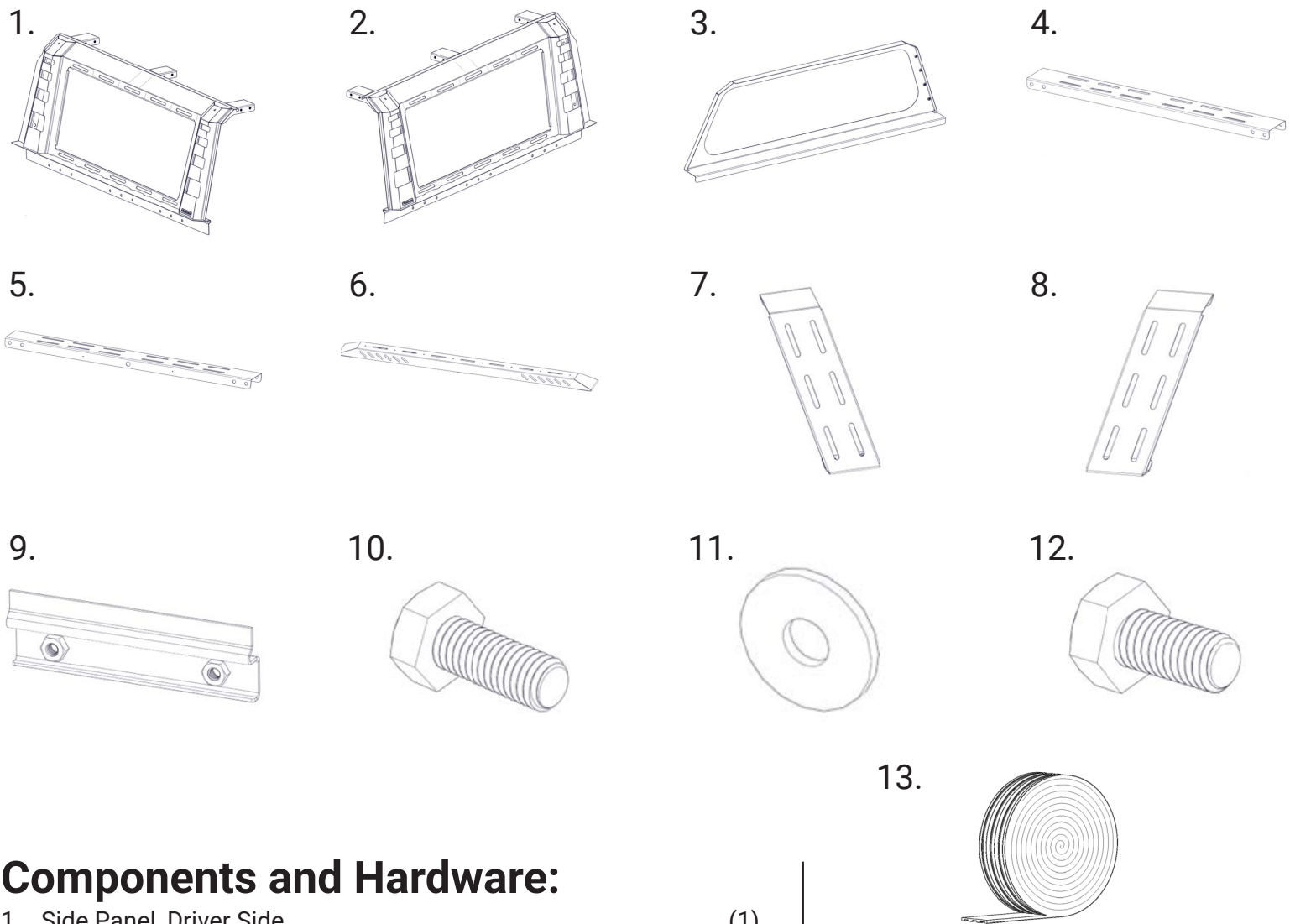


Components and Hardware:



