

REAR WINCH KIT



P/N 2889698

MISSING OR DAMAGED PARTS

Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

If your accessory was purchased online, please contact POLARIS® customer service at **1-800-POLARIS** (US & Canada only).

APPLICATION

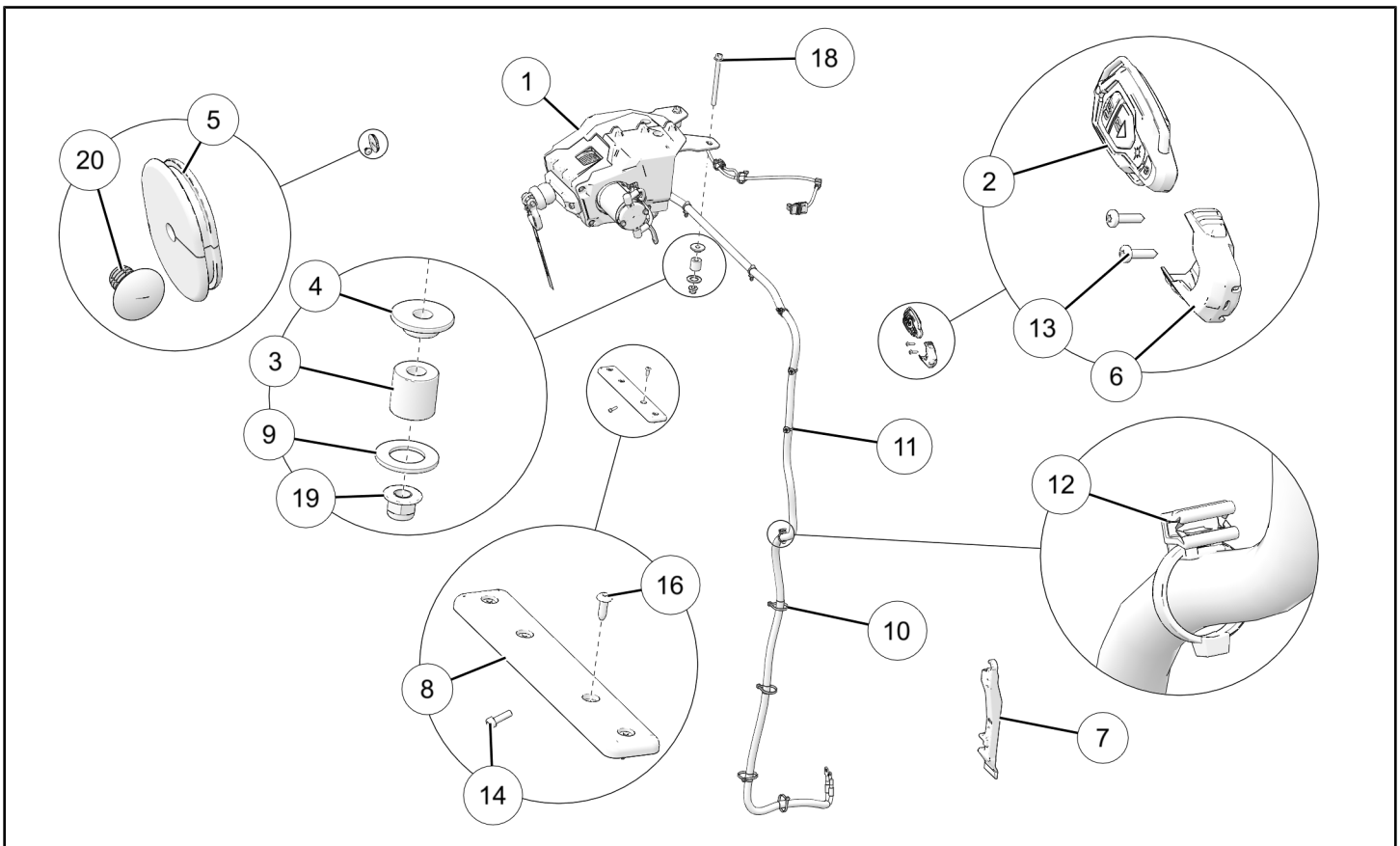
Verify accessory fitment at www.polaris.com.

REQUIRED SOLD SEPARATELY

Only parts for installation of the Rear Winch Kit are included. For complete installation, the following additional kit is required (sold separately):

- *Rear Rack Kit, P/N 2889666*

KIT CONTENTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Winch, Rear Rack	2638916	n/a
2	1	Wireless Winch Remote	4080061	n/a

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
3	2	Winch Mount Spacer	n/a	2209634
4	2	Winch Mount Spacer	5144860	2209634
5	1	Grommet, Wire Seal, Winch	5418532	n/a
6	1	Wireless Remote Holder	5454269	n/a
7	1	Winch Harness Cover	5465241	n/a
8	1	Winch Rope Guide, Bed	5465419	n/a
9	2	Washer, Rubber, Seal	n/a	2209634
10	7	Cable Tie	7060492	n/a
11	2	Clip, Push Pin	7081496	n/a
12	1	Clip, Edge	7082402	n/a
13	2	Screw, Torx®, Self-Threading, #10 x 3/4 in	7512026	n/a
14	2	Screw, M5 x 0.8 x 16 mm	7517314	n/a
15	2	Screw, Hex, Flange, M10 x 1.5 x 40 mm	7518446	2209634
16	4	Screw, Torx®, Self-Threading, #14 x 3/4 in	7519045	n/a
17	4	Screw, Hex, Flange, M8 x 1.25 x 60 mm (not used)	n/a	2209634
18	2	Screw, Hex Head, M10 x 1.5 x 125 mm	7528284	2209634
19	4	Nut, Hex, Flange, Locking, M10 x 1.5 mm	7548029	2209634
20	9	Clip, Plastic, Dart	7670088	2209634

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 7/8 in (22 mm)
 - 1/8 in (3 mm)
- Screwdriver, Slotted
- Socket Set, Metric
- Socket Set, Torx® Bit
- Tape Measure
- Torque Wrench
- Wrench Set, Metric

IMPORTANT

Your Rear Winch Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

INSTALLATION INSTRUCTIONS

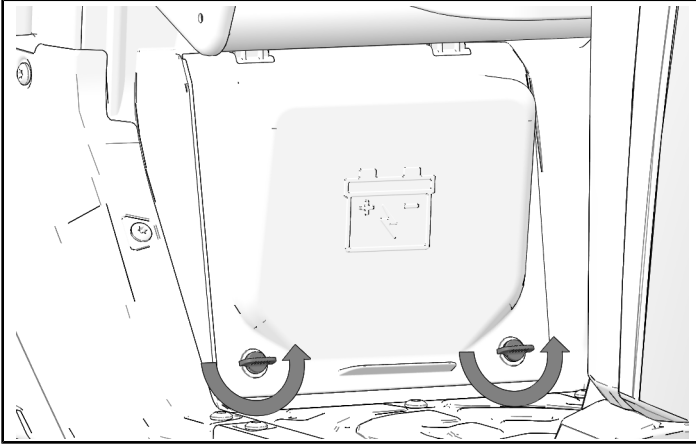
VEHICLE PREPARATION

GENERAL

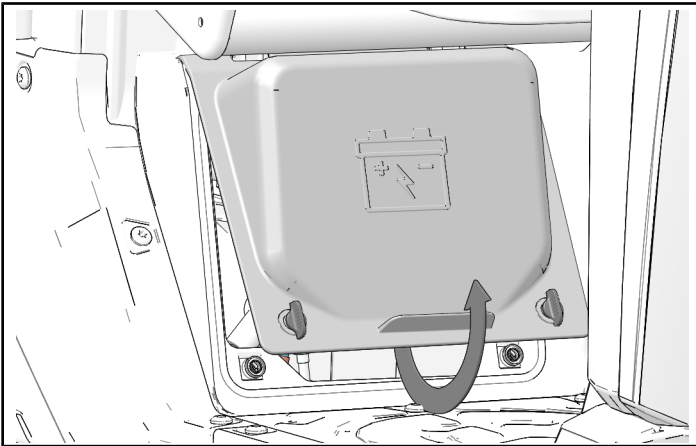
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

