

# WINCH KIT



P/N 2889275; 2889276

## MISSING OR DAMAGED PARTS

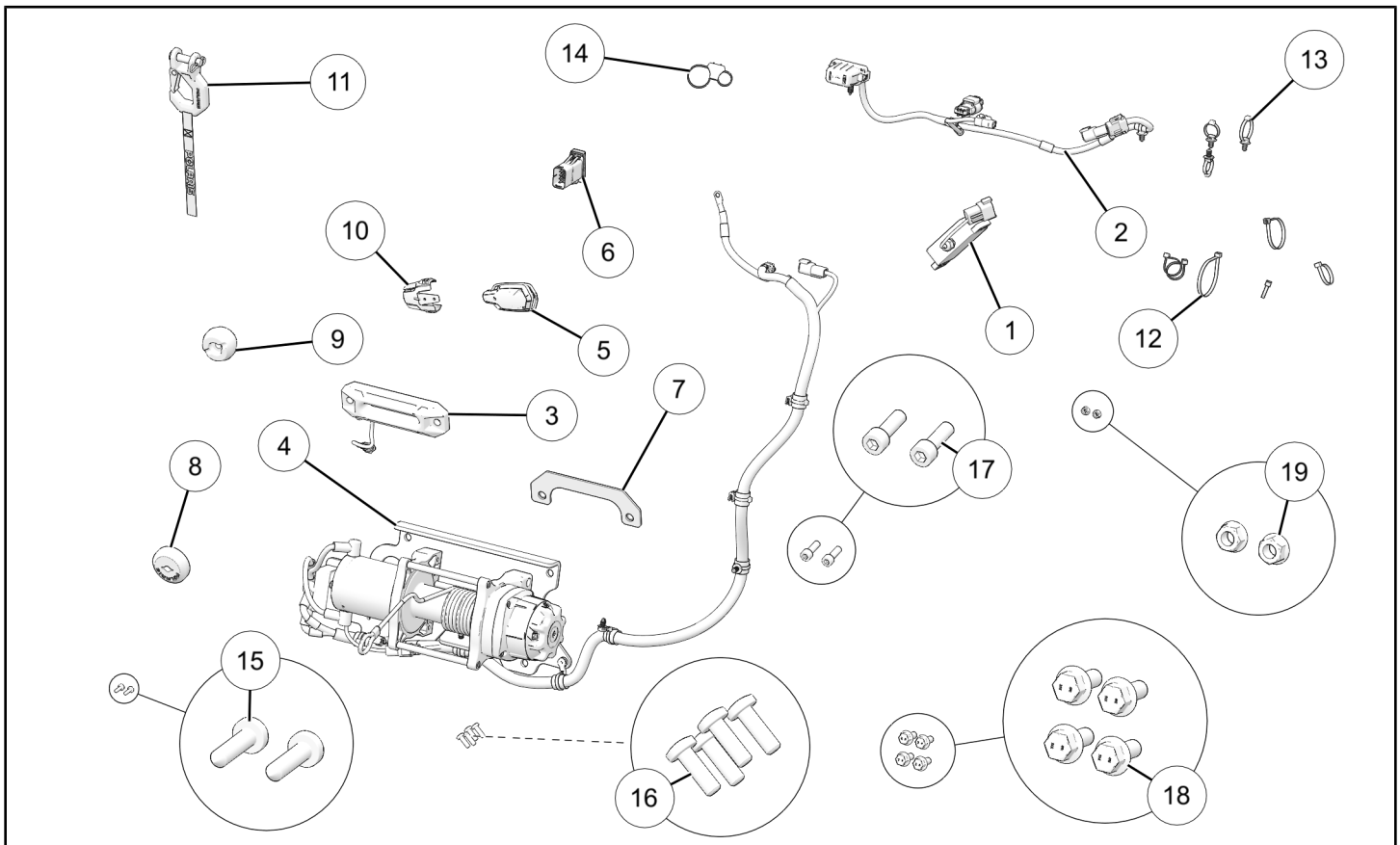
Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

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](http://www.polaris.com).

## KIT CONTENTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Receiver, Wireless, Autostop (Kit P/N 2889276 only)	n/a	2890991
2	1	Harness, Autostop (Kit P/N 2889276 only)	n/a	2890991
3	1	Assembly, Fairlead	2637781	2890991
4	1	Assembly, Winch	2638446	n/a
5	1	Remote, Wireless	n/a	2890991

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
6	1	Switch, Winch Control	4080801-13	n/a
7	1	Mount, Bracket	n/a	n/a
8	1	Stop, Magnet, Bumper	5415787	2890991
9	1	Jounce, Bumper, Winch	5418451	2890991
10	1	Holder, Remote	5454269	2890991
11	1	Hook, Latch, Winch	5910706	n/a
12	6	Cable-Tie, 25-76 mm	7080492	n/a
13	3	Clip, Push Dart	7081496	n/a
14	1	Cable-Tie, Dual Loop, 14-45 mm	7081807	n/a
15	2	Screw, Hi-Lo, #10 x 3/4 in	7512026	n/a
16	4	Screw, Torx®, Pan Head, #14 x .75 mm	7519731	n/a
17	2	Screw, Socket Head, M10 x 1.5 x 30 mm	7519844	n/a
18	4	Screw, Hex Flange, M10 x 1.5 x 25 mm	7521333-25	n/a
19	2	Nut, Hex Flanged, M6	7547270	n/a

## TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
  - 1/8 in (3 mm)
- Pliers, Push Pin Rivet
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric

## IMPORTANT

Your 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.

## FRONT BUMPER REMOVAL

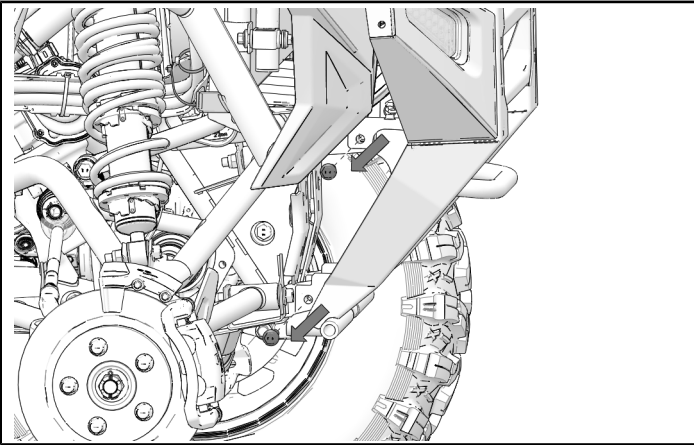
1. Support weight of bumper before removing screws. Remove and keep four screws and four nuts from behind bumper.

### NOTICE

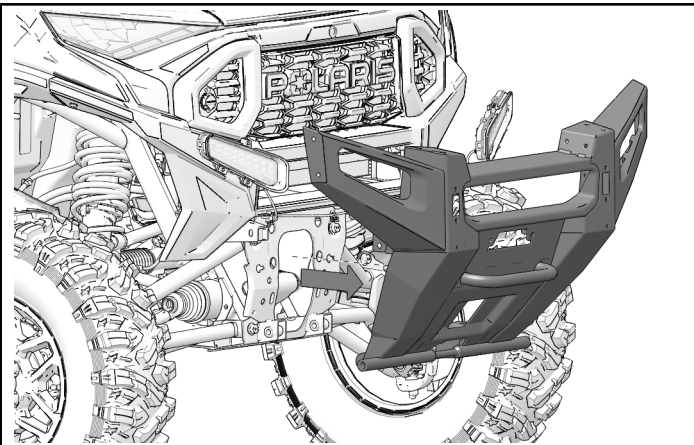
Right side shown; left side similar.

