

MUDDER WINCH KIT



P/N 2889272

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

APPLICATION

Verify accessory fitment at www.polaris.com.

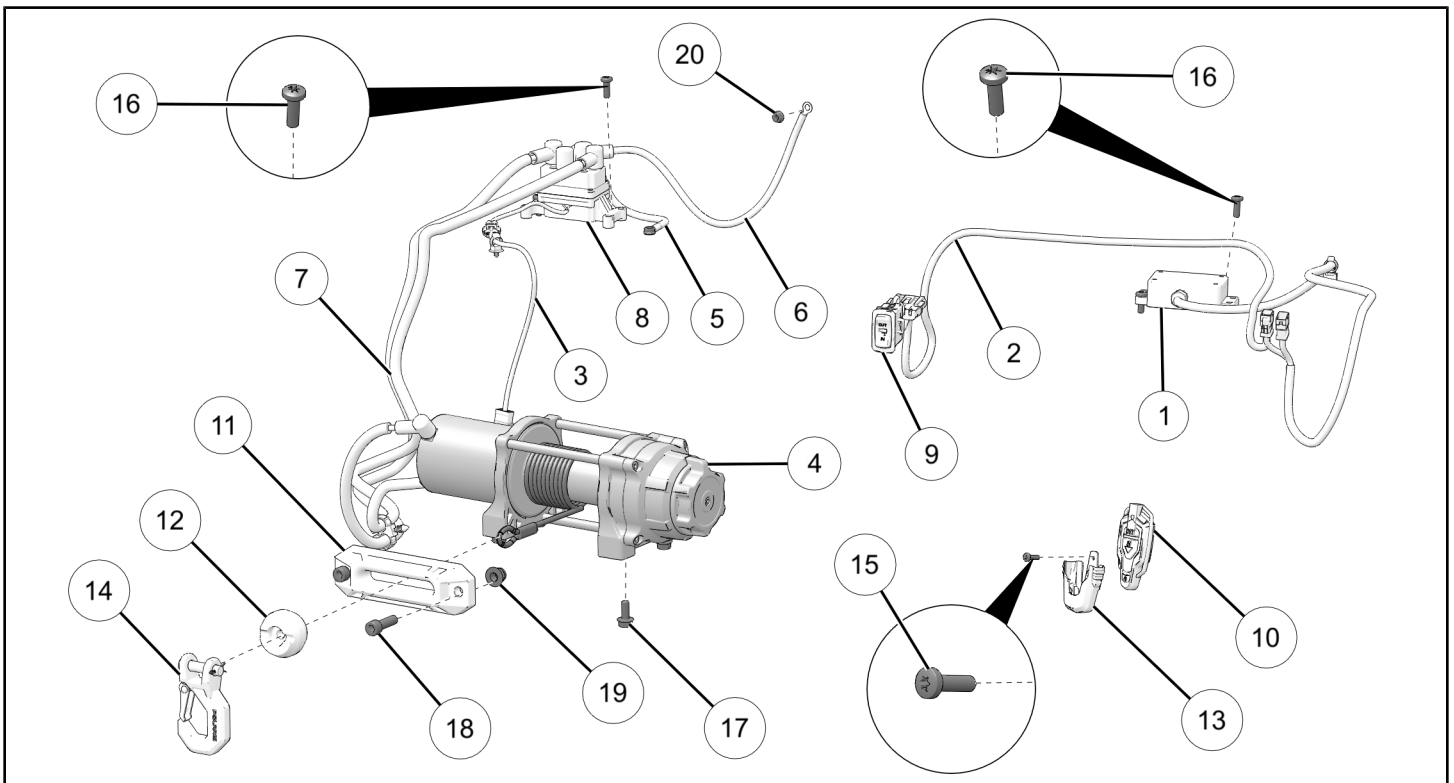
REQUIRED SOLD SEPARATELY

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

Only parts for installation of the Mudder Winch Kit are included. Prior installation of the following additional kits are also required (sold separately):

- *High-Mounted Front Brushguard, P/N 2889271*

KIT CONTENTS

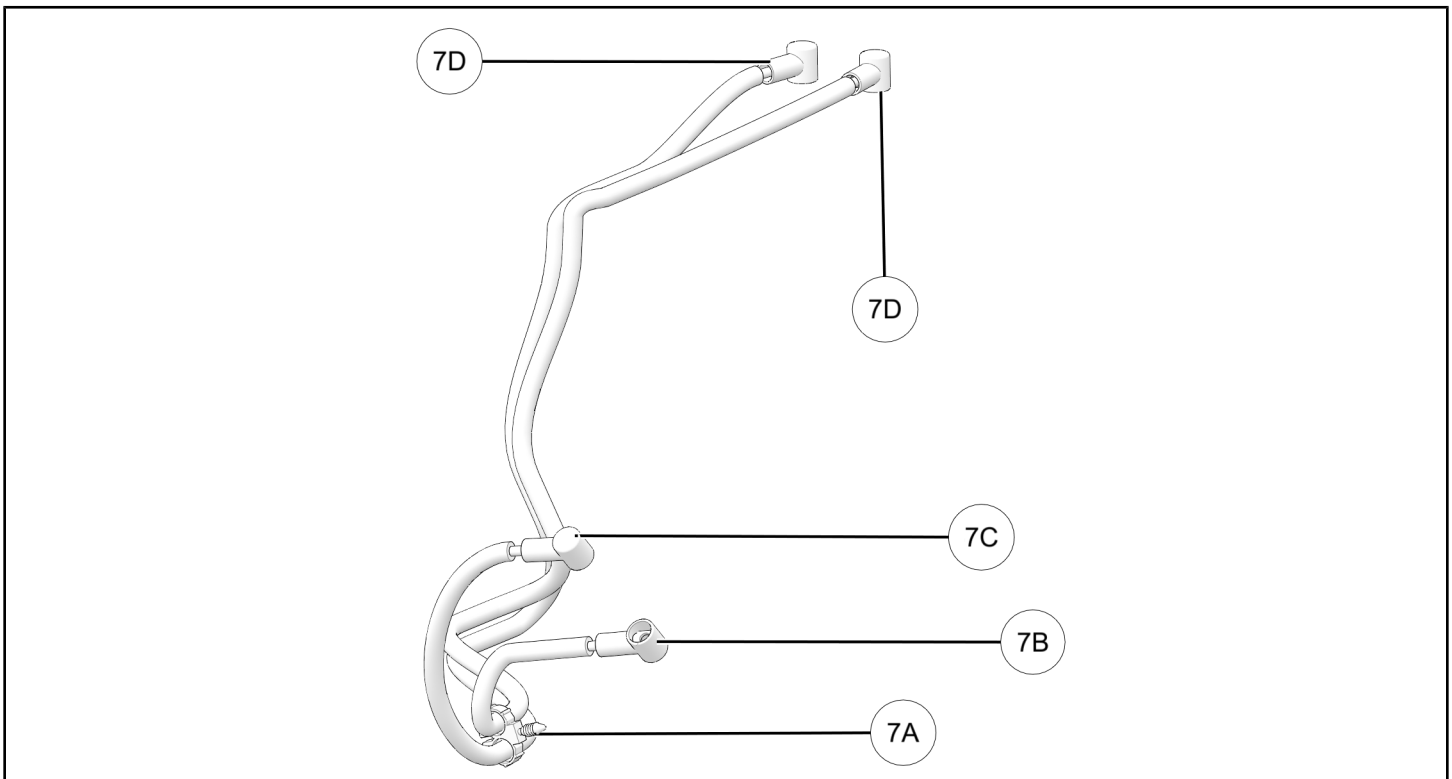


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Receiver, Wireless	n/a
2	1	Winch Jumper Switch	2415055
3	1	Winch Harness, Contactor Jumper	2415993
4	1	Winch Assembly	2638577