BATTERY DISCONNECT

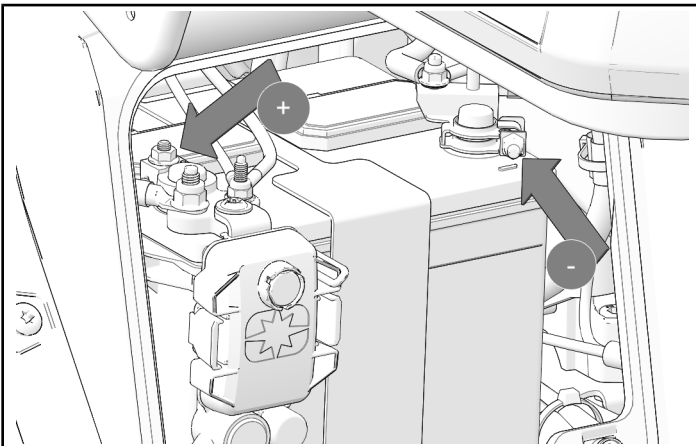
1. Turn two quarter turn fasteners.



2. Lift battery compartment cover.



3. Disconnect negative cable first. Disconnect positive cable second.



ACCESSORY INSTALLATION

NOTICE

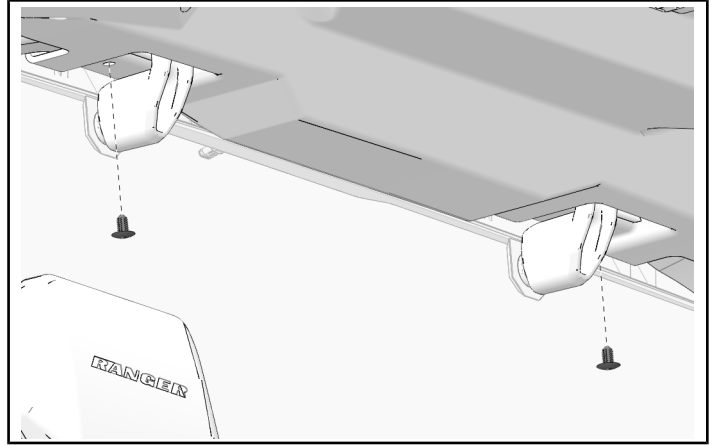
Polaris recommends enlisting a helper for Rear Winch Kit installation.

ROOF PREPARATION

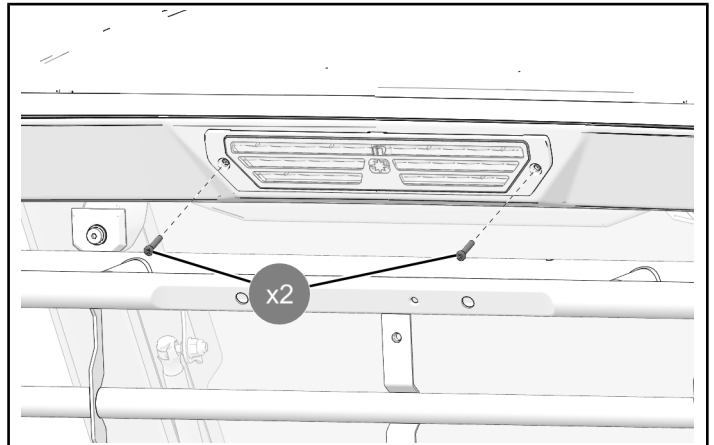
1. Remove push dart clips from rear of roof liner.

NOTICE

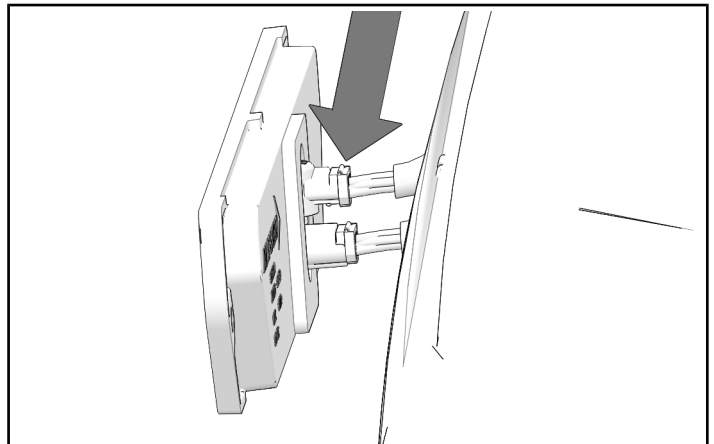
Install will be required to pull down roof panel to access roof structure during winch installation.



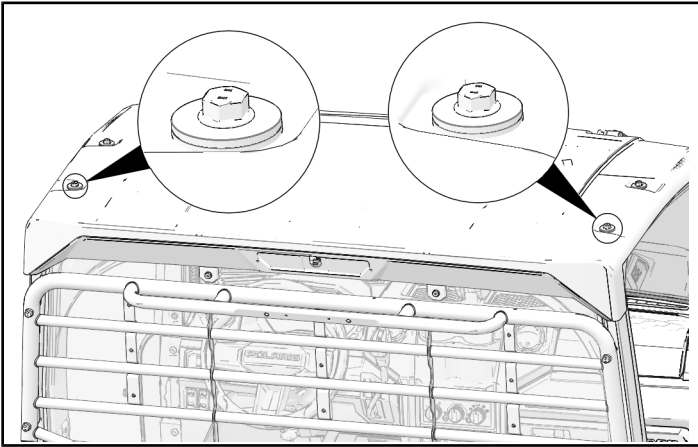
2. Remove two screws from cargo light.



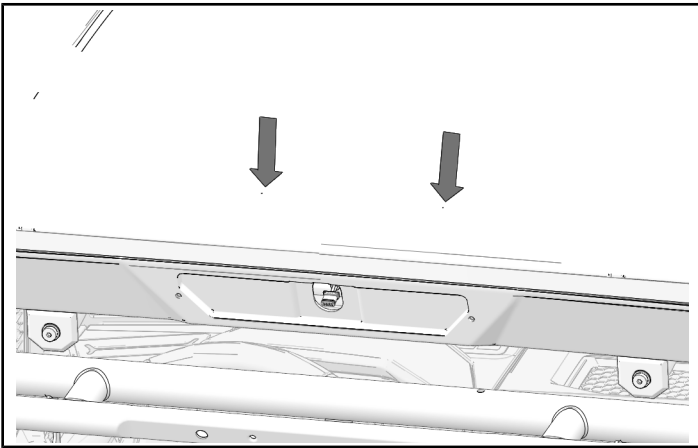
3. Disconnect wiring from cargo light. Keep cargo light.