### NOTICE

Right front wheel hidden for clarity.

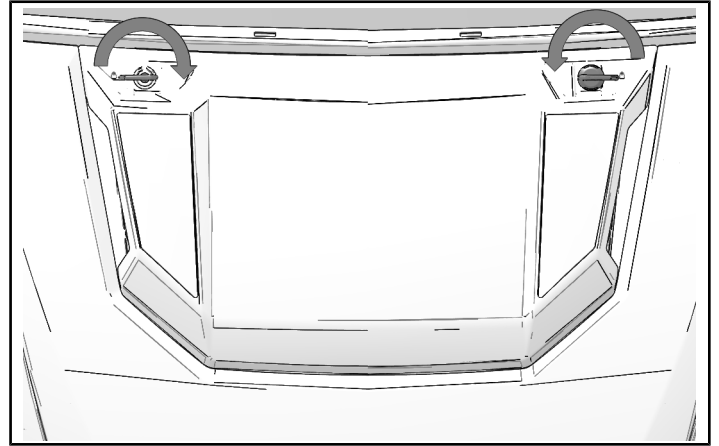


2. Pull forward to remove front bumper from vehicle.

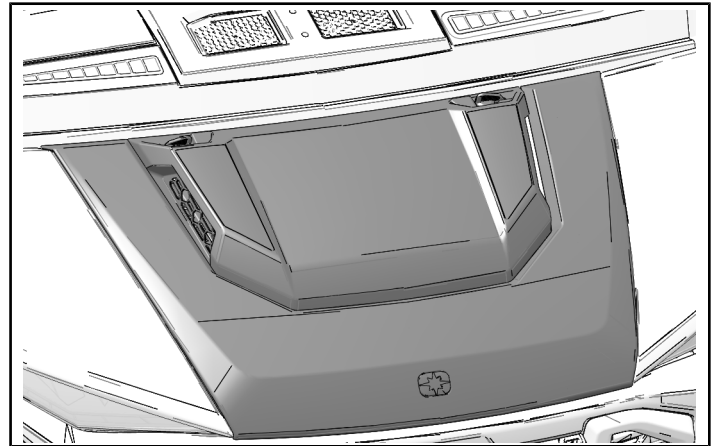


## INNER HOOD REMOVAL

1. Rotate knob upwards.

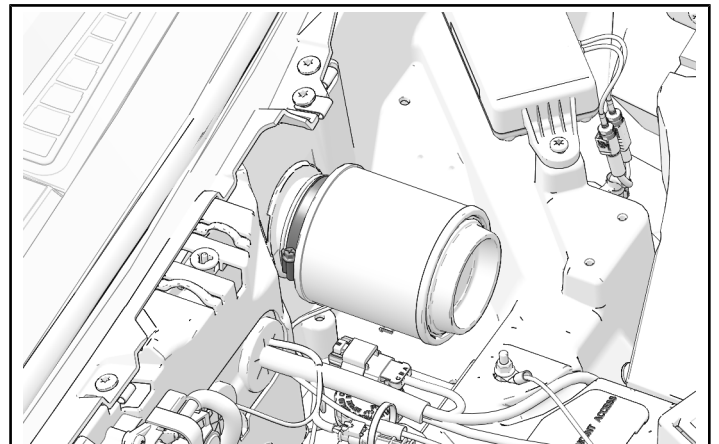


2. Remove hood forward to release front hooks.

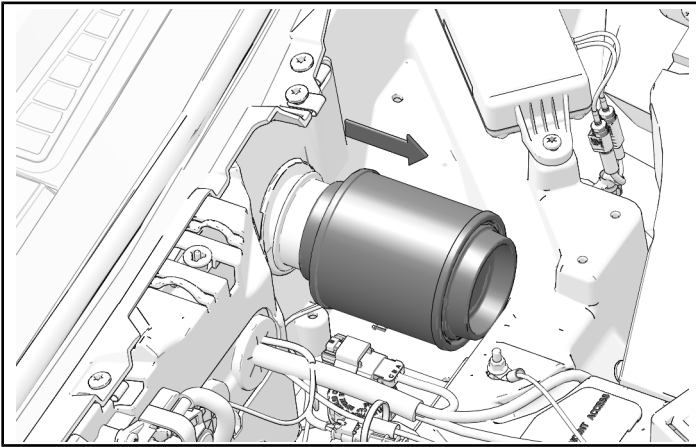


## CABIN FILTER REMOVAL (IF APPLICABLE)

1. Remove hose clamp from cabin filter.



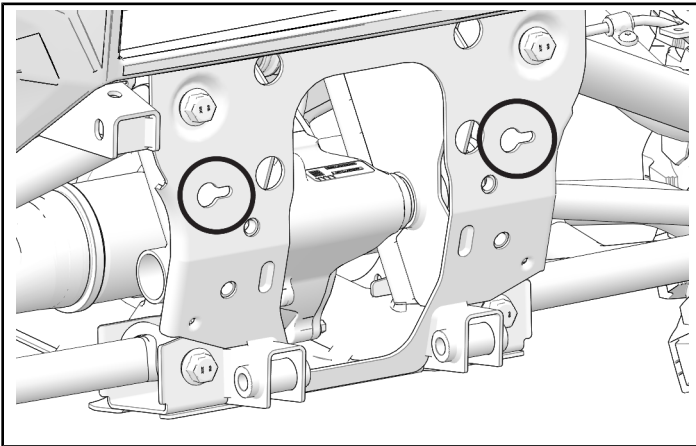
2. Pull cabin filter out to remove.



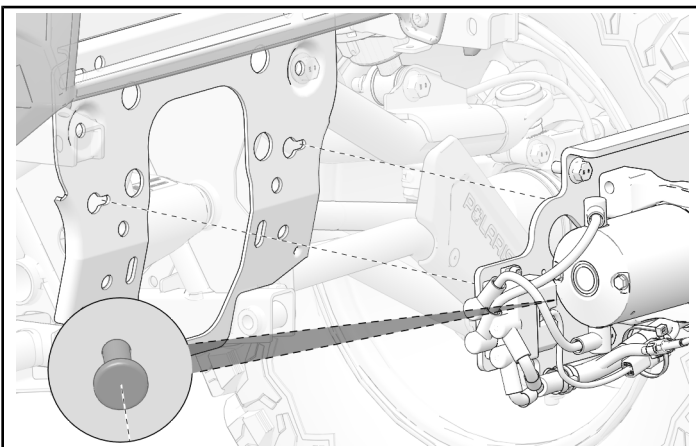
## ACCESSORY INSTALLATION

### WINCH ASSEMBLY INSTALLATION

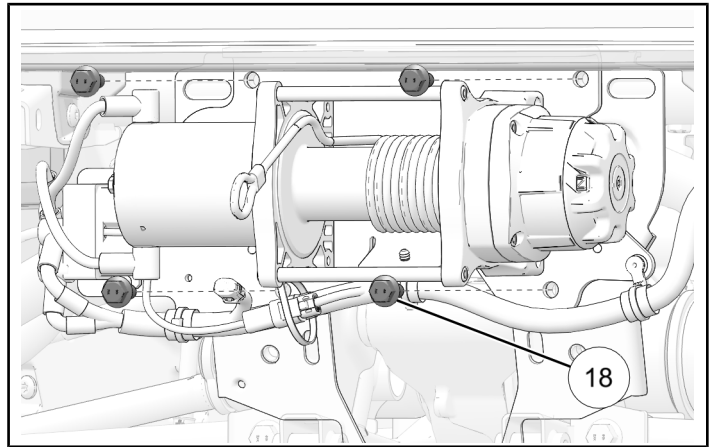
1. Find keyhole openings on front of vehicle chassis.