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
5	1	Cable, Winch, Black	4013470-250
6	1	Cable Winch, Red	4013471-350
7	1	Cable Contactor, Winch	4015044
8	1	Contactor, Winch	4015095
9	1	Switch, Winch	4017200
10	1	Remote-Winch, Wireless	4080061
11	1	Fairlead	5143230
12	1	Bumper, Jounce	5417894
13	1	Holder, Remote	5454269
14	1	Hook-Latch, Winch	5910706
15	2	Screw – #10 x 3/4 Hi/Lo	7512026
16	6	Screw – #14 x 1.0 Hi/Lo	7519731
17	4	Screw, Hex Flange – M8 x 1.25 x 20	7519133
18	2	Screw – M10 x 1.5 x 35	7519959
19	2	Nut – M10 x 1.5	7547423
20	2	Nut – M6	7547270
21	5	Cable Tie (not shown)	7080492
22	1	Manual – Winch Guide (not shown)	9923644

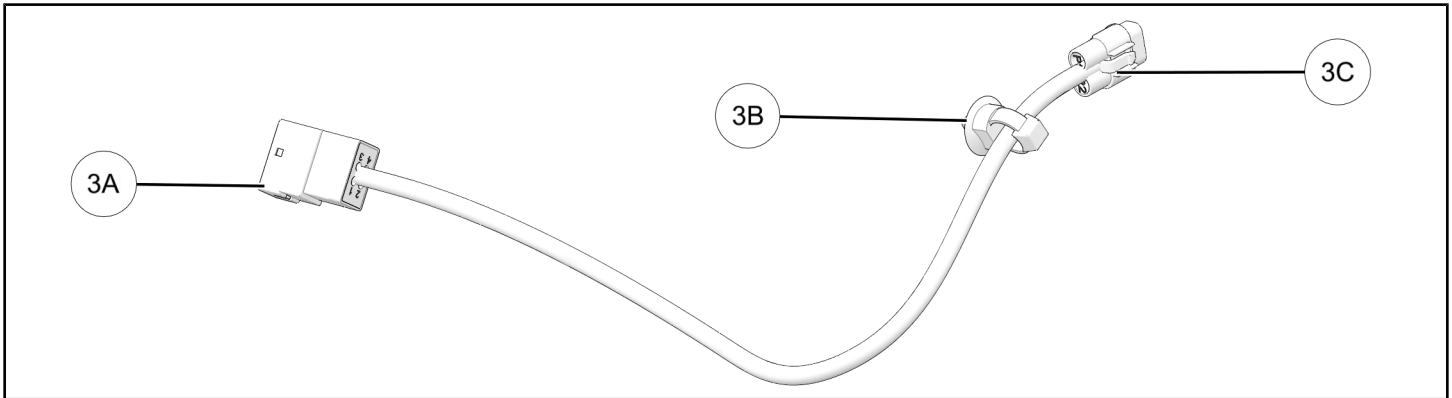
HARNESS DETAIL

WINCH HARNESS ⑦



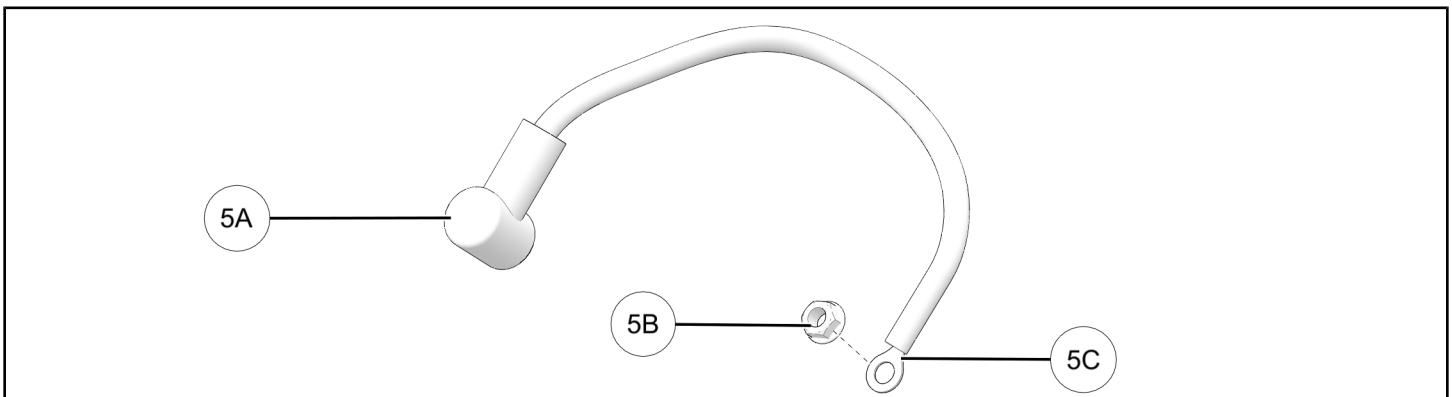
REF	PART DESCRIPTION	CONNECTS TO
7A	Clip Attachment	Bumper Assembly
7B	Winch Cable	Winch Assembly
7C	Winch Cable	Winch Assembly
7D	Winch Cable	Contactor
7E	Winch Cable	Contactor

CONTACTOR JUMPER ③



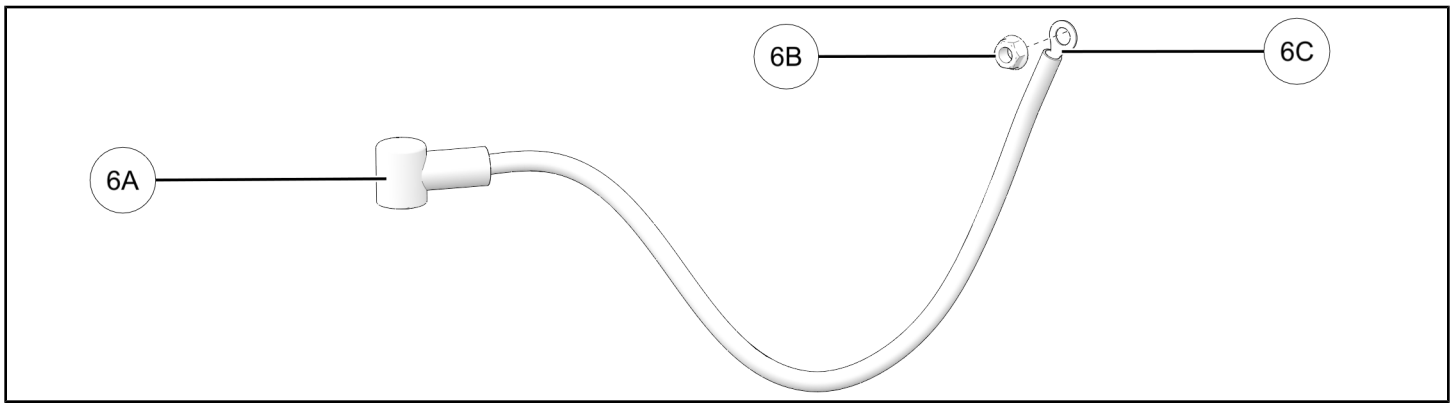
Ref	Part Description	Connects to
3A	Contacteur Jumper Connector	Vehicle Harness Connector
3B	Clip Attachment	Hood Liner
3C	Jump Harness Connector	Contacteur Harness Connector