4. Remove two rear screws from roof.



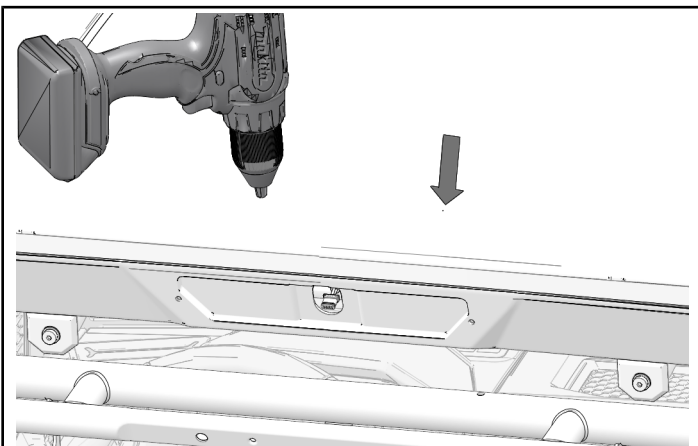
5. Find two dimpled drill points in roof.



6. Drill holes at each drill point.

MEASUREMENT

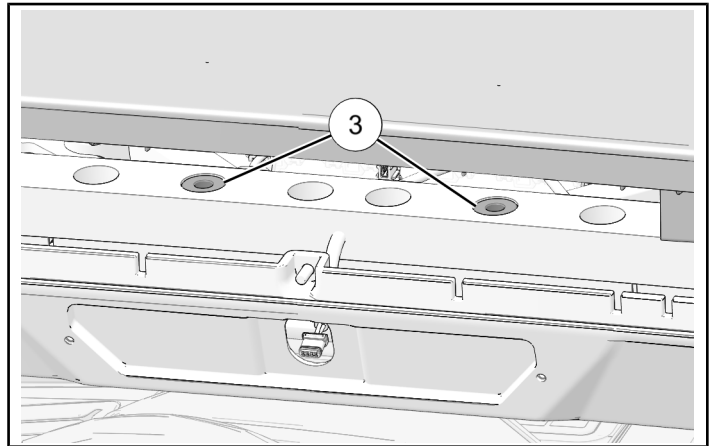
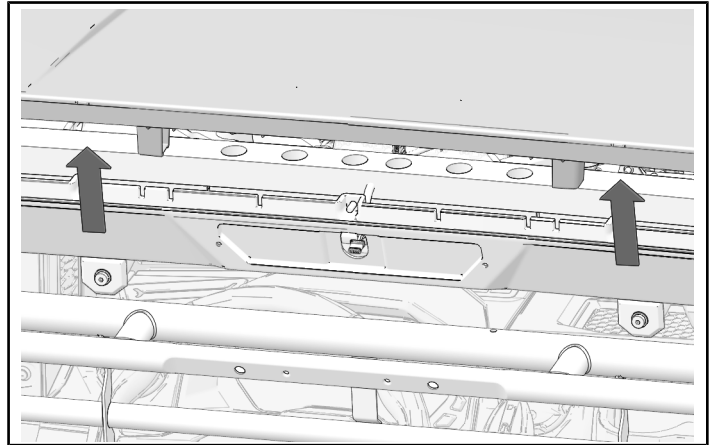
Drill Bit Size: 7/8 in (22 mm)



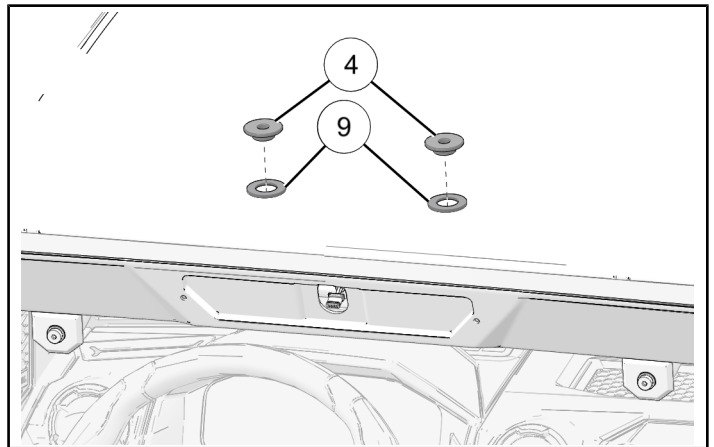
7. Lift up on roof and install two spacers (3) in drill location. Replace roof.

TIP

Foam will have cutouts in locations where spacers are installed.



8. Put rubber seal washers (9) and winch mount spacers (4) in drilled holes on roof.

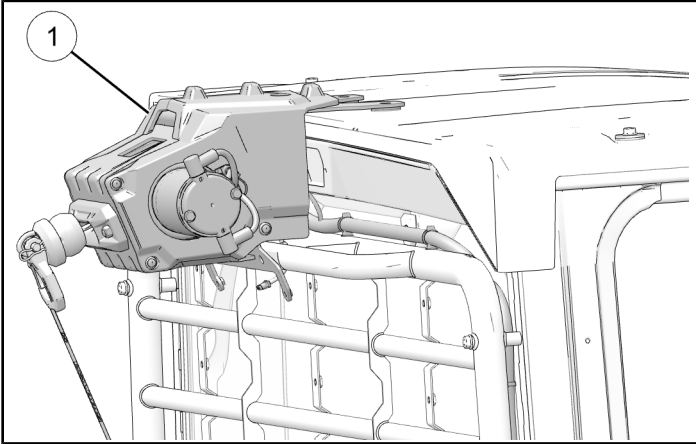


WINCH INSTALLATION

1. Put winch assembly ① in position on roof.

IMPORTANT

Enlist a helper to complete winch installation. One person should hold winch while second person lifts up on roof and routes wiring.



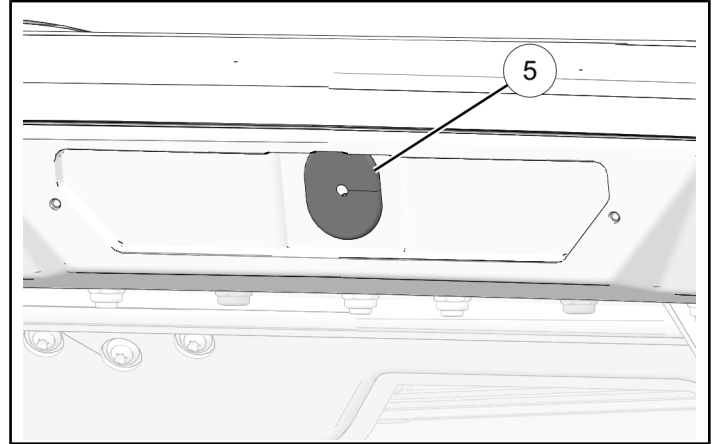
2. Lift up on roof and route Polaris Pulse® and work light wiring through hole in back of cab and install grommet ⑤.

NOTICE

Winch assembly ① hidden to show installed grommet.