Components and Hardware:

| | |
|---|--------|
| 1. Side Panel, Driver Side..... | (1) |
| 2. Side Panel, Passenger Side..... | (1) |
| 3. Cab Panel | (1) |
| 4. Crossmember | (1) |
| 5. Crossmember, Rear | (1) |
| 6. Top Support Member..... | (2) |
| 7. Side Accessory Bracket, Driver Side..... | (2) |
| 8. Side Accessory Bracket, Passenger Side..... | (2) |
| 9. Bed Wall Mount Bracket | (6) |
| 10. M8 X 1.25 X 20mm Bolt | (56) |
| 11. M8 Washers | (64) |
| 12. M8 X 1.25 X 16mm Bolt | (8) |
| 13. Rubber Seal | (Roll) |
| 14. RT298504-3 - 3rd Brake Light and Wiring Kit | (1) |

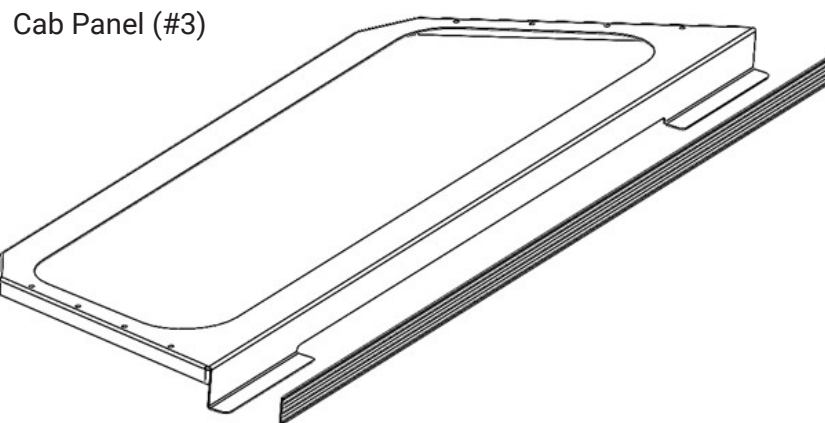
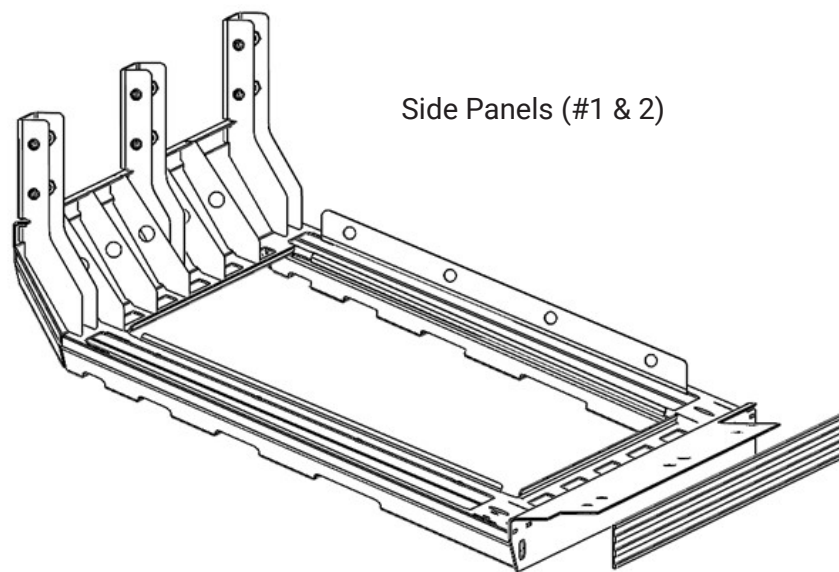
Tools for Installation:

- Wire Snips
- Pliers
- 13mm Wrench
- Scissors or Cutting Tool
- Mild Soap
- Glass Cleaner
- Denatured Alcohol
- Cleaning Rags

Ascend Rack

Prior to assembly - Rubber Seal

Measure the length of the bottom flange on both Side Panels (#1 & 2) and the Cab Panel (#3). Unroll the included Rubber Seal (#13) then cut to the length measured for each panel. Remove the adhesive film then firmly press the Rubber Seal (#13) onto each bottom flange.