WINCH CABLE ⑤



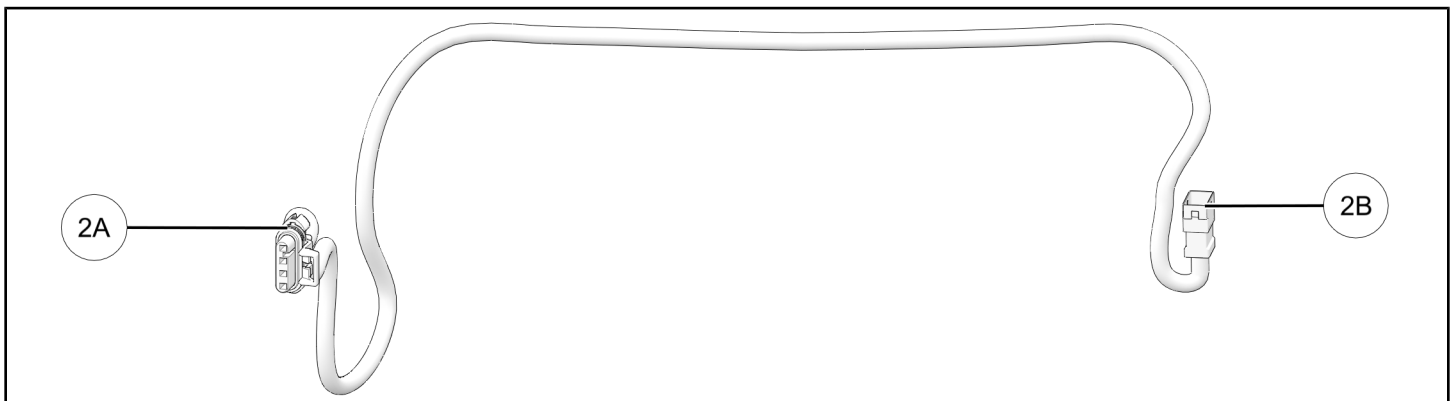
Ref	Part Description	Connects to
5A	Insulating Cable Boot	Contacteur
5B	Cable nut	Pulse Bar
5C	Ring Terminal	Pulse Bar

WINCH CABLE ⑥



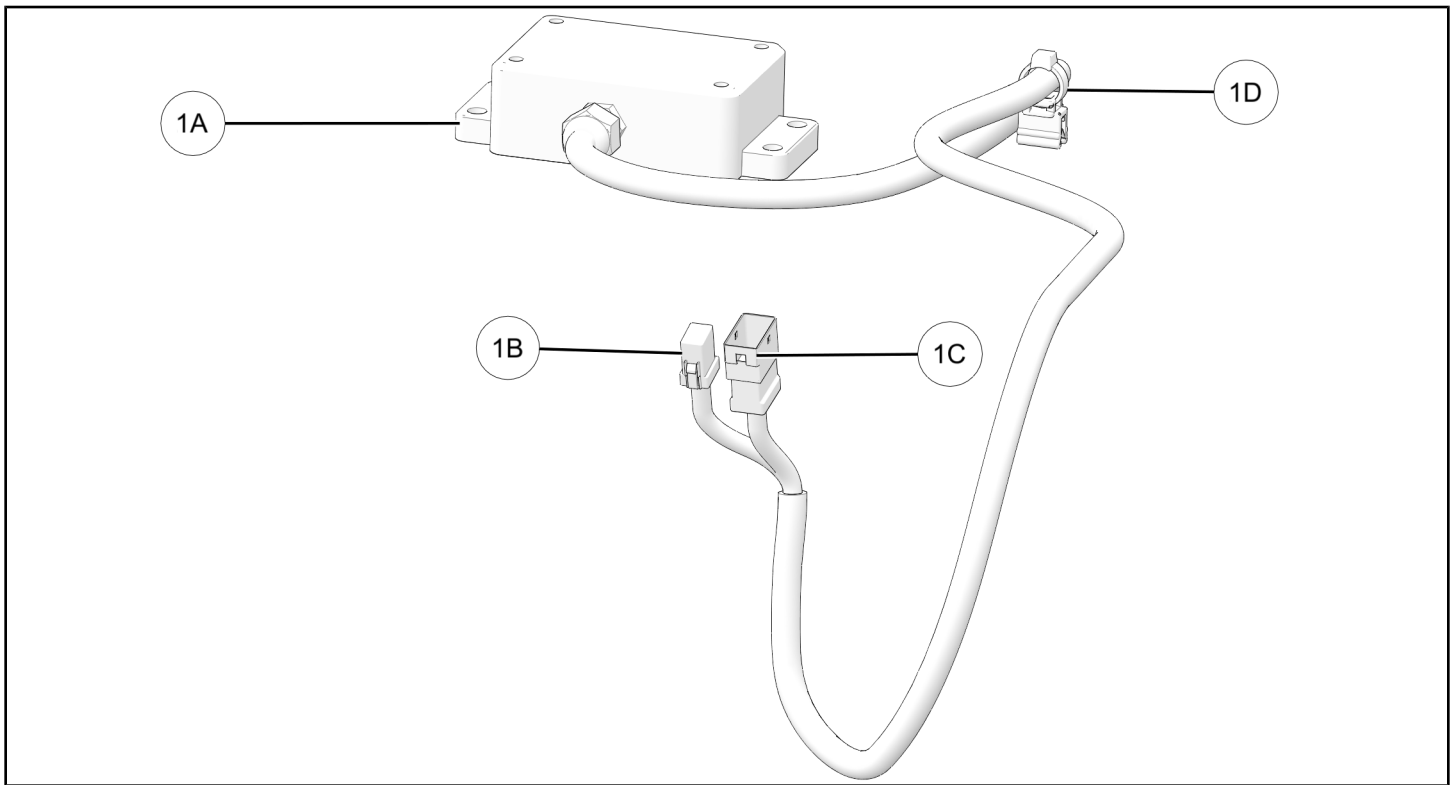
Ref	Part Description	Connects to
6A	Insulating Cable Boot	Contactor
6B	Cable nut	Pulse Bar
6C	Ring Terminal	Pulse Bar

WINCH SWITCH HARNESS ②



Ref	Part Description	Connects to
2A	Winch Switch Connector	Winch Switch
2B	Winch Switch Jumper Connector	Contactor Harness

CONTACTOR HARNESS ①



Ref	Part Description	Connects to
1A	Receiver	Hood Liner
1B	Jumper Connector	Switch Connector
1C	Jumper Connector	Main Harness
1D	Clip Attachment	Hood Liner

TOOLS REQUIRED

- Safety Glasses
- Safety Goggles
- Pliers, Push Pin Rivet
- Socket Set, Hex Bit, Metric
- Socket Set, SAE
- Socket Set, Torx® Bit
- Torque Wrench