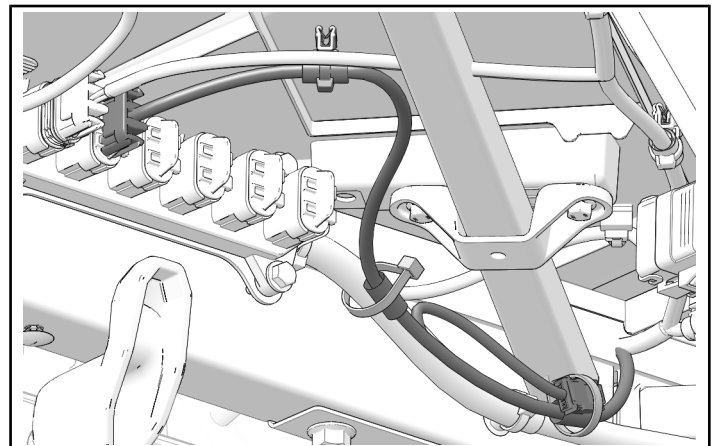
IMPORTANT

Make sure grommet ⑤ is fit around wiring before feeding wiring through opening. Only Pulse® wiring is routed through grommet.

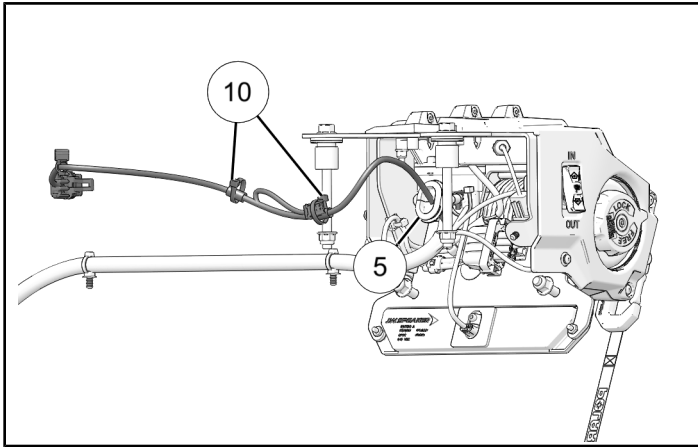


NOTICE

Routing shown. Do not connect wiring at this time.



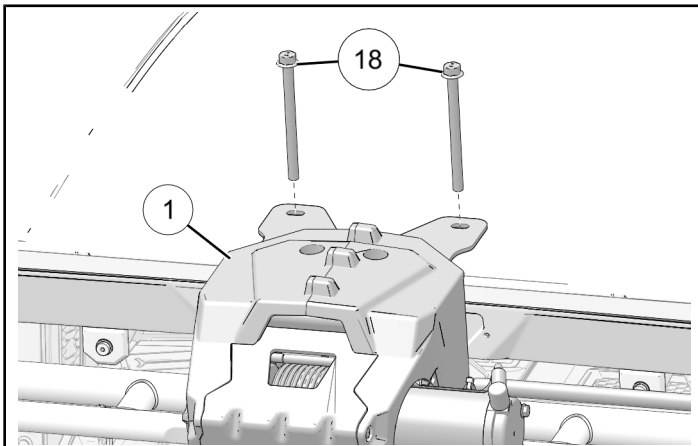
- Attach wiring to existing harness using cable ties **10**. Make sure wiring is not pinched and routed through grommet **5**.



- Line up holes on winch assembly **1** and install two screws **18**.

IMPORTANT

Make sure two screws **18** install through previously installed spacers **3**.



- Loosely install nuts **19** on screws **18**.

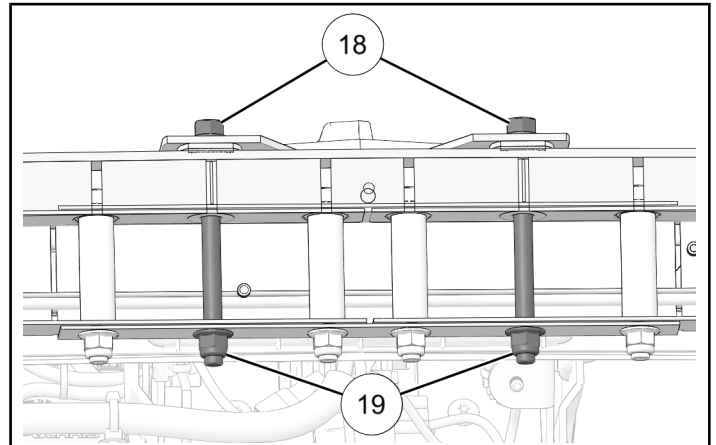
DO NOT torque fasteners at this time.

NOTICE

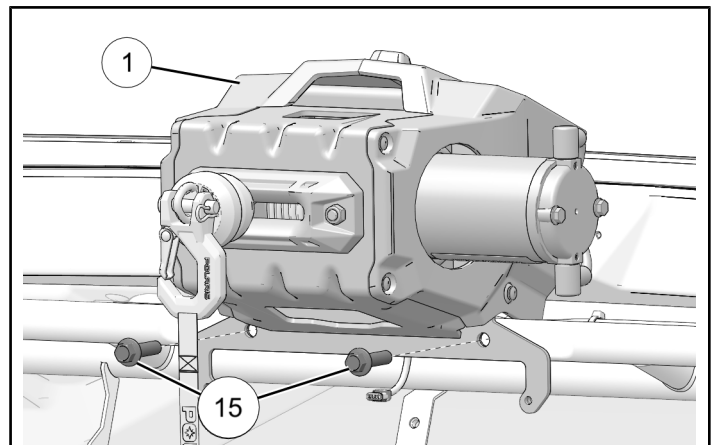
Cutaway view of vehicle shown.

IMPORTANT

Two people required.

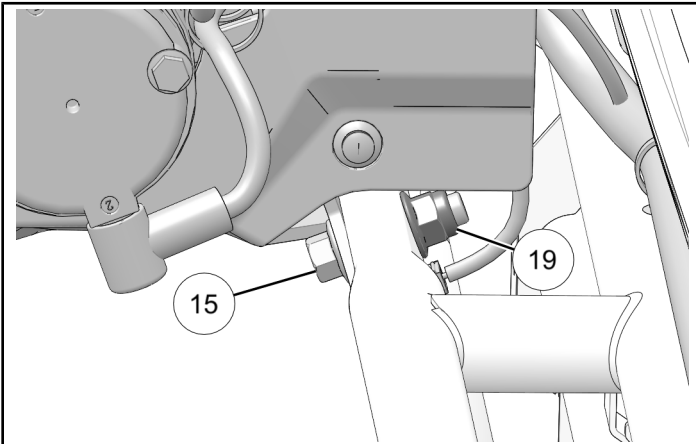


- Install two screws **15** through winch assembly **1** mounting holes and mounting holes in headache rack.

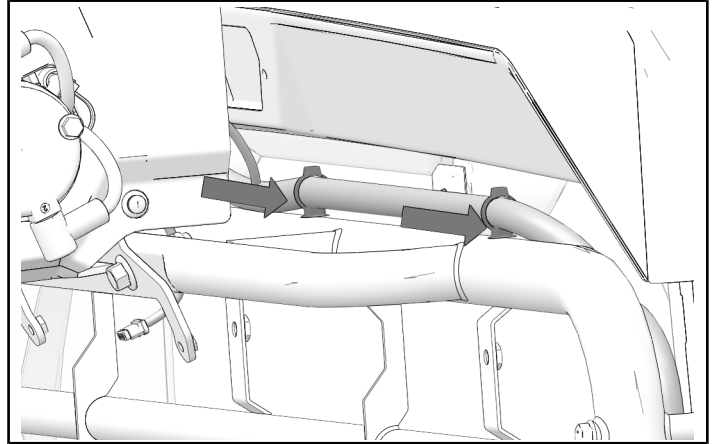


7. Loosely install two nuts ⑱ on mounting screws ⑮.

DO NOT torque fasteners at this time.