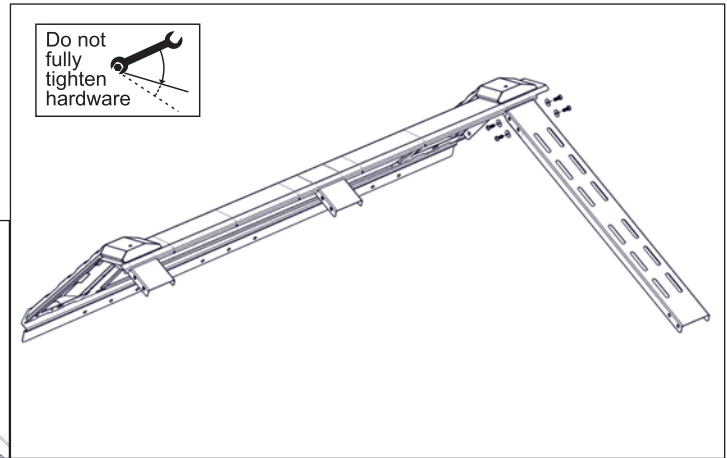
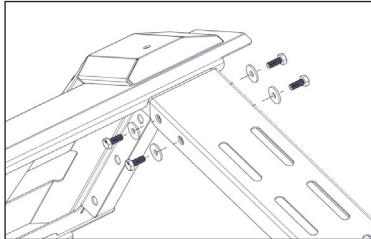
Ascend Rack



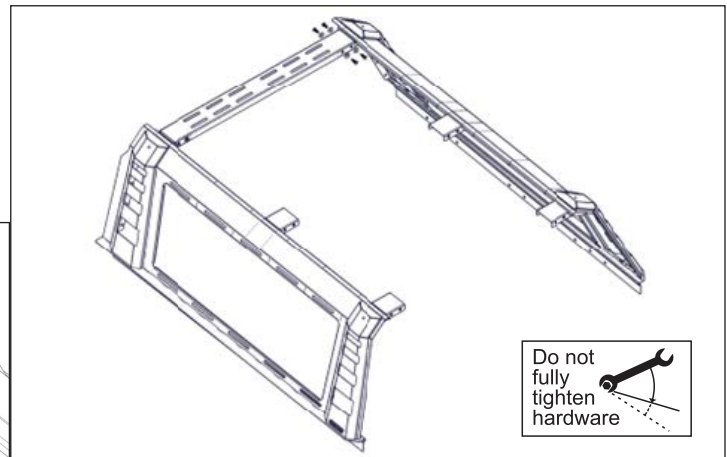
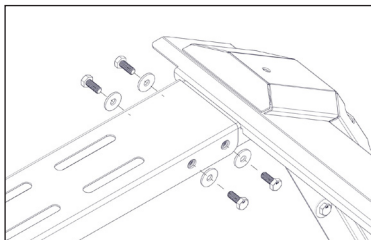
This installation recommends two people for lifting and assembly

Assembling Ascend Rack

1. Starting in the front/cab, install Crossmember, Cab End (#4) to Side Panel, Driver Side (#1) with 2 M8 x 1.25 x 20mm Bolts (#10) and 2 M8 Washers (#11). Loosely fasten.

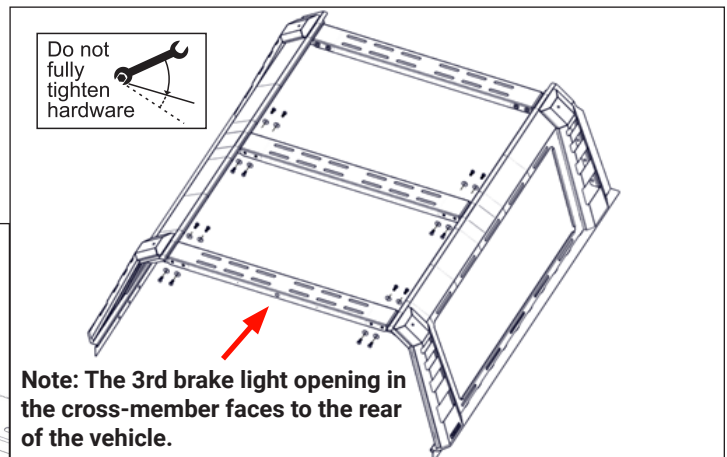
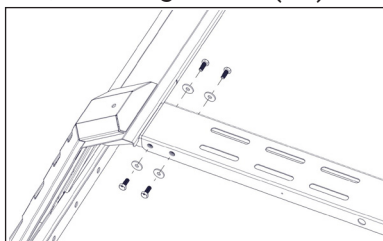


2. Install Side Panel, Passenger Side (#2) to Crossmember, Cab End from Step 1 with 2 M8 x 1.25 x 20mm Bolts (#10) and 2 M8 Washers (#11). Loosely Fasten.



