, 35 & 36), attach factory vacuum canister to the driver side winch bracket. Tighten all hardware including the winch mounting bolts. Tighten M6 Hardware (#32, 35, & 36) to 10Nm (8ft-lbs). Tighten M8 Hardware to 27Nm (20ft-lbs). Tighten M10 Hardware (#23, 24, 26, & 27) to 55Nm (40ft-lbs). Tighten M12 Hardware (#20, 21, & 22) to 95Nm (70ft-lbs).



23. Align Left & Right Close Out Panels (#6 & 7) to vehicle. Using supplied T-Nut (#15) and M10 hardware (#23, 24 & 26), loosely attach Left and Right Close Out Panels (#6 & 7).

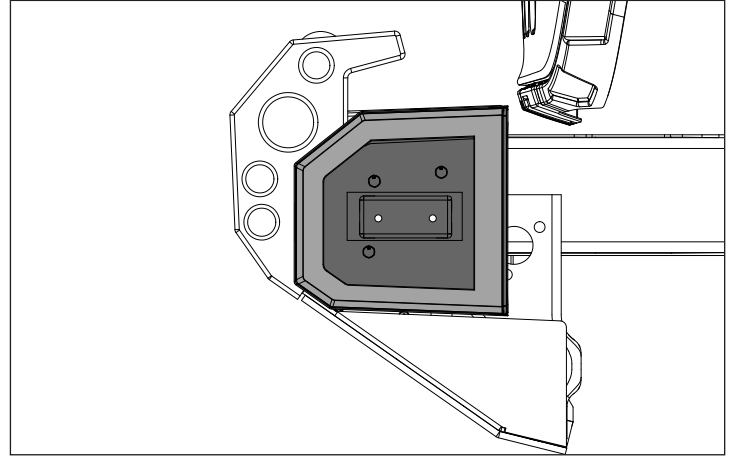


24. Using supplied M6 hardware (#32, 34 & 36), loosely mount Bumper End – Base (#2 & 4) and Bumper Running Light (#19A & 19B) to the bumper.

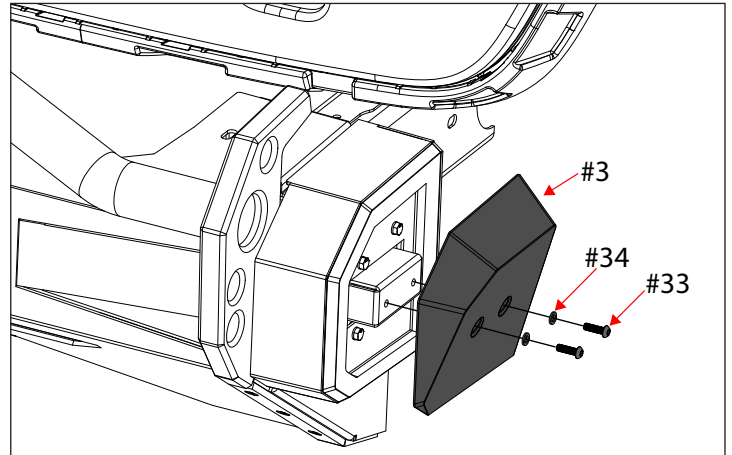


RealTruck Halo Stubby Front Bumper

25. Ensure Bumper Base – End (#2 & 4) and Close Out Panels (#6 & 7) line up. Tighten M6 (#32, 34 & 36) and M10 (#23, 24 & 26) hardware. Tighten M6 Hardware to 10Nm (8ft-lbs). Tighten M10 Hardware to 55Nm (40ft-lbs).

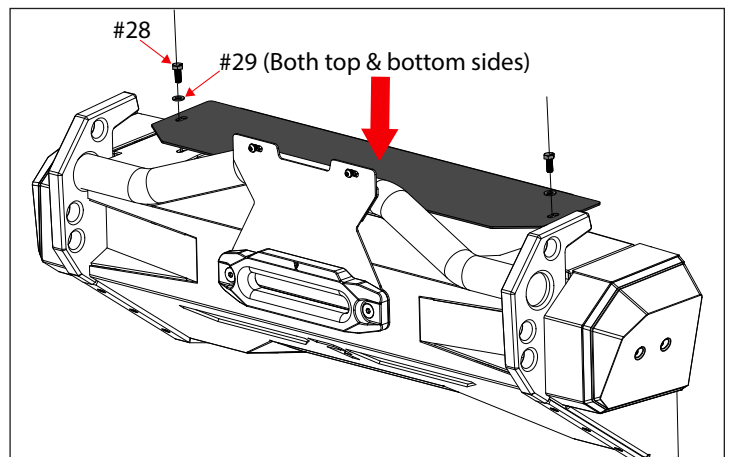


26. Using supplied M6 hardware (#33 & 34), attach Bumper End - Cap (#3 & 5) to bumper. Reconnect the factory battery and close hood. Tighten M6 Hardware to 10Nm (8ft-lbs).