2. Route winch cables along top of headache rack. Attach to headache rack using pre-installed push dart clips.

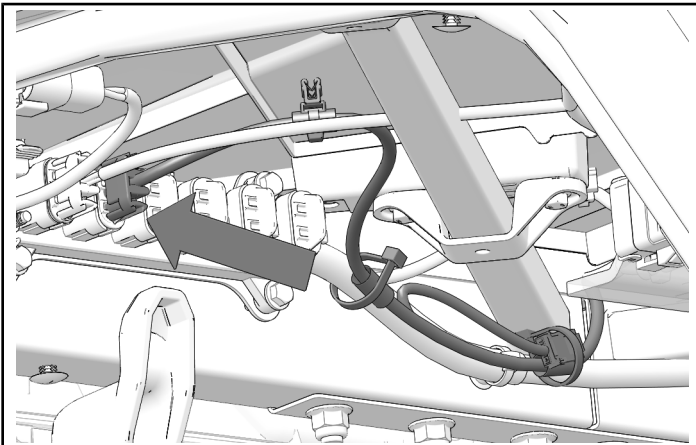


ROUTE WINCH HARNESS

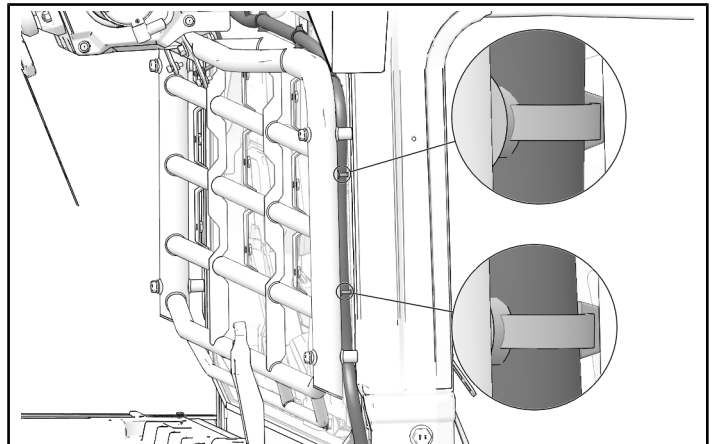
1. Connect winch harness to Polaris Pulse® bar. Attach wiring to molded rib in roof panel using pre-installed edge clip.

NOTICE

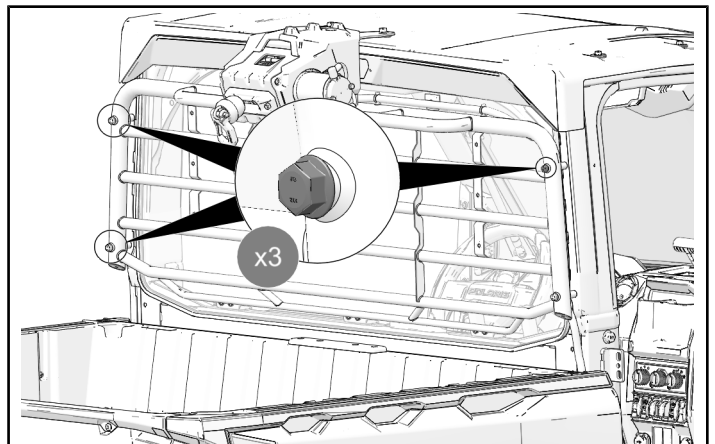
Second plug will connect to cargo light if equipped.



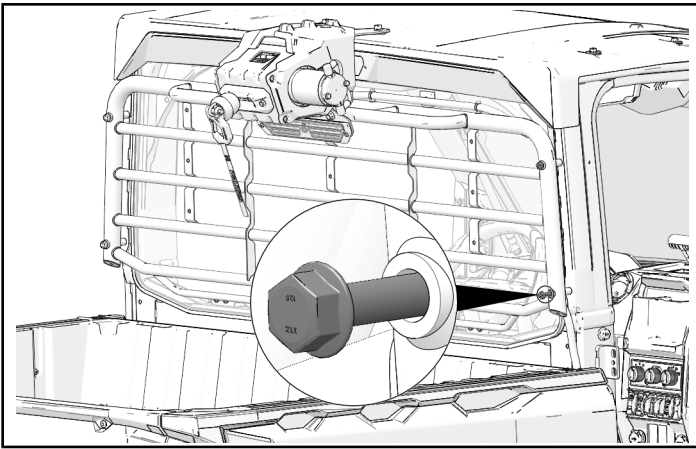
3. Route cables down right side of headache rack and attach using pre-installed push dart clips.



4. Loosen, but do not remove, three rack mounting screws.



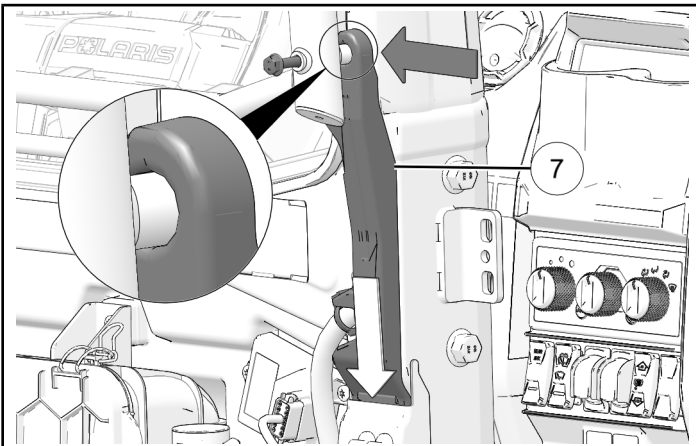
5. Remove and keep rack mount screw.



6. Install bottom tab of winch harness cover ⑦ in space between frame brace and back of cab structure. Pull rack away from vehicle so winch harness cover can be put in place. Align hole in harness cover and install rack mount screw.

IMPORTANT

Make sure winch cables are routed inside winch harness cover and are not pinched.

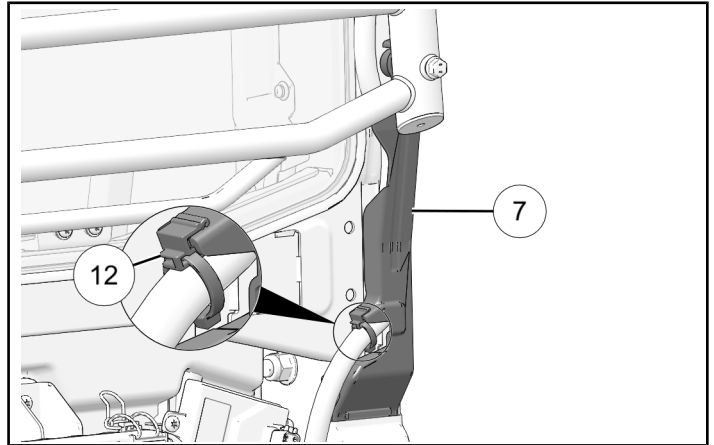


7. Torque four headache rack mount screws to specification.

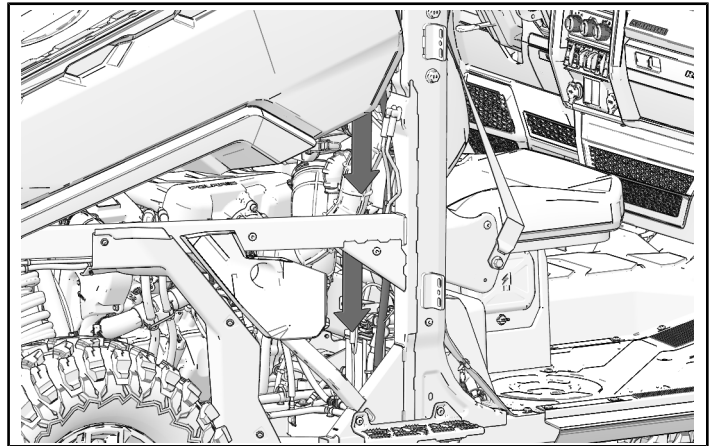
TORQUE

Rack Mount Screws:
16 ft-lbs (22 N·m)