3. Working your way toward the rear/tailgate, install Crossmember, Middle (#4) to Side Panel, Driver Side (#1) from Step 1 and Side Panel, Passenger Side (#2) with 2 M8 x 1.25 x 20mm Bolts (#10) and 2 M8 Washers (#11). Loosely fasten.

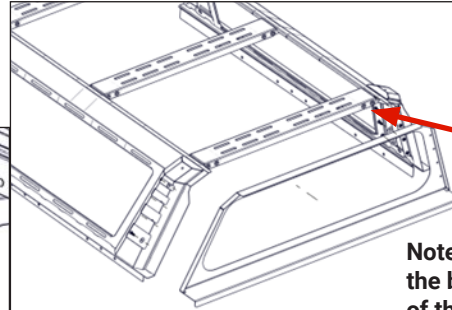
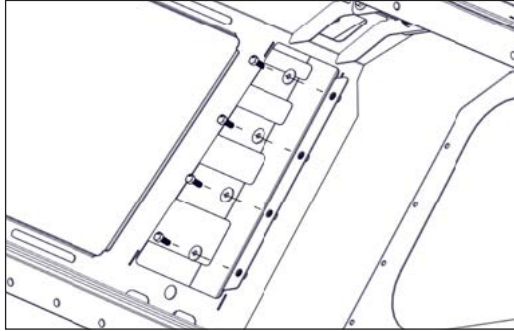
Install Crossmember, Tail End (#5) to Side Panel, Driver Side (#1) from Step 1 and Side Panel, Passenger Side (#2) from Step 2 with 2 M8 x 1.25 x 20mm Bolts (#10) and 2 M8 Washers (#11) on each side. Loosely fasten.



Ascend Rack

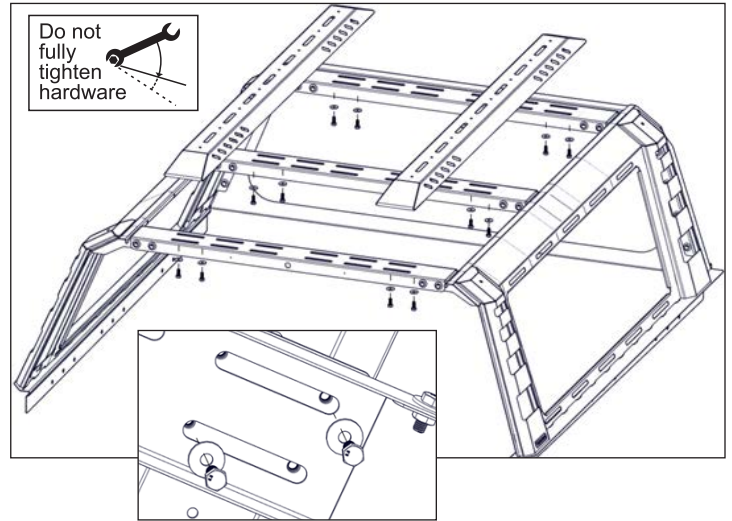
4. Install Cab Panel (#3) to front of Side Panel, Driver Side (#1) from Step 1 and Side Panel, Passenger Side (#2) from Step 2 with 4 M8 x 1.25 x 20mm Bolts (#10) and 4 M8 Washers (#11) on each side.

Tighten the front crossmember bolts and leave the rest of the hardware loosely secured.



Note: You must tighten the bolts on the front side of the front crossmember now. They will not be accessible once the Cab Panel is attached.