2. Align winch mounting plate retainers with the keyhole openings, install winch onto vehicle chassis by installing retainers into keyhole and moving sideways.



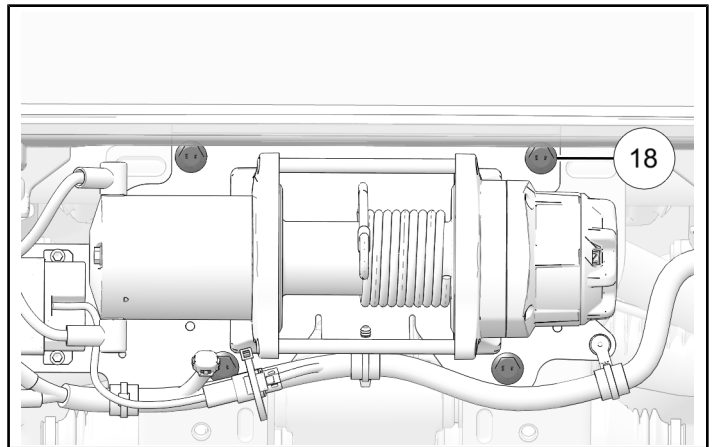
3. Loosely attach winch assembly to vehicle using four screws ⑱.



4. Torque screws ⑱ to specification.

#### TORQUE

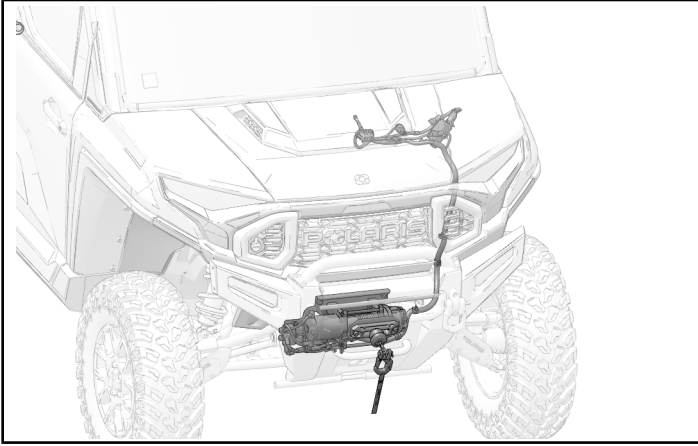
Screws ⑱:  
**40 ft-lbs (54 N·m)**



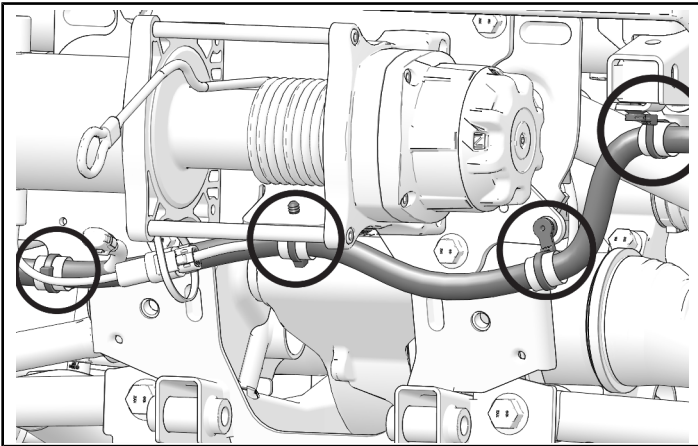
5. Put winch clutch or gearshift knob in “N” position and pull out three feet of rope to ease installation of the fairlead and hook. Shift winch back into “L” gear and give rope a slight tug to engage gears.

## HARNES ROUTING

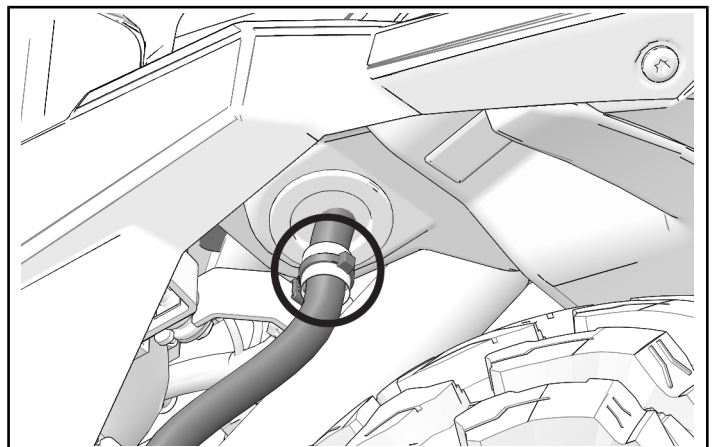
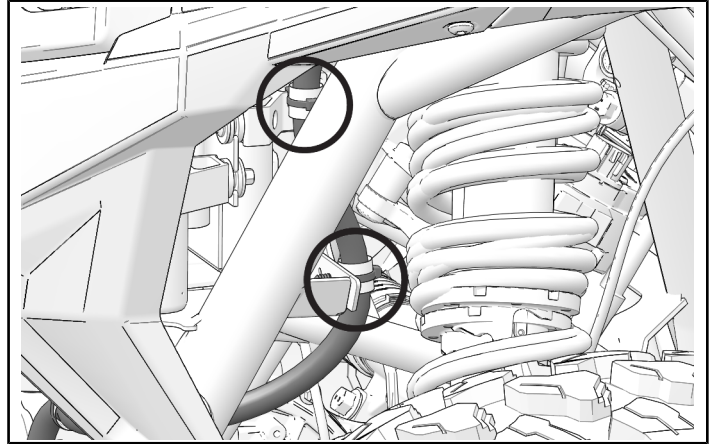
### ROUTING OVERVIEW



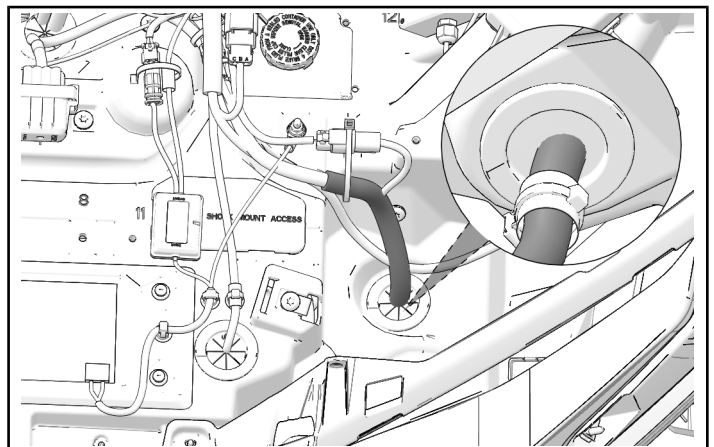
1. Route harness below winch and attach to chassis with push-pin clips as shown.