IMPORTANT

Your Mudder 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

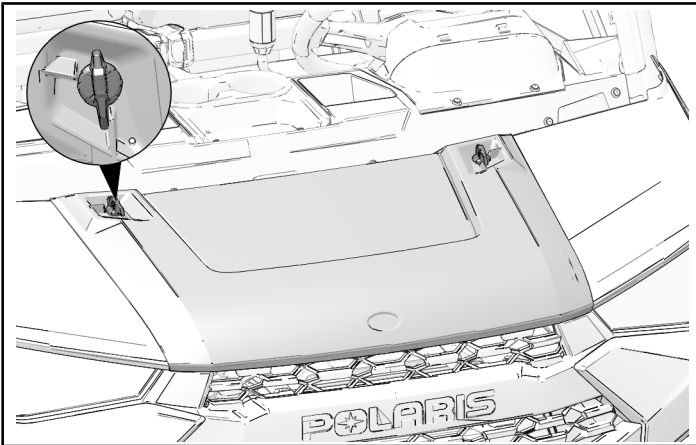
VEHICLE PREPARATION

GENERAL

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

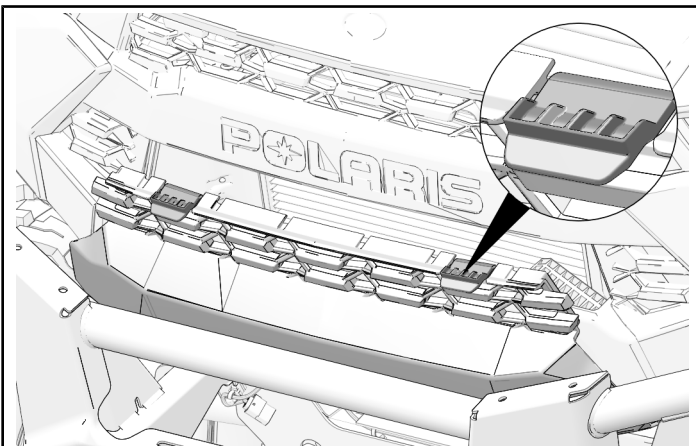
HOOD REMOVAL

1. Turn two quarter-turn fasteners to unlock position to remove hood from vehicle.



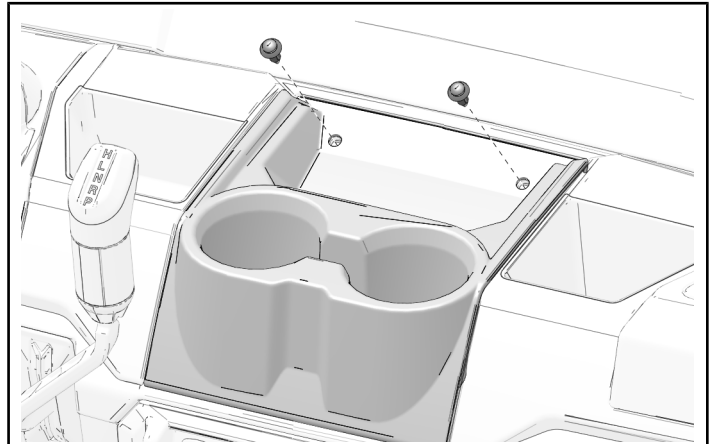
GRILLE REMOVAL

1. Push two tabs down to remove grille.

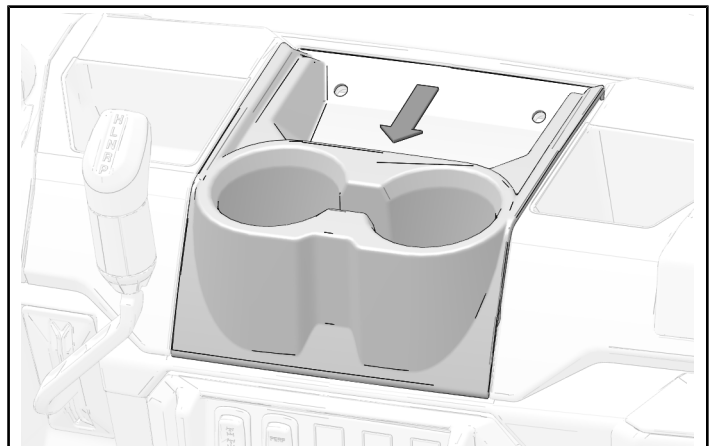


CUP HOLDER REMOVAL

1. Remove two push-pin rivets from cup holder.

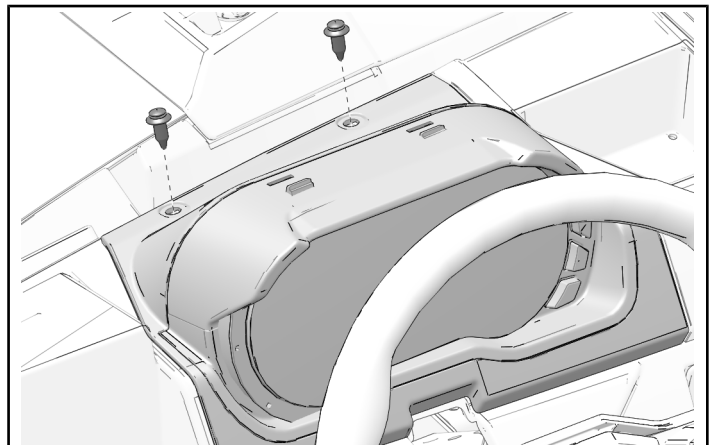


2. Remove cup holder from dashboard.

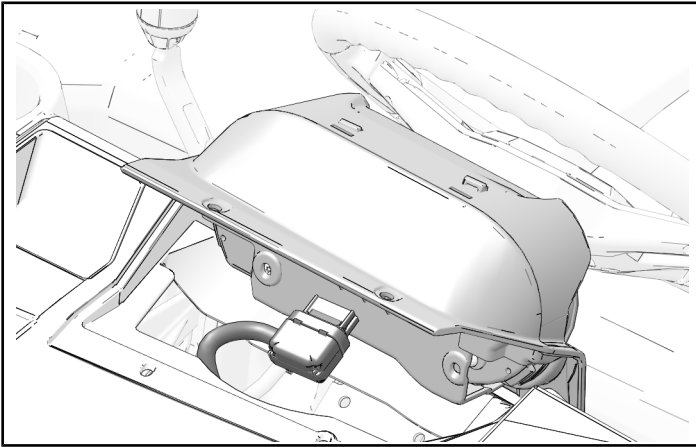


INSTRUMENT CLUSTER REMOVAL

1. Remove two push-pin rivets from instrument cluster bezel.



2. Remove the instrument cluster by pulling straight out towards the steering wheel.



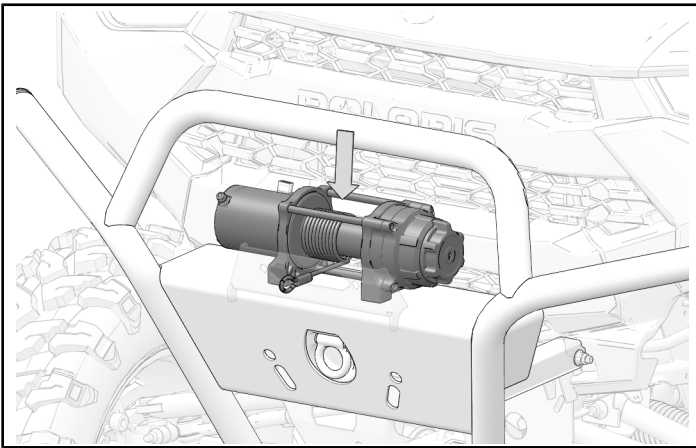
ACCESSORY INSTALLATION

WINCH INSTALLATION

1. Put winch on top of front bumper and align mounting holes.

NOTICE

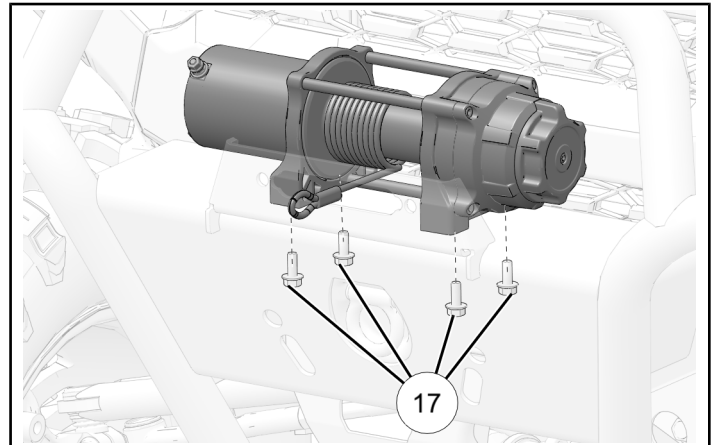
Winch terminals should be on passenger side of vehicle.



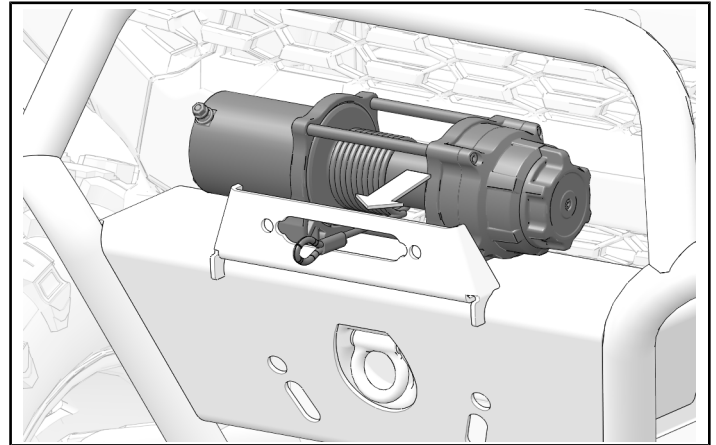
2. Install four screws ⑰ and torque to specification.