5. Install the 2 Top Support Members (#6) to the top of the rack using 4 M8 x 1.25 x 20mm Bolts (#10) and 4 M8 Washers (#11) on each support member. Loosely fasten.



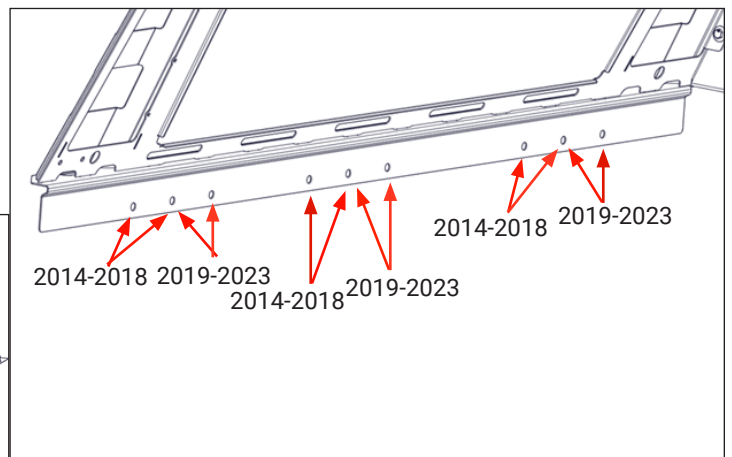
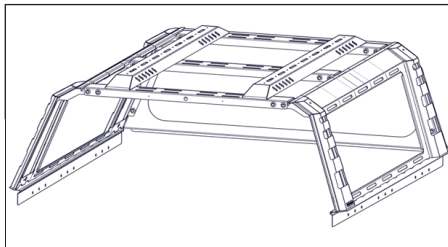
Preparing the Truck

Clean the truck and rear window of the cab and the truck's bed rails to remove all dirt and grime. To help protect the truck's bed finish, lay a piece of carpet or cardboard down during installation. It is also recommended that you tape off areas of the truck that could be impacted by the rack during installation.

Installing the Ascend Rack on the Truck Bed

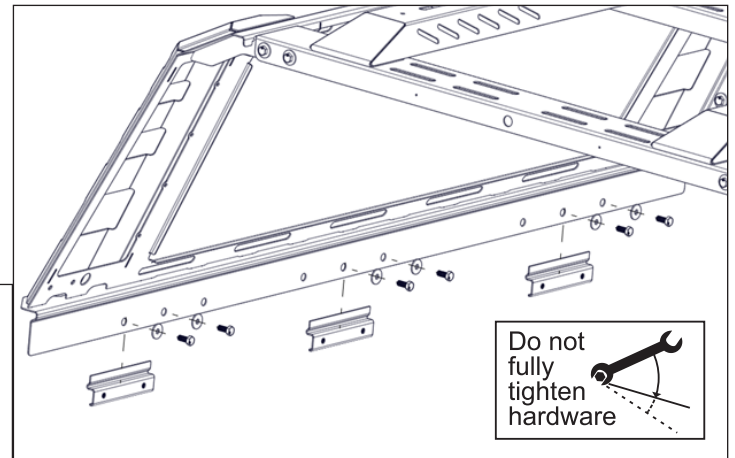
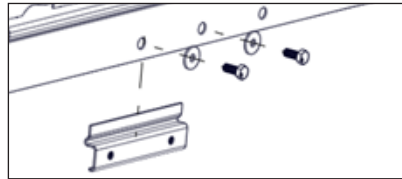
6. Once the main shell is put together, it is recommended that you and another person lift the whole shell onto the truck bed. Make sure the flange at the bottom of the Cab Panel (#3) is over the front of the bulkhead behind the cab and the flange at the bottom of the Side Panel, Driver Side (#1) and Side Panel, Passenger Side (#2) are inside the plastic rail caps on each side.

Do not tighten anything down yet.