8. Attach winch cables to winch harness cover ⑦ using edge clip ⑫.



9. Route winch cables along chassis to area behind battery.



10. Route cables into battery compartment area.

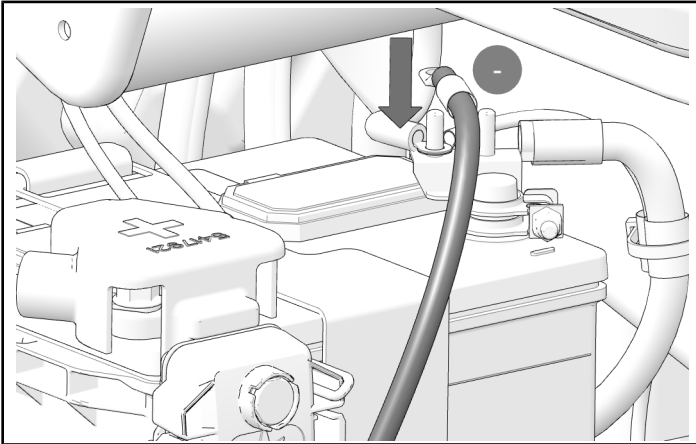
11. Identify which revision of winch cable is being installed and follow the installation steps for that revision.

NOTICE

Winch cable will be labeled Rev 1 or Rev 2.

REV 1 HARNESS INSTALLATION

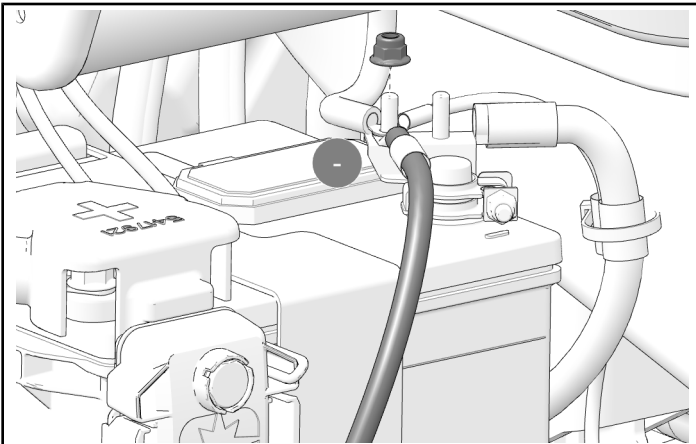
1. Pull winch harness forward until ground cable reaches negative (-) connection on battery.



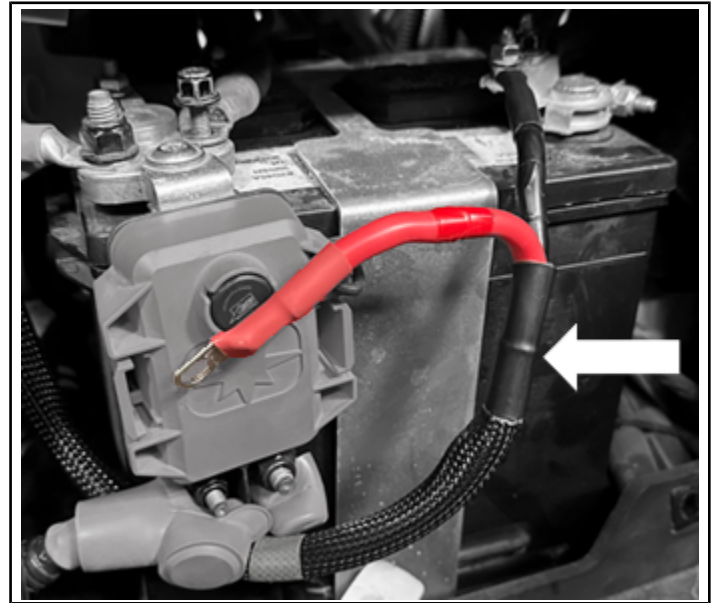
2. Attach negative (-) ground cable to battery with battery post nut. Torque to specification.

TORQUE

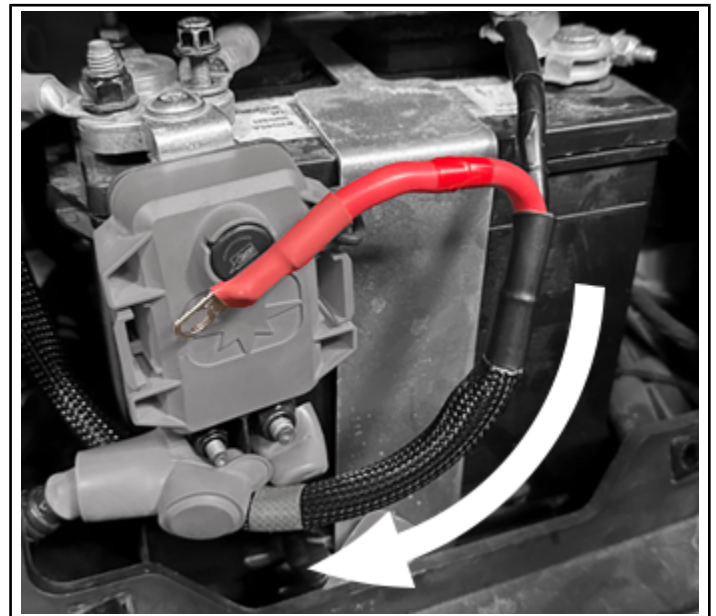
Battery Post Nut:
60 in-lbs (7 N·m)



3. Cut heat shrink tubing wrapped around positive (+) and negative (-) winch cables.



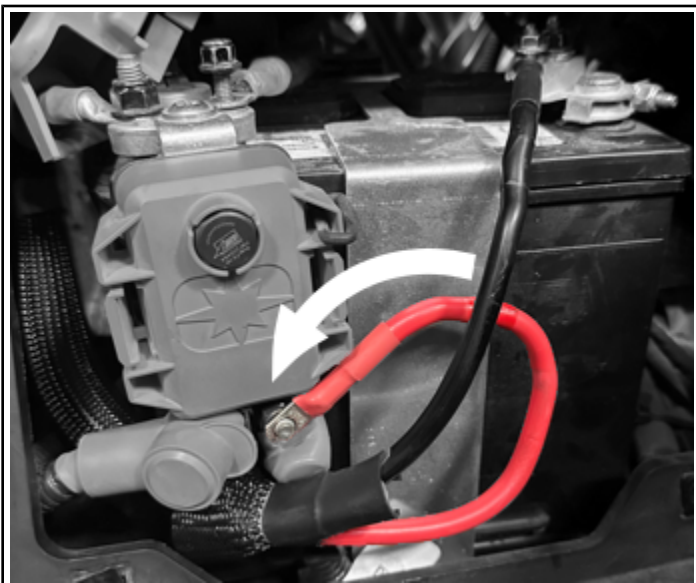
4. Pull winch cable sleeve back to tape on harness.