TORQUE

Winch Mounting Screws ⑰:
25 ft-lbs (34 N·m)



3. Route winch rope through front mounting bracket.

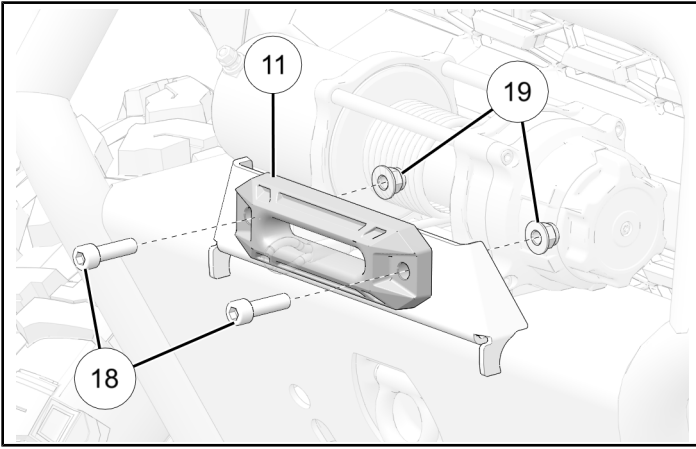


4. Route winch rope through fairlead ①.

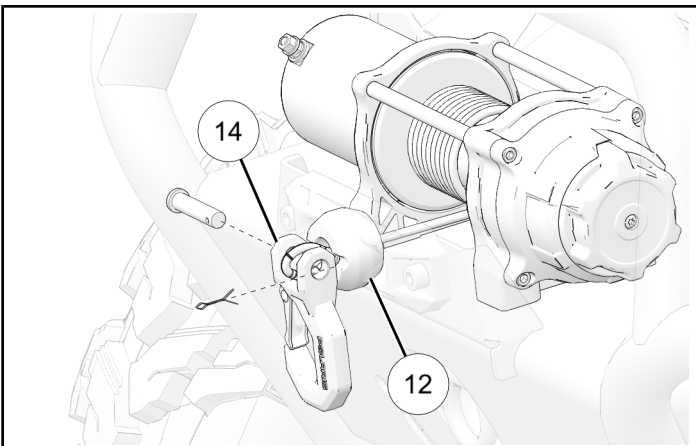
5. Install fairlead ⑪ to front bumper with two screws ⑱ and two nuts ⑲. Torque screws to specification.

TORQUE

Fairlead Screws ⑱:
40 ft-lbs (54 N·m)



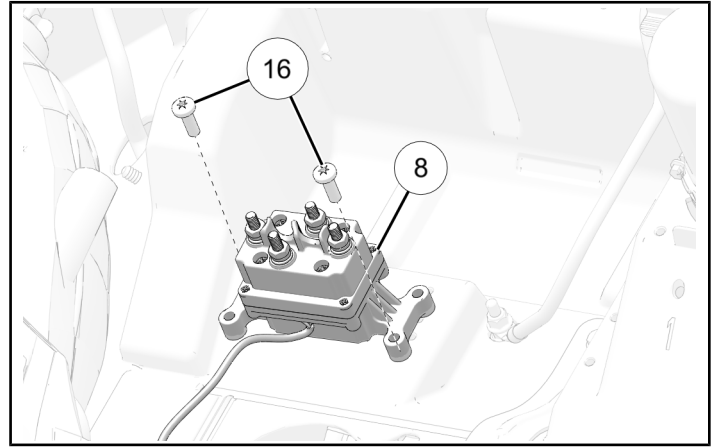
6. Install jounce bumper ⑫ and hook latch ⑭ on winch cable. Secure with provided pin and cotter pin.



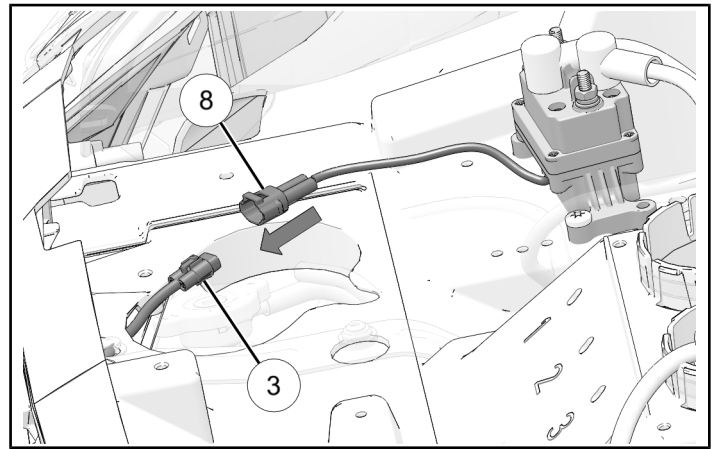
7. Install winch contactor ⑧ to left side of hood liner with two screws ⑰. Tighten screws until fully seated.

IMPORTANT

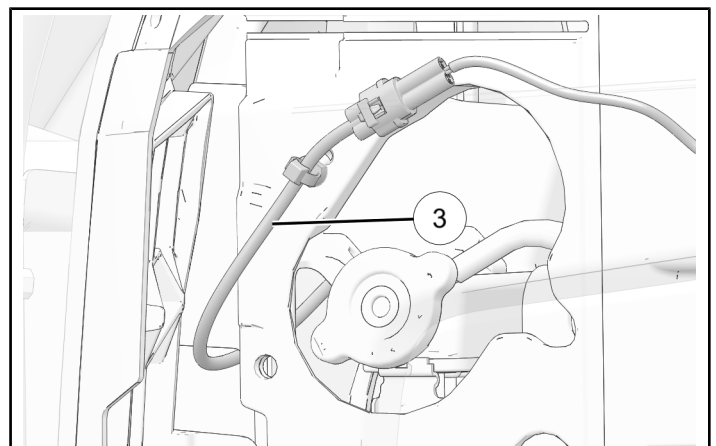
Do not overtighten screws.



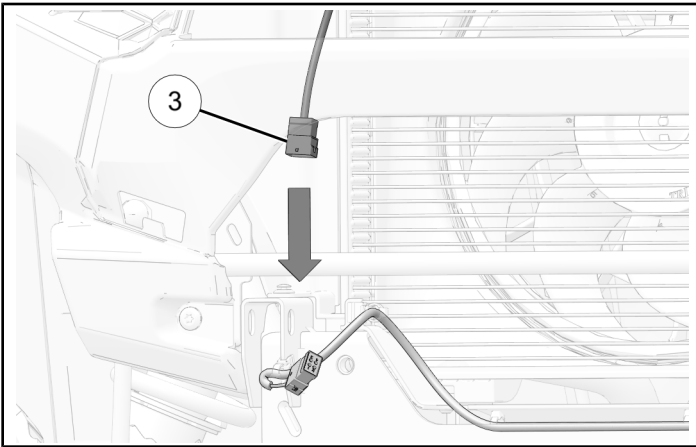
8. Route contactor harness ⑧ to the front of the vehicle and connect to the winch jumper harness ③.