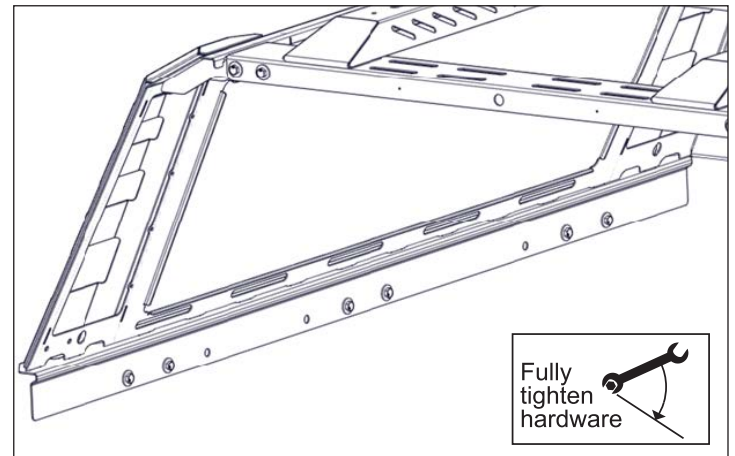
Ascend Rack

7. Once the main shell is on top of the truck bed you can install the 3 Bed Wall Mounting Brackets (#9) to the bottom of the flange on Side Panel, Driver Side (#1) and Side Panel, Passenger Side (#2) using 6 M8 x 1.25 x 20mm Bolts (#10) and 6 M8 Washers (#11). Make sure the mounting brackets are behind the flange and the holes are lined up with the holes in the side panels. Loosely fasten.

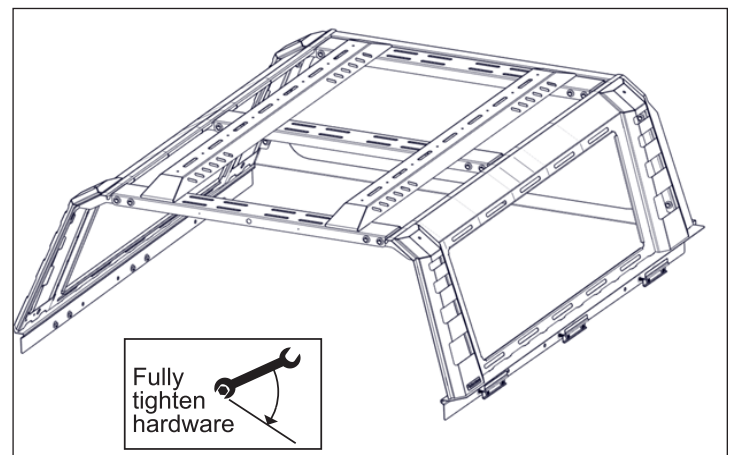


Final Adjustments

8. Make sure the rack frame is square on the truck bed and that you have all the components where they belong before tightening down all the bolts. Fully tighten hardware at this time.



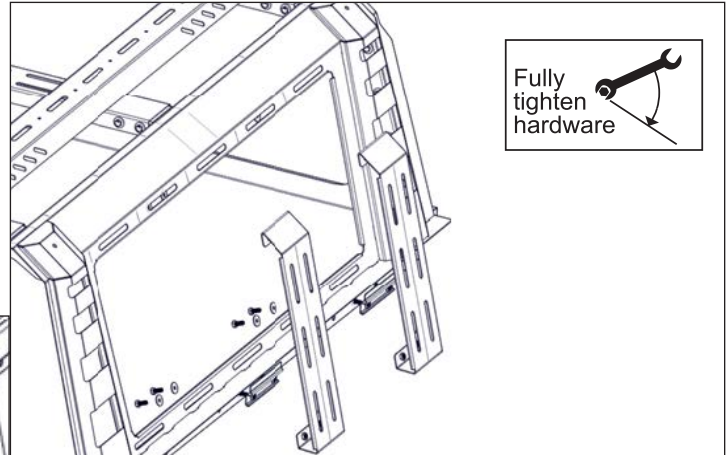
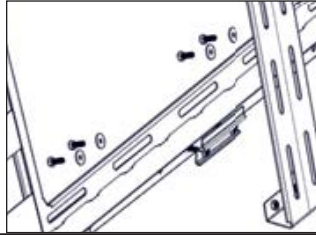
9. Fully tighten all hardware on main rack. Recommended torque is 14 ft lbs.