27. **Skip this step if installing a Winch.**

Using supplied M8 hardware (#28, 29 & 30), attach Winch Close Out Panel (#12). Tighten M8 Hardware to 27Nm (20ft-lbs).



RealTruck Halo Stubby Front Bumper

LIMITED WARRANTY

WARRANTY COVERAGE

RealTruck warrants to Buyer that for a period of five (5) years from the date of shipment of the product(s) ("Warranty Period") for black finishes and chrome finishes, that such products will materially conform to the specifications set forth in RealTruck's specifications in effect as of the date of shipment(s) and will be free from material defects in material workmanship.

RealTruck warrants to Buyer that for the life of the product(s) from the date of shipment of the product(s) ("Warranty Period") for polished stainless steel finished products purchased after April 2004, that such products will materially conform to the specifications set forth in RealTruck's specifications in effect as of the date of shipments and will be free from material defects in material workmanship.

Warranty claims must be accompanied with the original invoice and photos of the product. It is the customer's responsibility to clean regularly and protect finish with regular applications of a nonabrasive polish that is compatible with the product's finish.

This warranty covers the cost of the product only and does not include the cost of removal, installation, third party modifications or shipping of the product. In no event shall RealTruck be liable to buyer or any third party for any damage or harm caused by the product or use thereof, regardless of weather such damages were foreseeable and whether or not RealTruck has been advised of the possibility of such damages, notwithstanding the failure of any agreed or other remedy of its essential purpose. This warranty is void if the product shows signs of alteration, misuse, mishandling, improper care, neglect, improper application and/or damage due to improper installation.

With respect to any such product(s) during the limited warranty period, RealTruck shall, in its sole discretion, either: (i) provide a one-time repair or replacement of such products (or the defective part) or (ii) credit or refund the price of such products at the pro rata contract rate provided that, if RealTruck so requests, Buyer shall, at RealTruck's expense, return such product(s) to RealTruck. The remedies shall be the Buyer's sole and exclusive remedy and RealTruck's entire liability for any breach of the limited warrant(ies).

RealTruck disclaims all other warranties except to the extent that any such warranty cannot be validly disclaimed under applicable law

Finish Limited Warranty:

Limited lifetime on stainless steel products (after April 2004) 5 year warranty on black powder coat products 5 year warranty on chrome products This warranty does not cover exposed welds

Finish warranty covers peeling, flaking, or cracking. Washing all finishes regularly with car wash soap and rinsing well with water is the best method for maintaining the finish on your products. You must also protect the finish with non-abrasive automotive wax on a regular basis. The use of any compound which contains abrasives becomes a self-defeating exercise as the compound scratches the finish and opens it to corrosion. The use of harsh chemicals used to remove bugs and tar may also cause the finish to fail and should be avoided.

If you are unsatisfied with your purchase please contact the establishment you purchased the product from.

RealTruck Halo Stubby Front Bumper

LIMITED WARRANTY

If you need to place a warranty claim or need assistance, the RealTruck customer service team will answer any questions you may have. Please contact the RealTruck customer service team at 1-888-427-4466 during normal business hours Monday thru Friday 7 am to 5 pm PST. You may also email warranty@gorhino.com. In order to better serve you please provide a copy of the original invoice / receipt, a photo of the issue you are experiencing and a photo of the vehicle the product is installed on.

All warranty returns must have an approved RGA number. The RGA number must be clearly marked on the exterior of the return package. All approved warranty returns must be shipped to RealTruck Products, 1002 Carriers Drive, Laredo, Texas 78045.

WARRANTY REGISTRATION

Warranty registration must be on file and/or proof of original purchase (detailed and dated receipt) required for warranty to be effective.

<https://realtruck.com/warranty-registration>

**REGISTER
YOUR
WARRANTY
ONLINE**