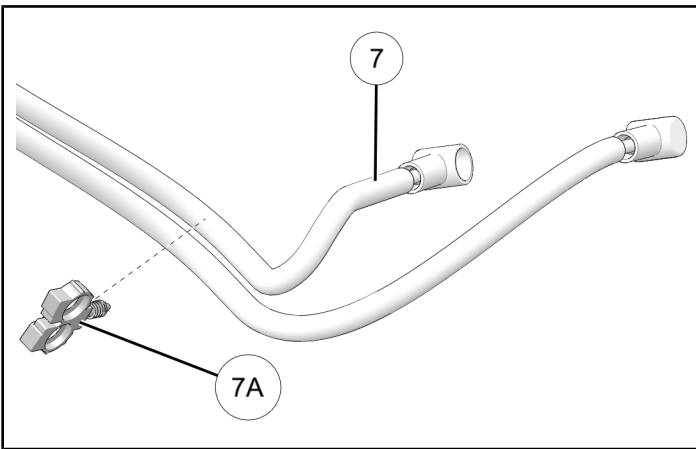
9. Route winch jumper harness ③ down through hole near radiator cap.



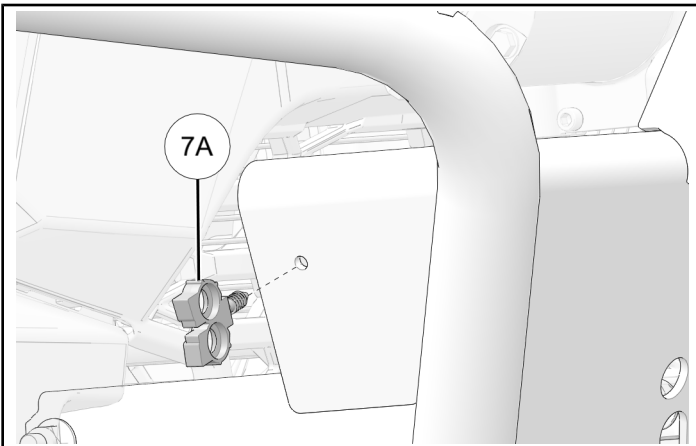
10. Connect winch jumper harness ③ to main vehicle harness near radiator.



11. Remove cable clip from winch cable ⑦.



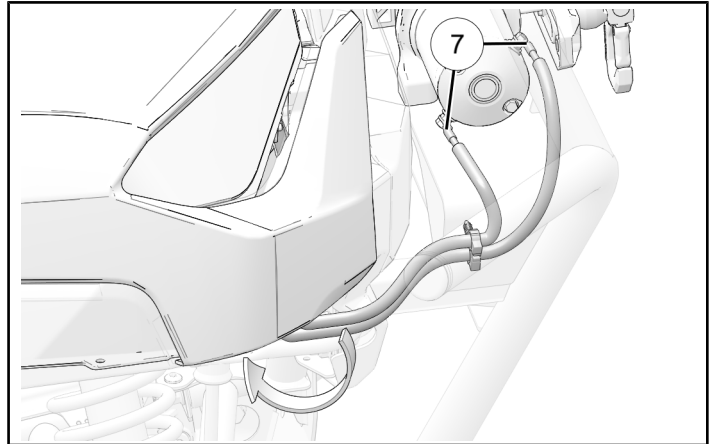
12. Install cable clip into hole on passenger side of front bumper.



13. Loosely install winch cables ⑦ on winch assembly and route cables under passenger side and up along radiator.

IMPORTANT

Avoid contact with moving parts. Install cable ties as needed.



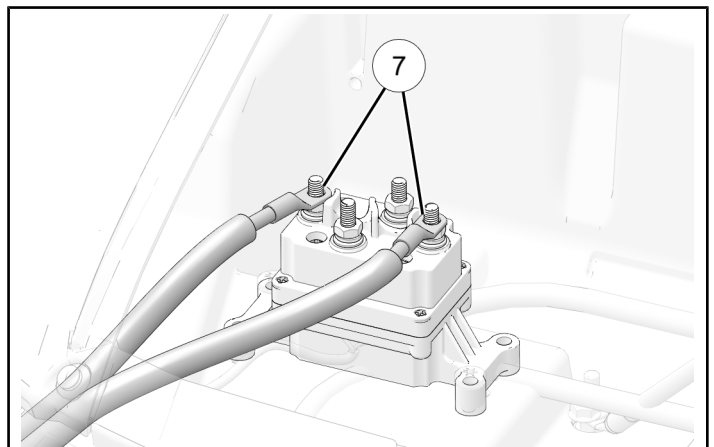
14. Pull cables ⑦ up through hole near radiator cap and attach to yellow winch contactor to yellow terminal and blue winch contactor to blue terminal. Secure with provided nuts and torque to specification.

IMPORTANT

Contactor terminals are color coded. Make sure cables are installed on corresponding colors: Blue to Blue and Yellow to Yellow.

TORQUE

Winch Contactor Nuts:
60 in-lbs (7 N·m)

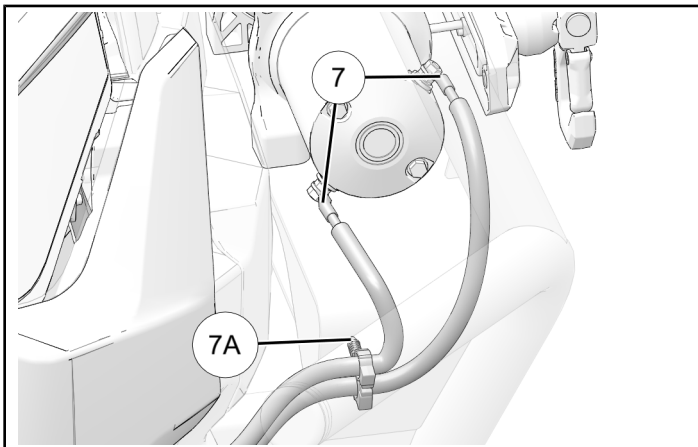


15. Install cables to clip installed on bumper.

16. Install cables ⑦ to winch with two nuts.

IMPORTANT

Contactor terminals are color coded. Make sure cables are installed on corresponding colors: Blue to Blue and Yellow to Yellow.



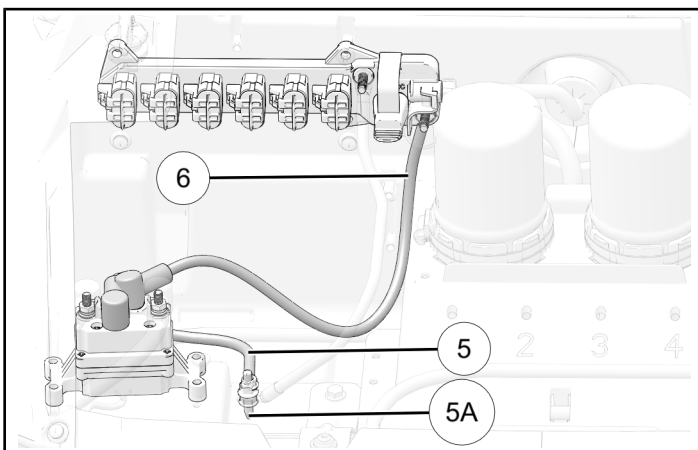
17. Torque nuts to specification.

TORQUE

Winch Cable Nuts:
60 in-lbs (7 N·m)

18. Install the black contactor cable ⑤ to its applicable connection at the contactor and then route to chassis ground and connect.