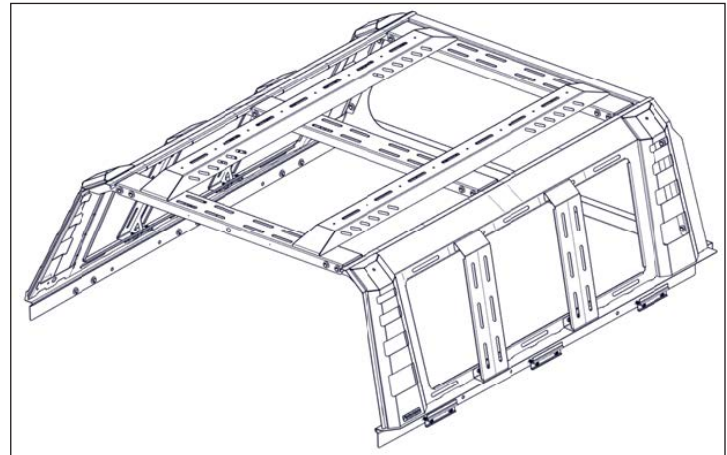
Ascend Rack

Installing Side Accessory Brackets

10. Install the 2 Side Accessory Bracket, Driver Side (#7) and 2 Side Accessory Bracket, Passenger Side (#8) to the Side Panels (#1 & 2) using 2 M8 x 1.25 x 16mm Bolts (#12) and 2 M8 Washers (#11) at the top. Use 2 M8 x 1.25 x 20mm Bolts (#10) and 2 M8 Washers (#11) at the bottom of each Side Accessory Bracket, Driver (#7) and Passenger Sides (#8). Fully tighten hardware. Recommended torque is 14 ft lbs.

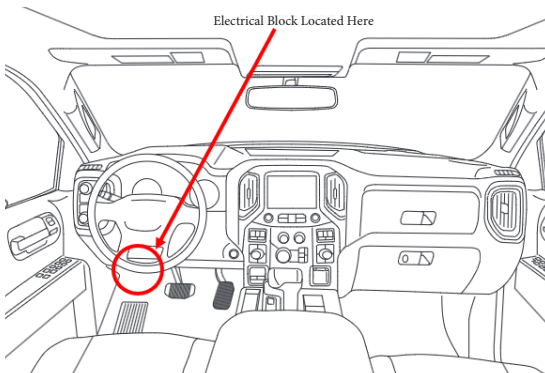


11. Install Complete.



2014-2019 - 3rd Brake Light Wire Harness Installation

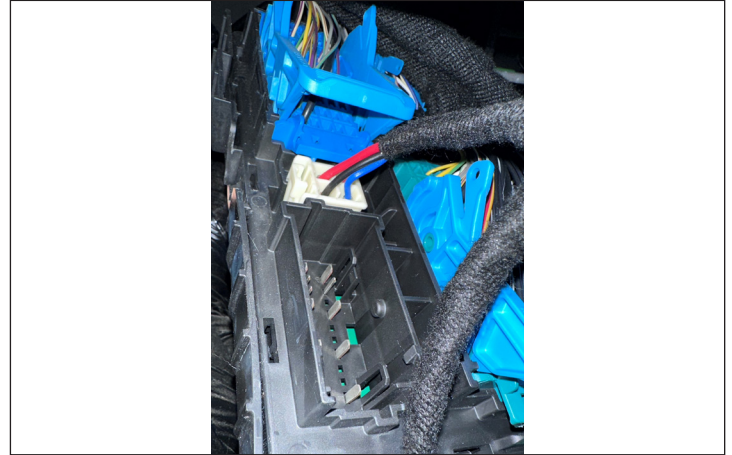
12. Locate the covered electrical block under the driver's side dash between the parking brake and brake pedal.



Ascend Rack

13. To remove the cover from the electrical block, disengage the 2 clips located on the brake pedal side of the cover and the 1 clip on the parking brake side of the cover.

Plug the tan connector from the provided jumper harness into the receptacle located in the middle of the left side of the electrical block as shown. If a plug is already occupying the needed receptacle, remove the plug and connect it to the teal connector on the jumper harness.