2. Continue routing harness upwards along left side of vehicle frame and attach to frame using push-pin clips as shown.



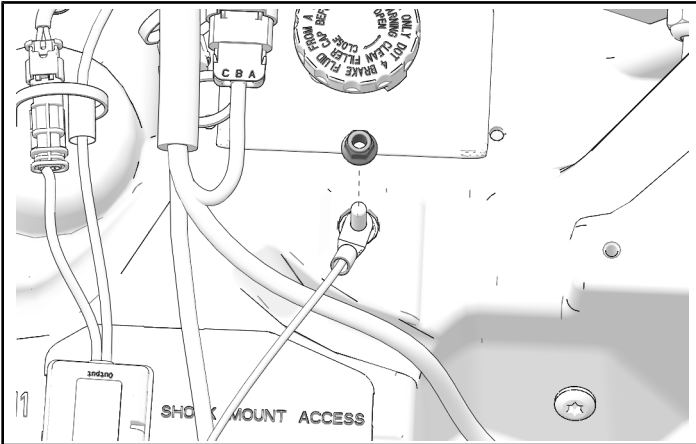
3. Route harness through grommet at left side into underhood tray.



4. Remove nut from ground stud.

**NOTICE**

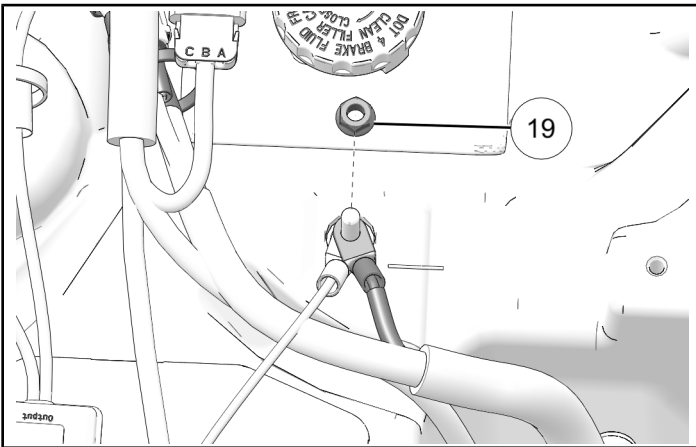
Parts of the vehicle have been hidden for clarity.



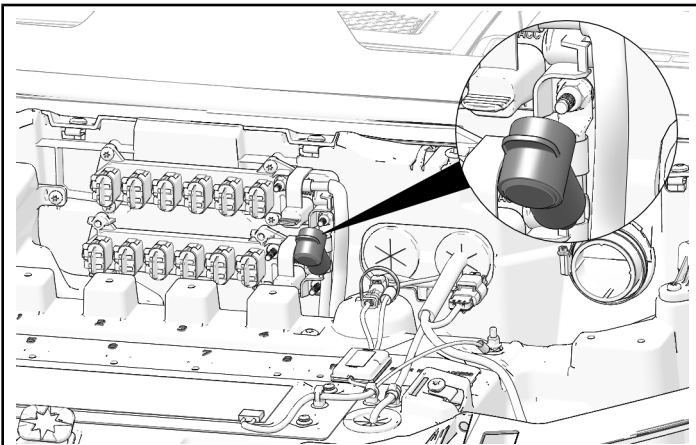
5. Install terminal end of black negative cable and attach with nut ⑱ and torque to specification.

**TORQUE**

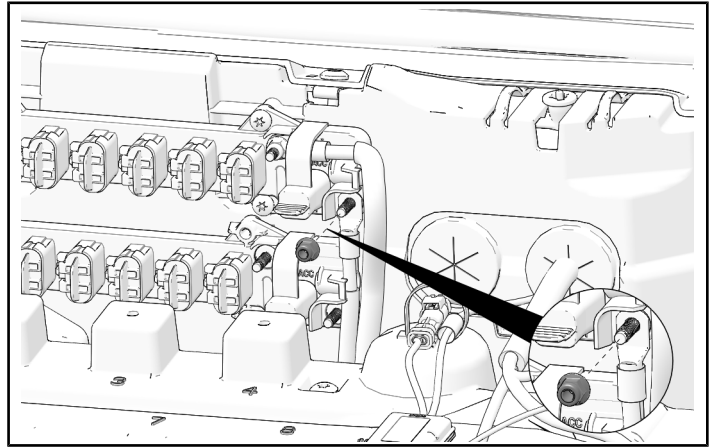
Nut ⑱:  
**97 in-lbs (11 N·m)**



6. Remove boot from positive connector and move out of the way to access nut.



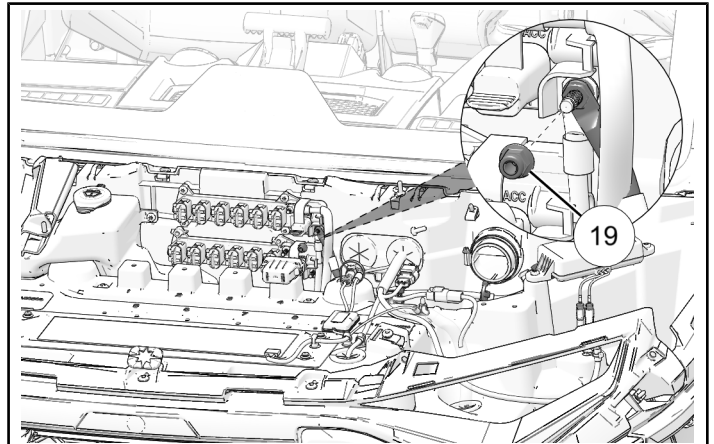
7. Remove nut from positive Polaris Pulse® bar terminal ring.



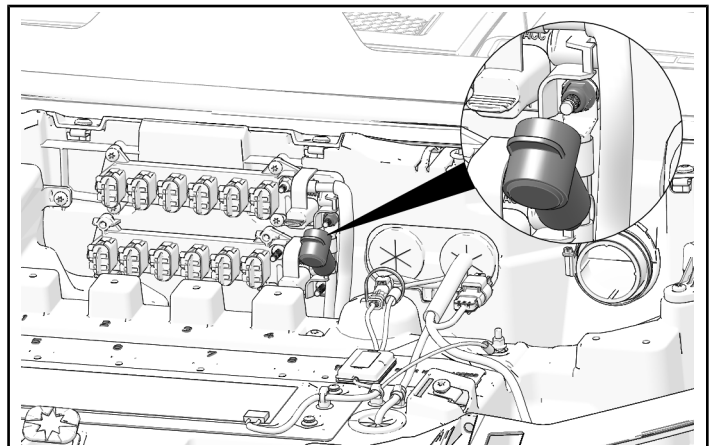
8. Install terminal ring of red positive cable to Polaris Pulse® bar and attach with nut ⑱ and torque to specification.