19. Install the red contactor cable ⑥ to its applicable connection at the contactor and then route to the pulse bar.



20. Secure both cables with provided nuts and torque to specification.

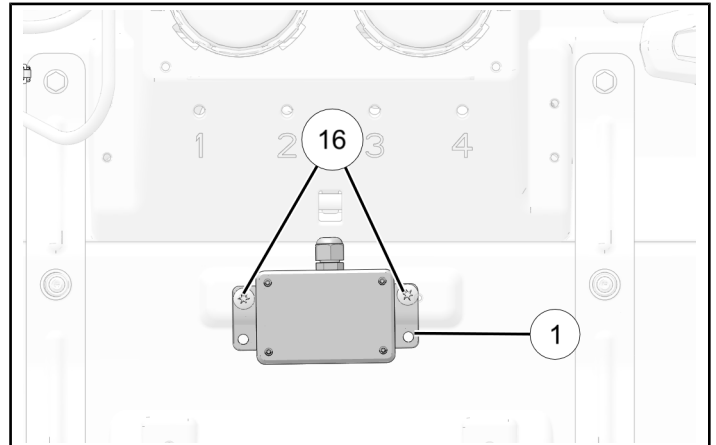
TORQUE

Contactor Cable Nuts:
60 in-lbs (7 N·m)

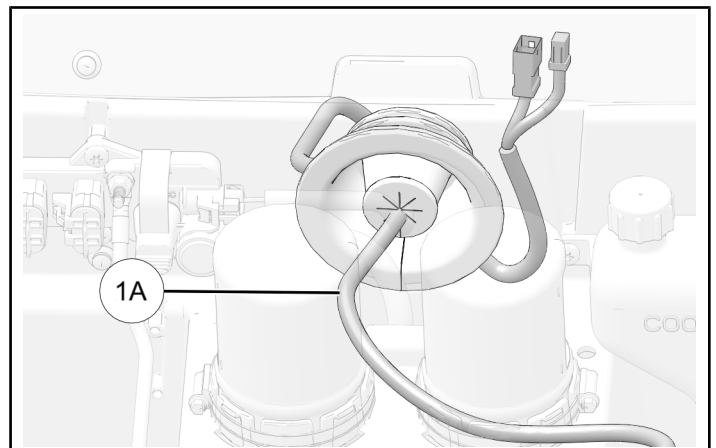
21. Install wireless receiver ① to hood liner with two screws ⑯. Tighten until fully seated.

IMPORTANT

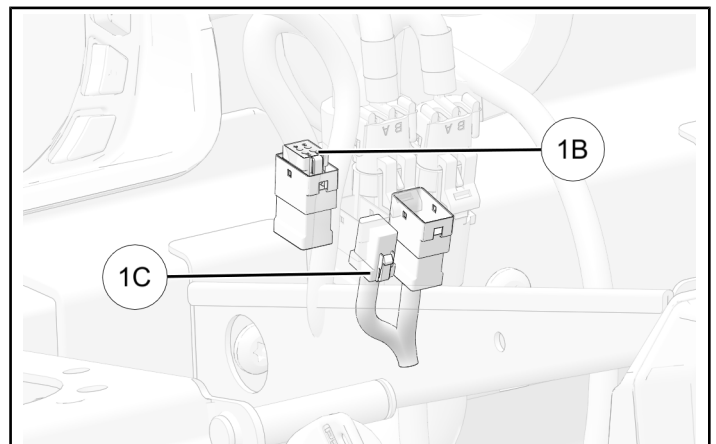
Do not overtighten screws.



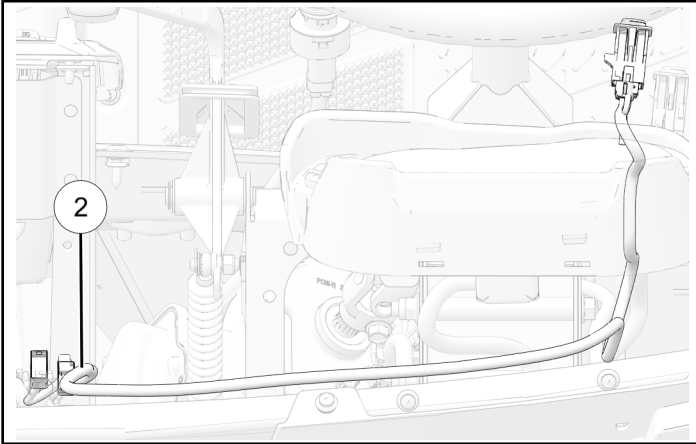
22. Route receiver harness rearward through grommet and into dash compartment.



23. Locate pre-wired main harness connector under dash. Remove harness tape if necessary to access connector and connect to receiver harness.



24. Connect switch harness ② to receiver harness and route under dash to open accessory switch on drivers side of dash.



25. Cut out desired accessory switch space in dash and connect switch ⑨ to harness. Install switch into open space and make sure it is secure.



26. Secure harness away from all moving parts under dash and near radiator with harness clips and cable ties. Harness clips can be relocated by cutting cable tie and reinstalling in a different location with a new cable tie.

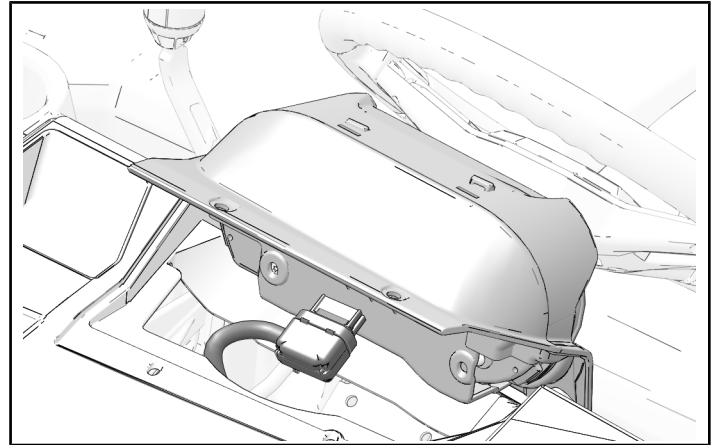
IMPORTANT

Make sure the harness is routed away from the sway bar.