Optional Cable Routing

14. Lift the driver's side carpet and insulation then locate the factory installed rubber grommet.

Using the provided extension harness, feed the white 3 pin connector from the bottom of the cab into the passenger compartment.

Plug the extension harness into the white connector on the jumper harness.

Route the cables up towards the firewall and click the cover back onto the electrical block.

Run the extension harness to the rear of the vehicle then up to the rear crossmember on the Ascend Rack.

2020+ - 3rd Brake Light Wire Harness Installation

15. Locate the loose plug to the left of the brake pedal taped to the factory harness.

Remove the filler plug from the connector, or if another harness is plugged into the connector, remove the existing connector.



Ascend Rack

16. Plug supplied T-harness into the new unoccupied connector.

If existing harness was removed, plug existing harness into the other side of the provided T-harness.

Optional Cable Routing

Lift the driver's side carpet and insulation to find the factory installed rubber grommet.

Using the provided extension harness, feed the white 3-pin connector from the bottom of the cab into the passenger compartment.

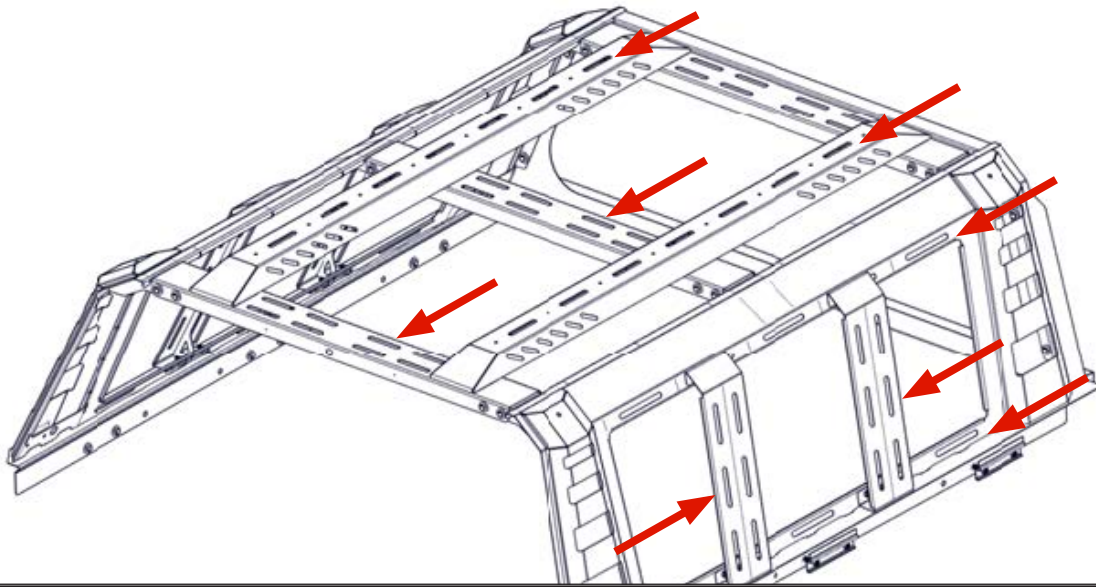
Plug the extension harness into the white connector on the jumper harness.

Run the extension harness to the rear of the vehicle, and up to the rear crossmember on the Ascend Rack.



Ascend Rack

NOTE: The Ascend Rack is designed for the customer to bolt on accessories only, it was not designed for any type of ratcheting style tie-down straps (example shown below right). Straps with “cam” style buckles is recommended (example shown below left) as long as they are not used in conjunction with any type of force multiplier. The 2nd image shows where the “cam” style straps should be secured to the Ascend Rack. If ratcheting style straps are required, the installer should utilize the vehicles’ designated tie down loops.



Safety Guidelines

- Make sure to periodically check that bolts are tight.
- Ensure that all accessories are securely mounted.
- Do not exceed maximum load rating, Dynamic (Vehicle moving) - 500 lbs, Static (Vehicle parked) - 1000 lbs.
- Do not exceed maximum load rating of tent manufacturer, if applicable.
- Be aware of reduced clearance when accessories are mounted on top of the rack.

Warranty Information

See warranty information on [RealTruck.com](https://www.RealTruck.com).