**TORQUE**

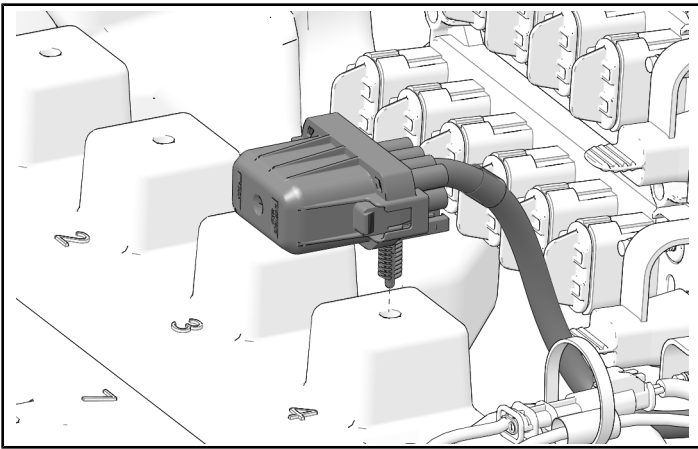
Nut ⑱:  
**97 in-lbs (11 N·m)**



9. Re-install boot over positive connector.

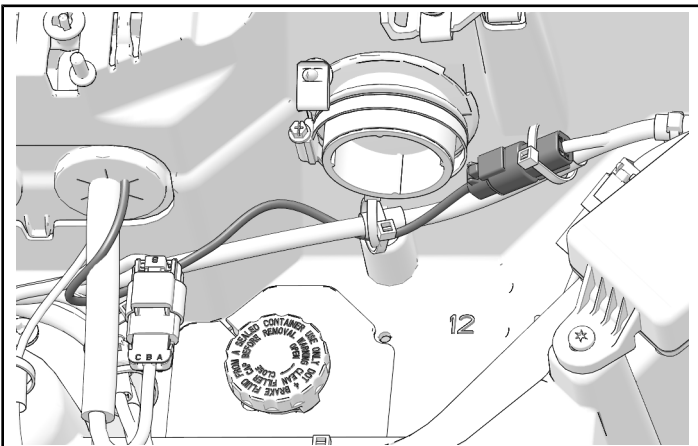


10. Install fuse block to mounting point 4.

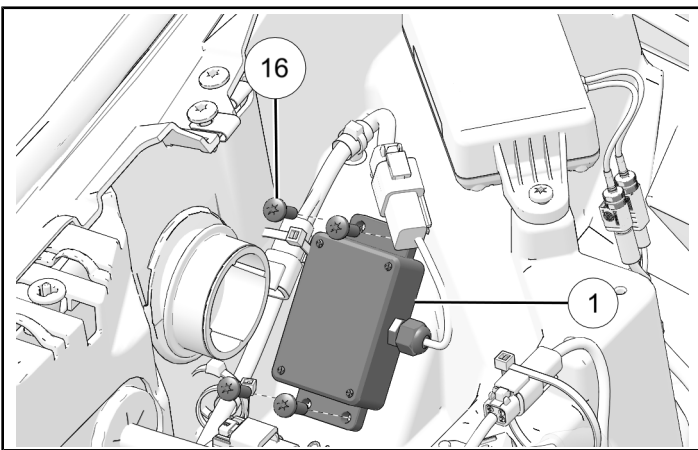


### **AUTOSTOP BOX INSTALLATION (KIT P/N 2889276 ONLY)**

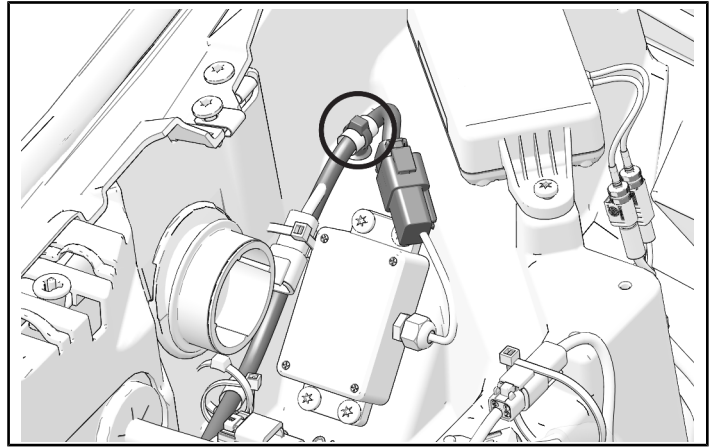
1. Connect chassis harness to autostop connection as shown.



2. Install autostop receiver ① to mounting point on vehicle using screws ⑯.

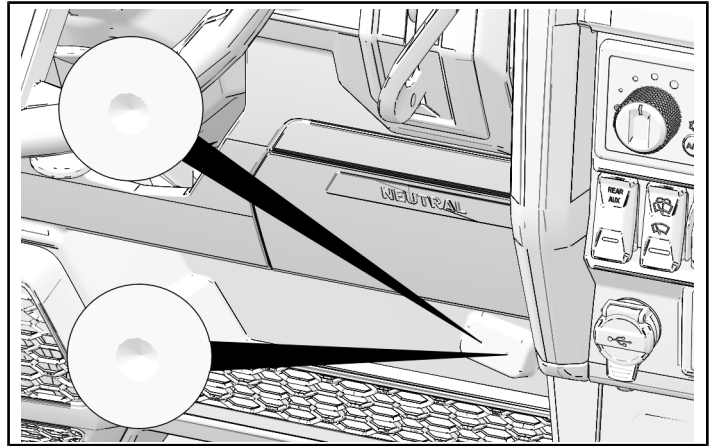


3. Attach autostop harness to vehicle frame using push dart in location shown.



### **REMOTE CONTROL INSTALLATION**

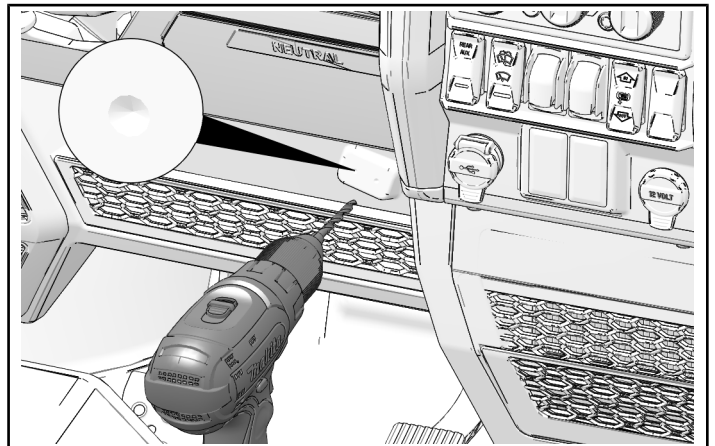
1. Locate and mark two dimples at mounting point on the driver side dashboard.



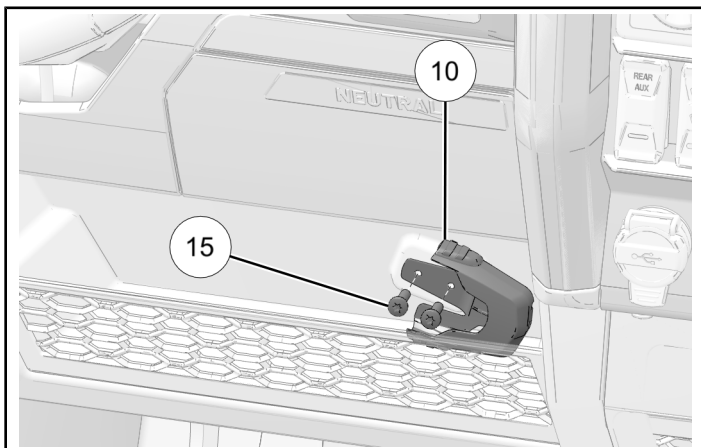
2. Drill holes at both previously marked dimples.