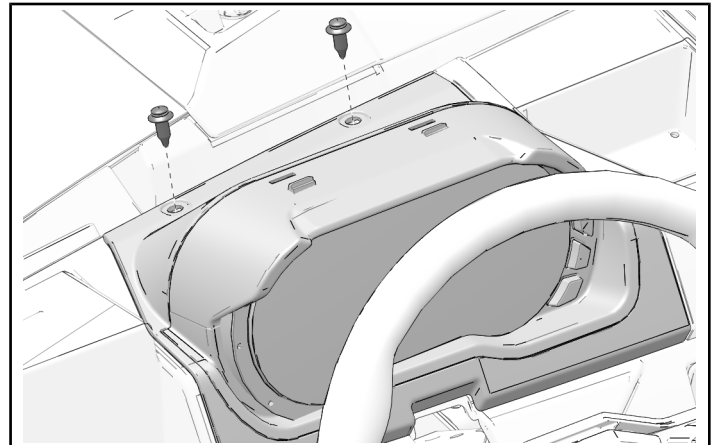
VEHICLE REASSEMBLY

INSTRUMENT CLUSTER INSTALLATION

1. Connect the instrument cluster to the chassis electrical harness.

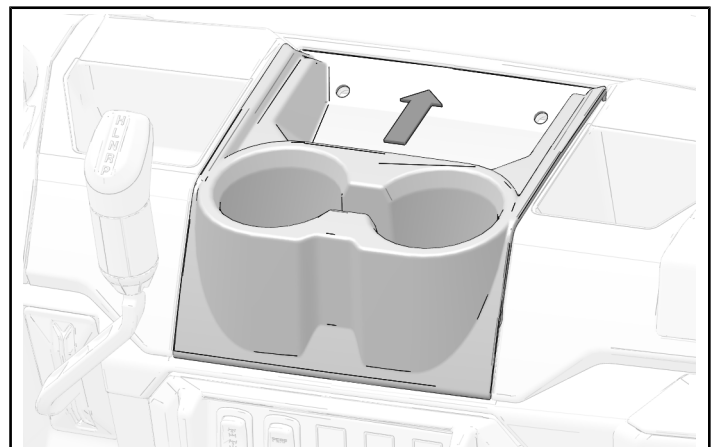


2. Install the instrument cluster bezel with two retained push-pin rivets.

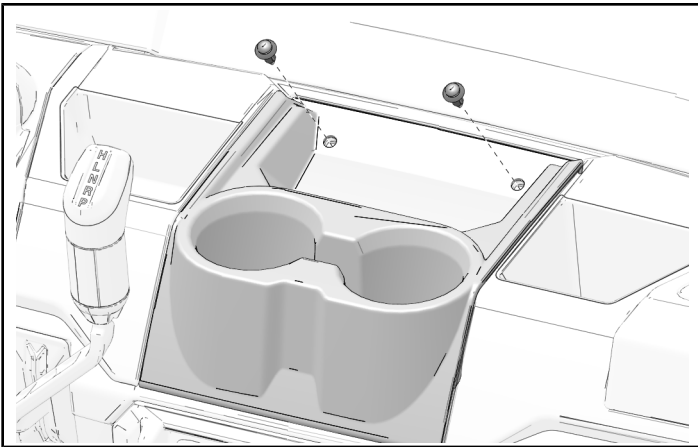


CUP HOLDER INSTALLATION

1. Put cup holder in vehicle.

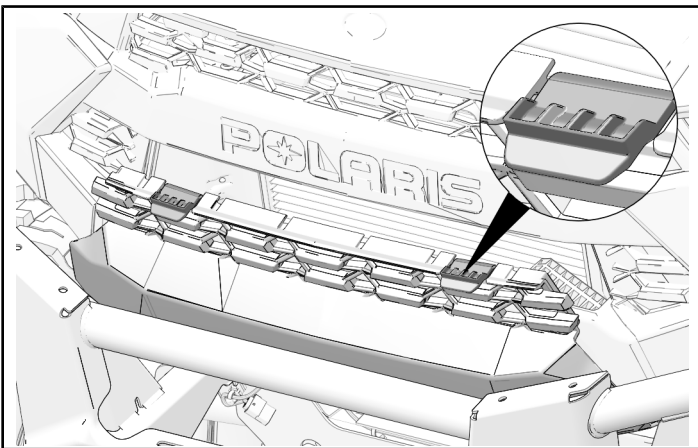


2. Install cup holder with two retained push-pin rivets.



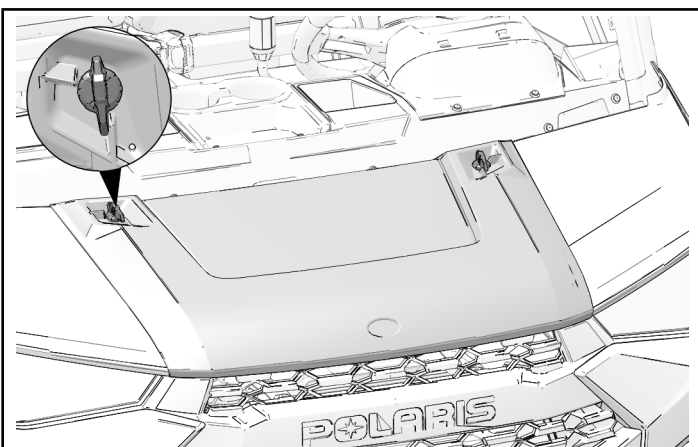
GRILLE INSTALLATION

1. Put bottom of grille in first and push top of grille in until two tabs engage upper front fascia.



HOOD INSTALLATION

1. Align hood with vehicle and turn two quarter-turn fasteners to lock position and install hood.



OPERATION

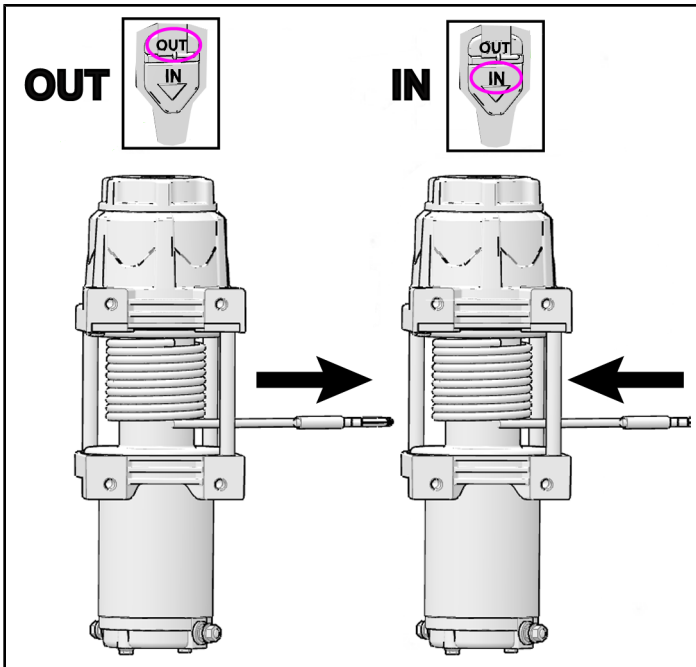
OPERATIONAL CHECK

Wireless remote allows winch operation from outside the vehicle.

IMPORTANT

The winch system is very powerful and care should be exercised whenever it is in operation. The winch operator is always responsible for using the winch properly, as described in the accompanying "Winch User Guide".

1. To turn wireless remote "ON", depress and hold power button for three seconds or until LED light illuminates.
2. To extend rope, depress and hold the "OUT" button. To recover rope, depress and hold the "IN" button.



3. The wireless remote will automatically turn "OFF" after 30 seconds of inactivity. To manually turn off, depress and hold power button for three seconds or until LED light extinguishes.

GEAR SELECTION

⚠ WARNING

Do NOT attempt to change gear setting while rope is under tension. Failure to relieve rope tension prior to changing gears may cause winch failure, resulting in serious personal injury or death.

NOTE

See previous section, **KIT CONTENTS**, for replacement knob PN.

Your winch is equipped with three different gear settings: "N" (NEUTRAL), "L" (LOW), and "H" (HIGH).

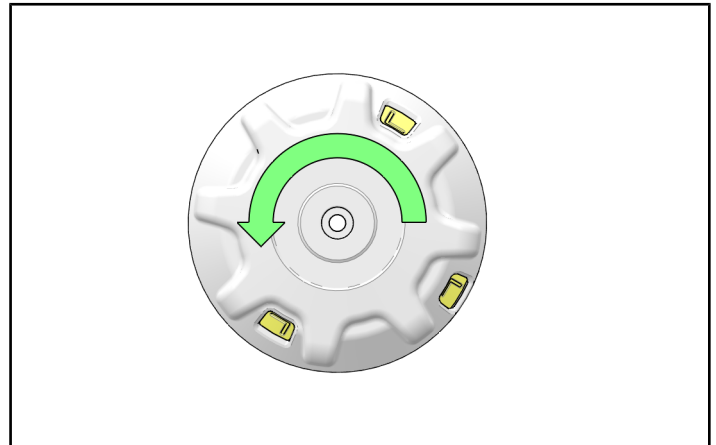
1. NEUTRAL: Used to rapidly extend the rope.

When in neutral "N" will be visible in the cutout windows on the shift knob (LH side of winch).



2. LOW: Used to recover the LOADED rope.

Relieve all tension from the rope, then rotate gear select knob counter-clockwise until "L" is visible in the shift knob cutout windows.



3. HIGH: Used to rapidly recover the UNLOADED rope.

Relieve all tension from the rope, then rotate gear select knob clockwise until “H” is visible in the shift knob cutout windows.

If difficulty is encountered while shifting into HIGH, pull the winch rope slightly by hand to help align the gears.

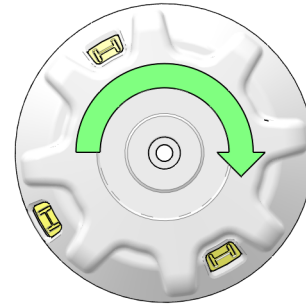
IMPORTANT

High gear is ONLY used for rapid recovery of the UNLOADED winch rope. It is NOT intended for rope retraction while under load. Using high gear while under load will result in reduced winch life.

NOTE

The recovery speed in HIGH gear is approximately 5X the recovery speed in LOW gear. As a result, using this feature will significantly reduce the time needed to recover the rope after use.

Polaris recommends always returning gear selector to LOW after rapid recovery to prevent inadvertent future operation in HIGH gear.



INSTRUCTION FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