- Attach positive (+) ground cable to battery with battery post nut. Torque to specification.

TORQUE

Battery Post Nut:
60 in-lbs (7 N·m)



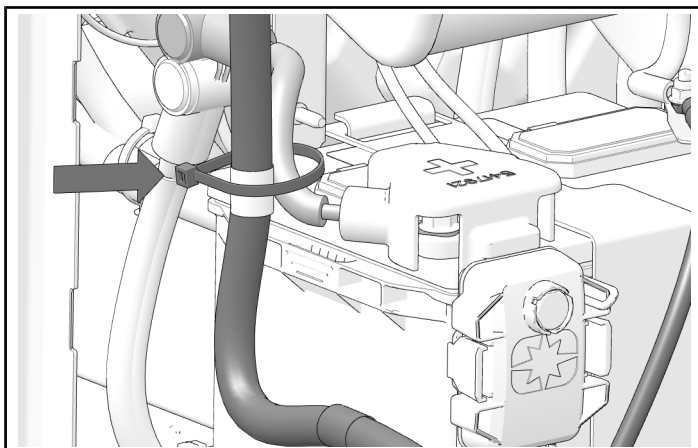
- Install cable tie around the loose winch cable sleeve and battery cables.

NOTICE

Cable tie is used to hold cut cable sleeve to battery cables.



- Install cable tie around harness tape mark and solenoid power cable.



REV 2 HARNESS INSTALLATION

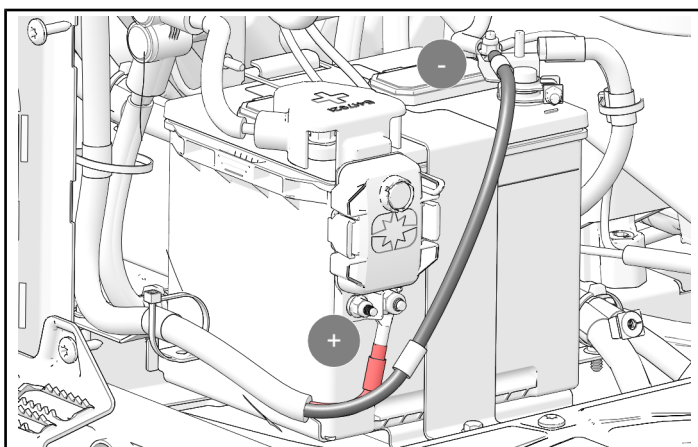
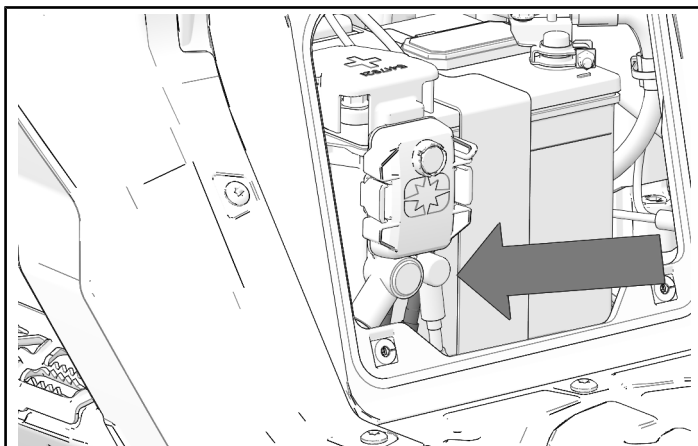
- Connect negative (-) and positive (+) cables to battery. Red positive (+) cable will attach to inner mounting stud. Torque nuts to specification.

NOTICE

Some parts hidden for clarity.

TORQUE

Battery Post Nuts:
60 in-lbs (7 N·m)



TORQUE WINCH MOUNTS

1. Torque four winch mount nuts ⑱ to specification.

IMPORTANT

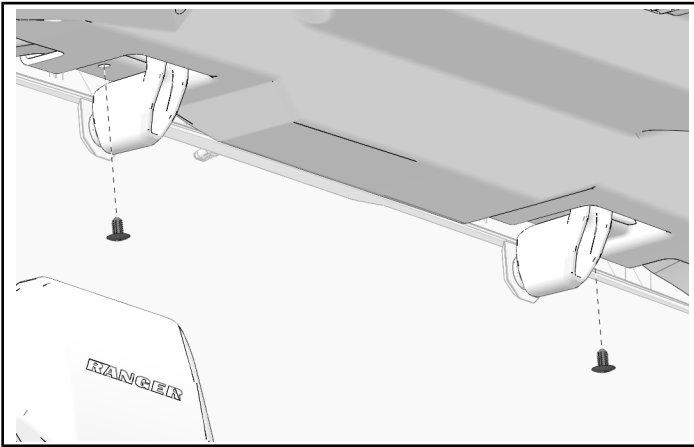
Two people required to torque winch mount nuts.

TORQUE

Winch Mount Nuts ⑱:
36 ft-lbs (50 N·m)

ROOF LINER INSTALLATION

1. Put rear of roof liner in place and install two push darts.

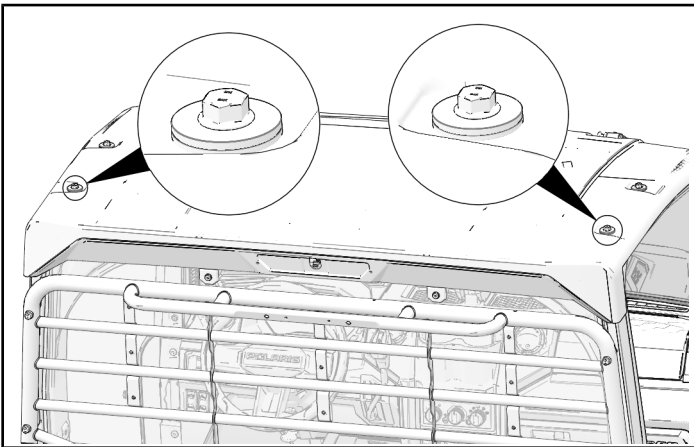


ROOF INSTALLATION

1. Torque roof screws to specification.

TORQUE

Roof Screws:
70 in-lbs (8 N·m)