#### **MEASUREMENT**

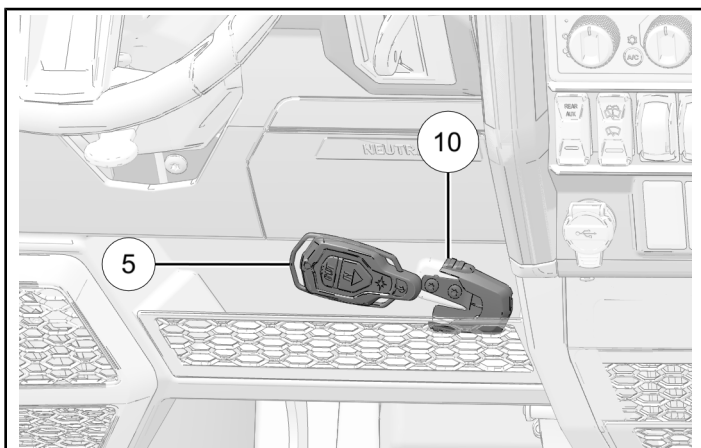
**Drill Bit 1/8 in (3 mm)**



3. Attach remote control holder ⑩ to vehicle frame using two screws ⑮.

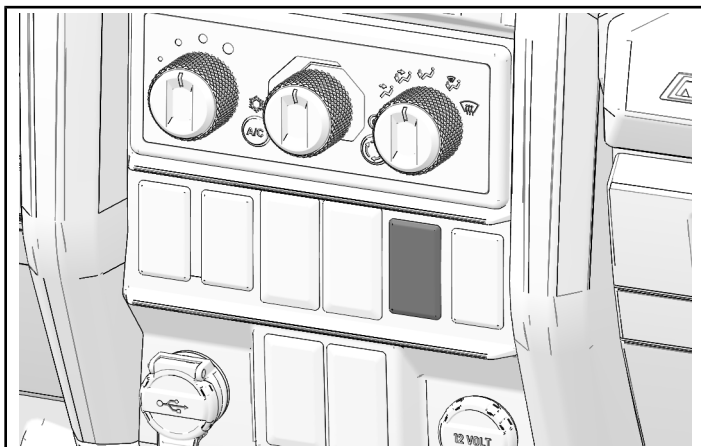


4. Place wireless remote ⑤ into remote control holder ⑩.

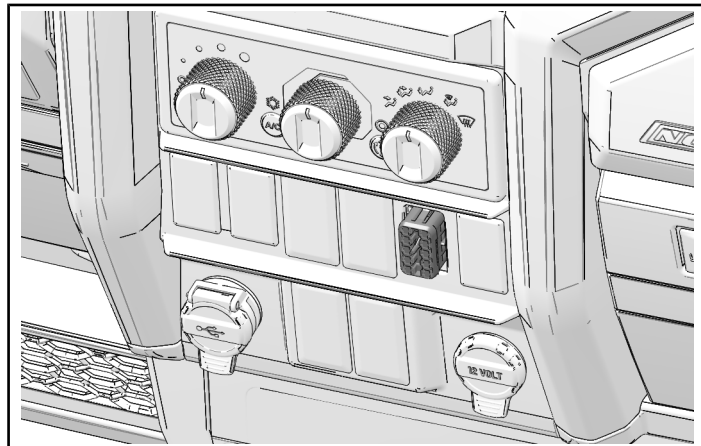


### SWITCH INSTALLATION

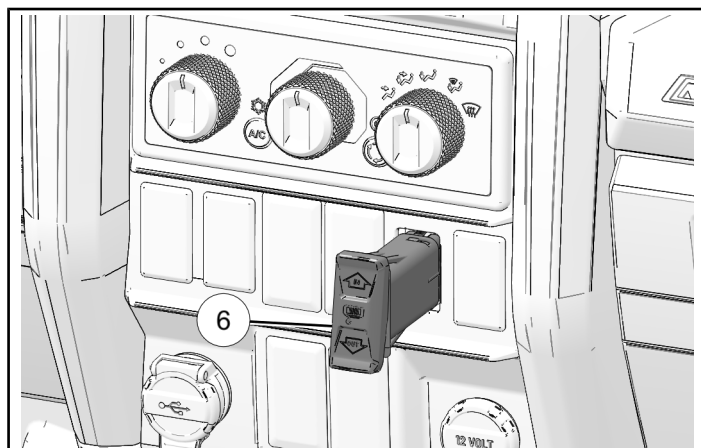
1. Remove blank plug from the switch block from any available location in the dashboard.



2. Find empty connector for winch control switch and pull connector through the blank opening. Empty connector will have a sticker reading "winch".



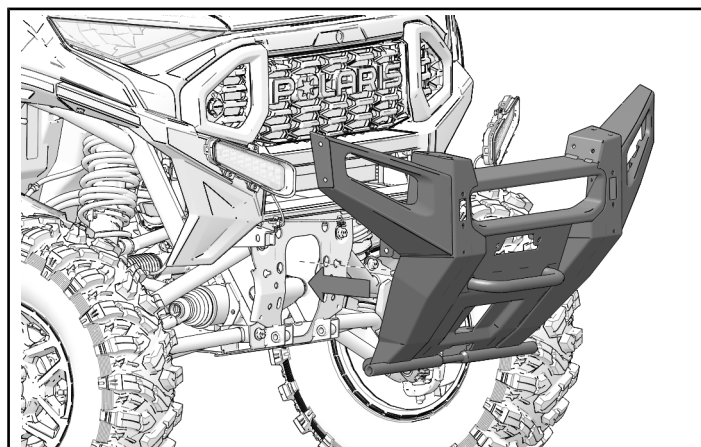
3. Install new winch control switch ⑥ to open connector and install into blank opening in dash. Push into opening until a click is heard.



### FRONT BUMPER INSTALLATION

1. Align front bumper with four mounting holes on vehicle.

**IMPORTANT**  
Make sure rope is not pinched between bumper and chassis.





- Loosely install four screws. After all four screws are installed, torque screws to specification.

**NOTICE**

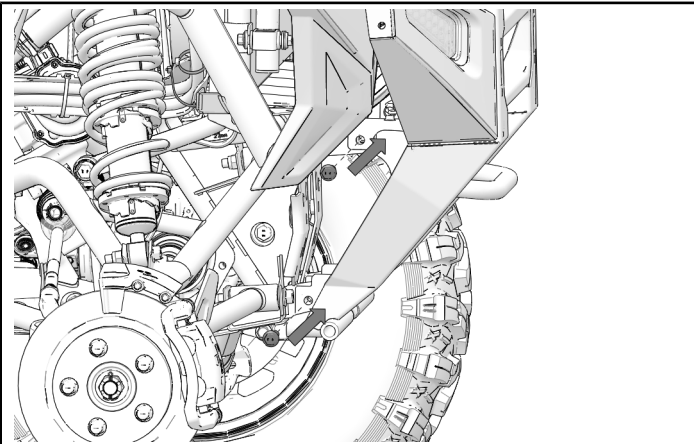
Right side shown; left side similar.

**NOTICE**

Right front wheel hidden for clarity.

**TORQUE**

Bumper Screws:  
**33 ft-lbs (45 N·m)**

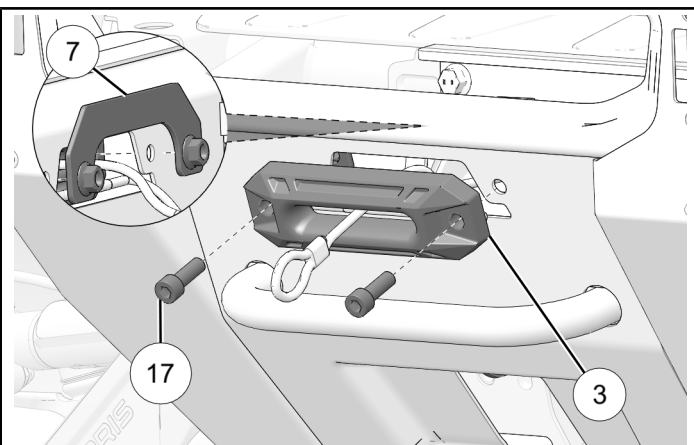


**FAIRLEAD INSTALLATION**

- Pull rope through fairlead, and install fairlead assembly (3) to bumper using two screws (17) and backer plate (7).

**IMPORTANT**

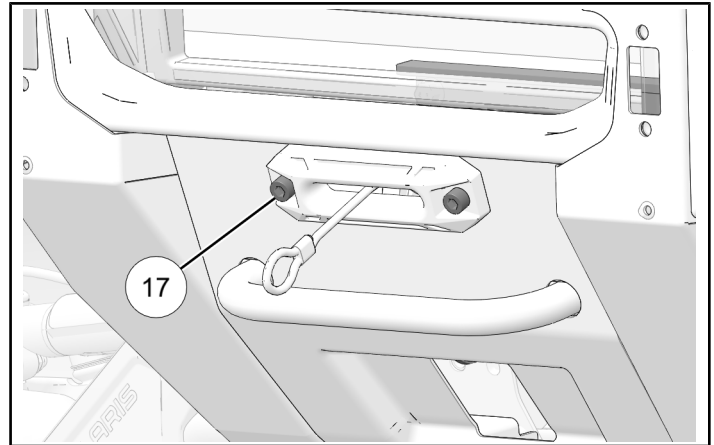
Make sure rope is not routed over tie bar or any other obstacle.



- Torque two screws (17) to specification.

**TORQUE**

Screws (17):  
**40 ft-lbs (54 N·m)**

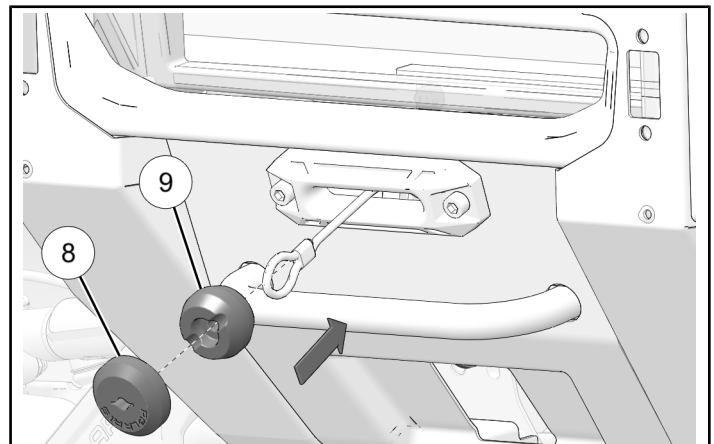


**WINCH STOP AND HOOK INSTALLATION**

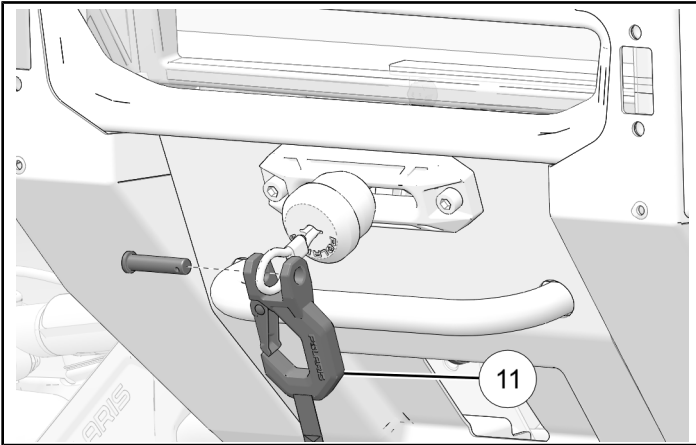
- Install winch stop magnet (8) and bumper jounce (9) to winch rope.

**TIP**

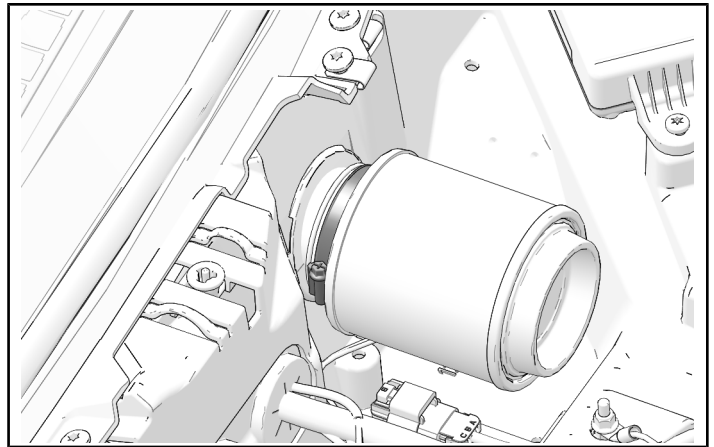
Use a zip tie to form a loop through the loop at the end of the rope, then pull the zip tie loop through the jounce bumper and stop magnet.



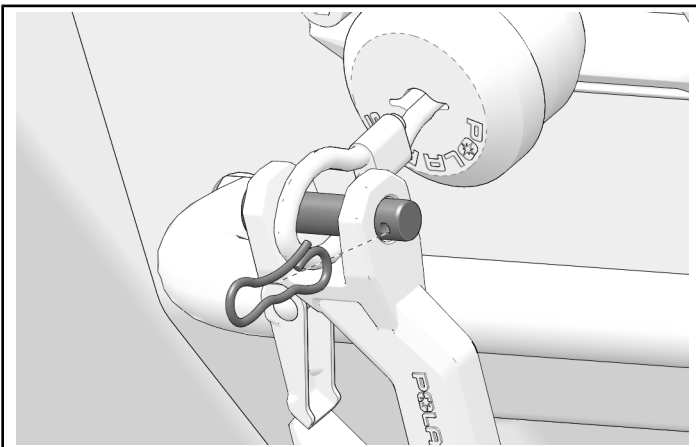
2. Attach winch hook ⑪ to winch rope using clevis pin.



2. Attach cabin filter with hose clamp.

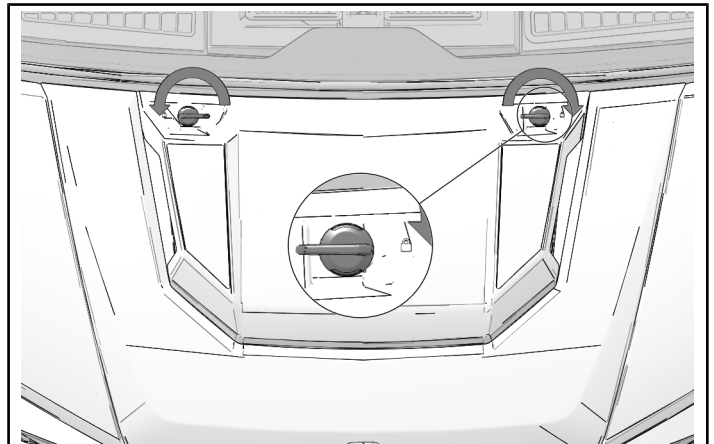


3. Attach clip to clevis pin.



## **INNER HOOD INSTALLATION**

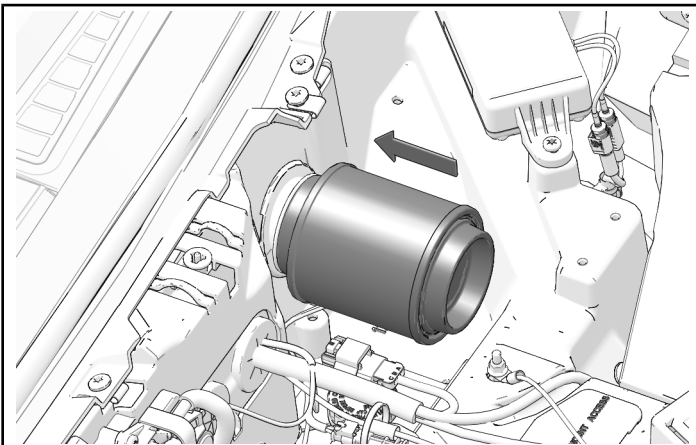
1. Install inner hood onto front of vehicle. Turn knob outwards until it points towards the lock symbol.