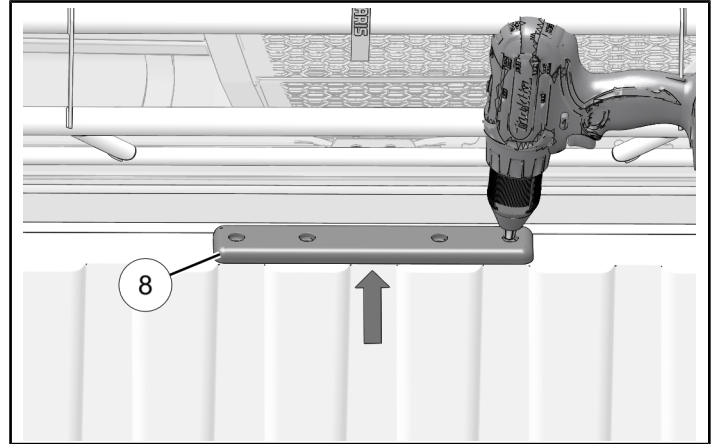


WINCH ROPE GUIDE INSTALLATION

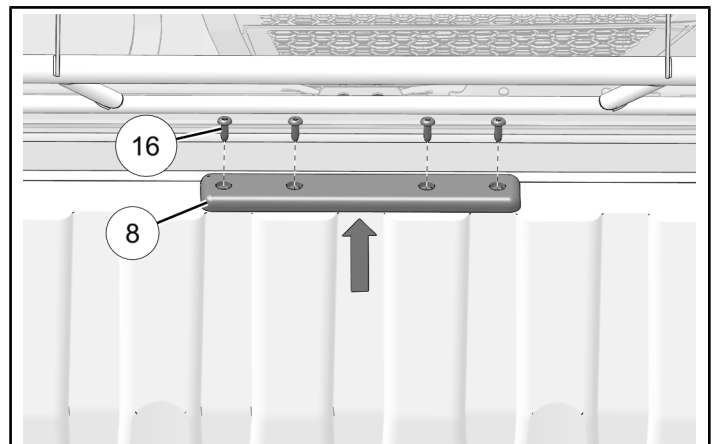
1. Measure center point on front top edge of cargo box. Put winch rope guide in place and use as a guide to drill four holes.

MEASUREMENT

Drill Bit Size: 1/8 in (3 mm)



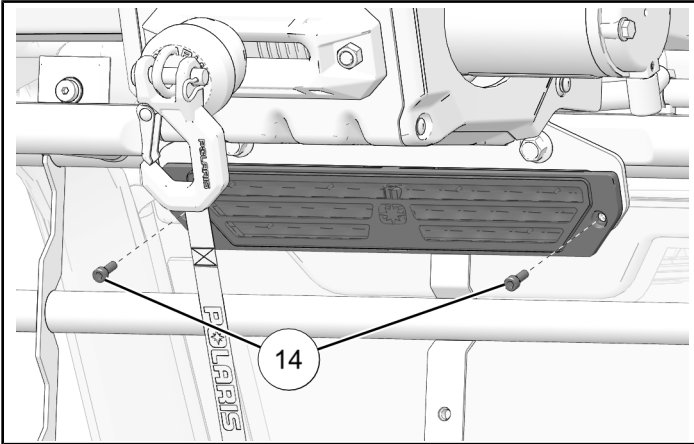
2. Attach winch rope guide ⑧ to cargo box using four screws ⑰. Tighten screws until fully seated.



3. Connect wiring to work light and install to winch mount plate using two screws ⑭. Tighten screws until fully seated.

NOTICE

Winch harness will act as a jumper between work light and original work light connection.



WIRELESS WINCH REMOTE INSTALLATION

NOTICE

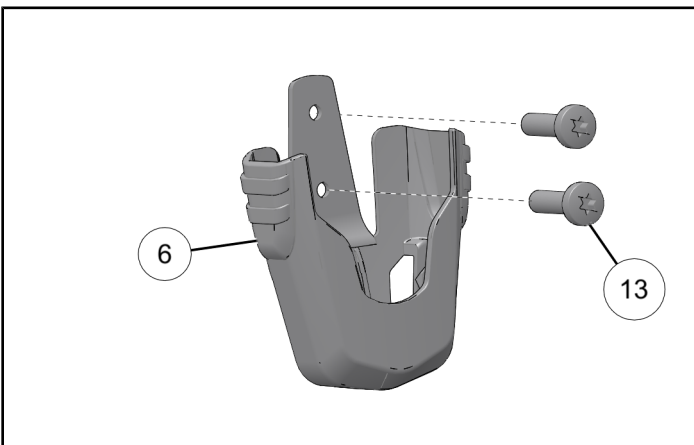
Winch remote mounting location should be determined by the installer. Choose a location with a flat mounting surface.

1. Use the wireless remote holder ⑥ as a template to mark two mounting holes. Drill holes.

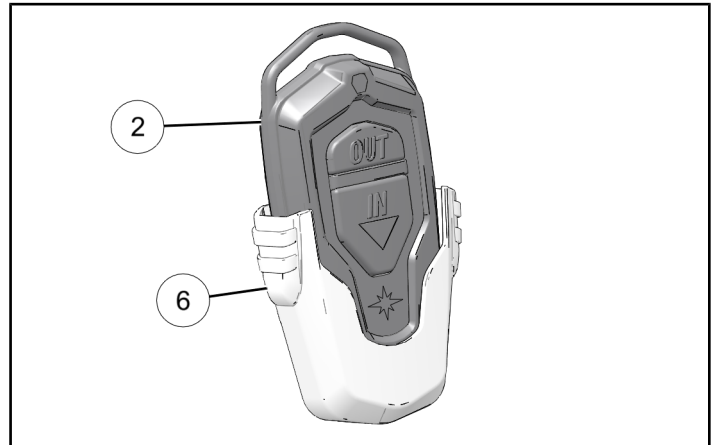
MEASUREMENT

Drill Bit Size: 1/8 in (3 mm)

2. Install wireless remote holder ⑥ using two screws ⑬. Tighten until fully seated.



3. Install wireless winch remote ② in wireless remote holder ⑥.



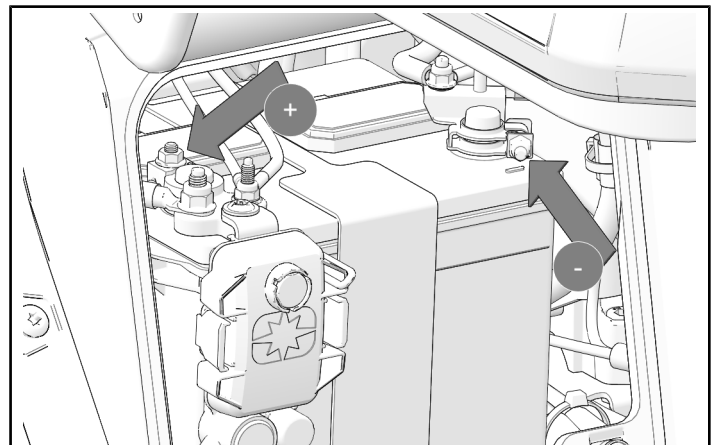
VEHICLE REASSEMBLY

BATTERY CONNECT

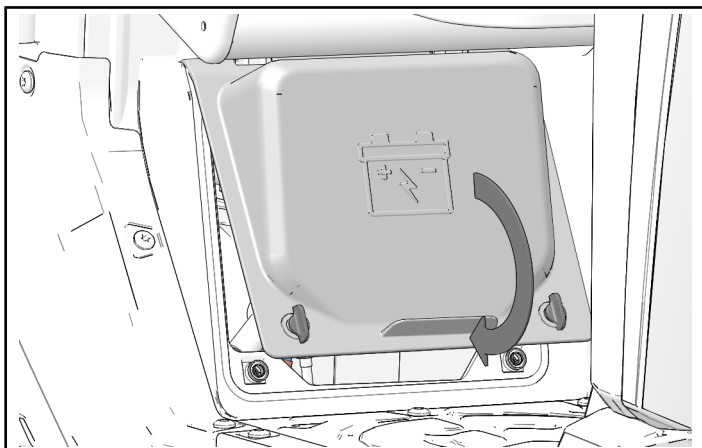
1. Connect positive battery cable first. Connect negative battery cable second. Torque to specification.

TORQUE

Battery Connections:
60 in-lbs (7 N·m)



2. Install top of battery compartment cover then move into place.



3. Turn two quarter turn fasteners to lock cover.