## **VEHICLE REASSEMBLY**

### **CABIN FILTER INSTALLATION**

1. Install cabin filter to hose.



# OPERATION

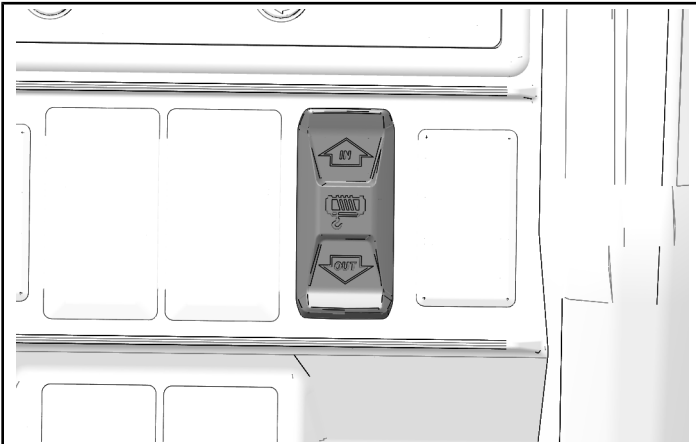
## REMOTE CONTROL OPERATION

### NOTICE

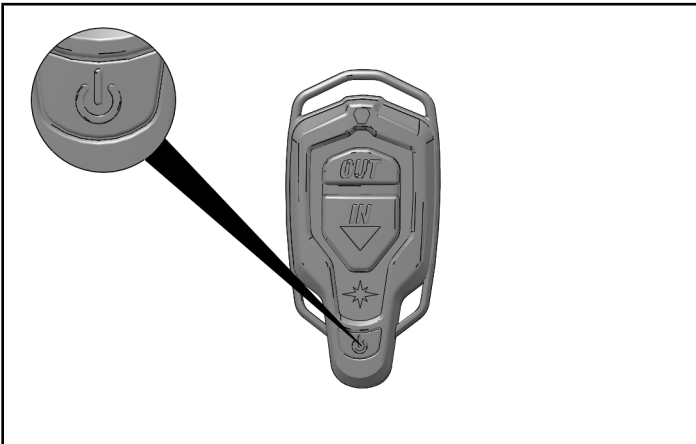
The winch switch will only function if a winch has been properly installed on the vehicle.

The winch switch has two functions that activate by pushing the top or bottom of the switch.

1. Push the top button of the switch “IN” to spool line in to winch.
2. Push the bottom button of the switch “OUT” to spool line out from winch.



To operate winch with remote control, push and hold power button until LED lights illuminate.



### OPERATIONAL CHECK

Wireless remote allows winch operation from outside the vehicle. If winch does not operate as described, refer to the **TROUBLESHOOTING** section.

### IMPORTANT

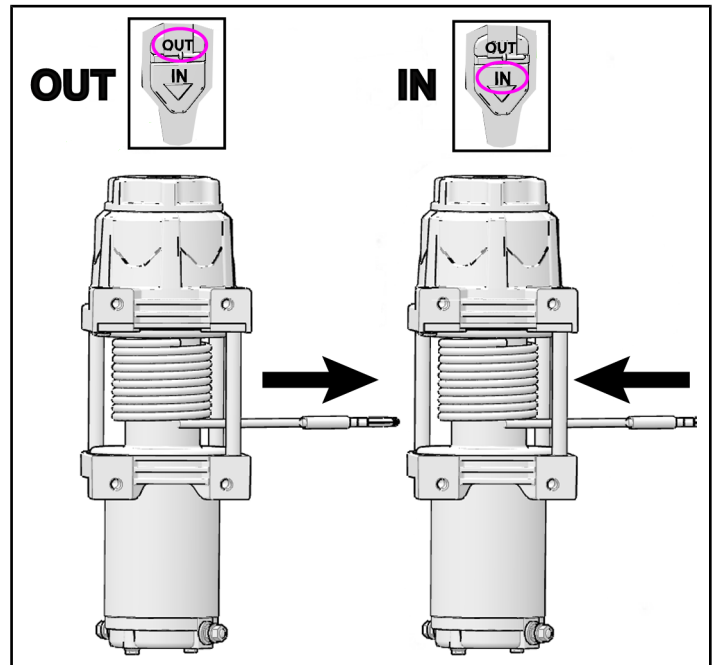
The Autostop system is intended to prevent winch damage caused by over-tightening a recovered rope, but cannot prevent all possible winch damage. The winch system is very powerful and care should be exercised whenever it is in operation.

The winch operator is always responsible for using the winch properly, as described in the accompanying “Winch User Guide”. The Autostop system should only be used as a **SECONDARY** preventive measure to help prevent winch damage during rope recovery.

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.

### IMPORTANT

During rope recovery the winch should automatically stop when the magnetic stop touches or comes close to the autostop fairlead (within approximately 1 inch / 25 mm). Magnets in the stop trigger sensors in the fairlead, stopping the winch.



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.

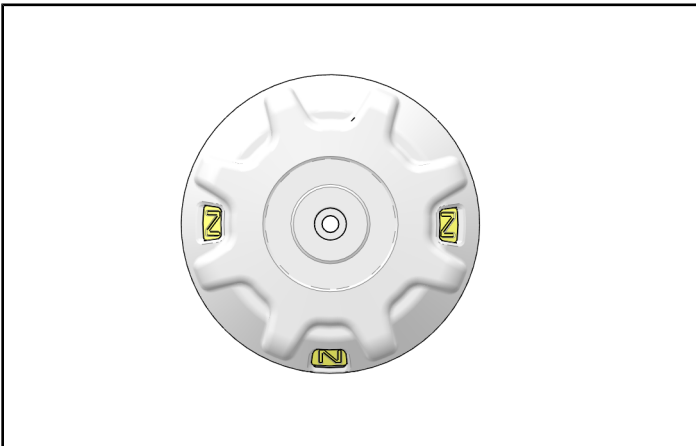
### NOTE

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).

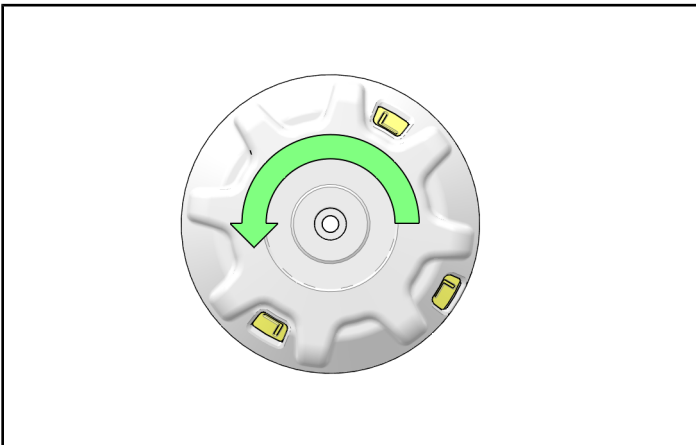
#### 1. NEUTRAL: Used to rapidly extend the rope.

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.**

