

# AUTOSTOP SENSOR KIT



P/N 2890454

## MISSING OR DAMAGED PARTS

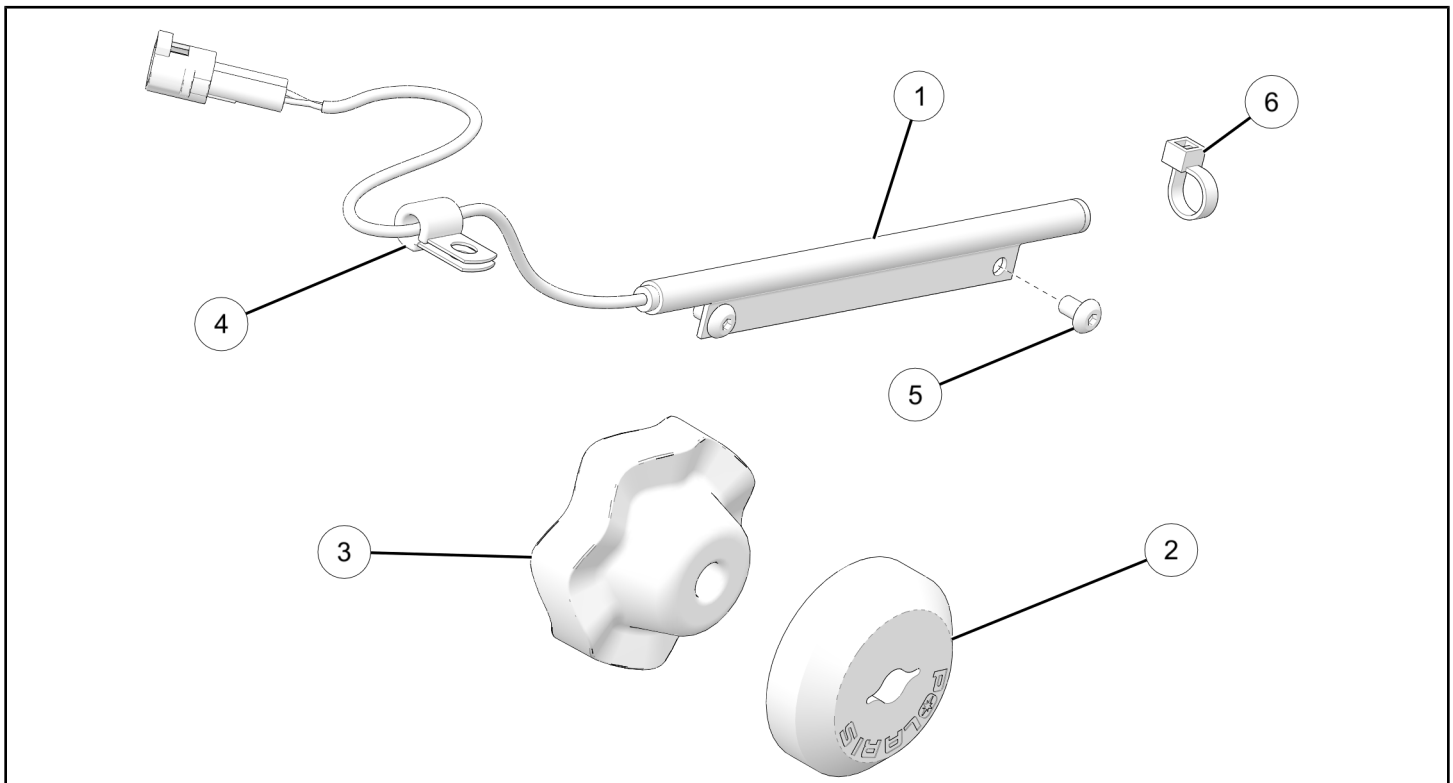
Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

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
1	1	Autostop Bar Assembly	2417203
2	1	Stop Magnet, Bumper	5415787
3	1	Bumper, Jounce	5418521
4	1	Wire Clamp	7081246
5	2	Screw, Hex Button Head M5 x 0.8 x 6 mm	n/a
6	3	Cable Tie	7080492

## TOOLS REQUIRED

- Safety Glasses
- Pliers, Push Pin Rivet
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric
- Vehicle Lift/Support Equipment

## IMPORTANT

Your Autostop Sensor 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

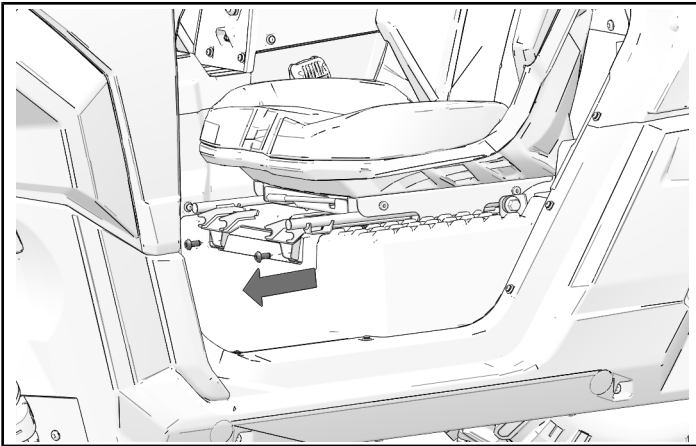
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

#### BATTERY DISCONNECTION

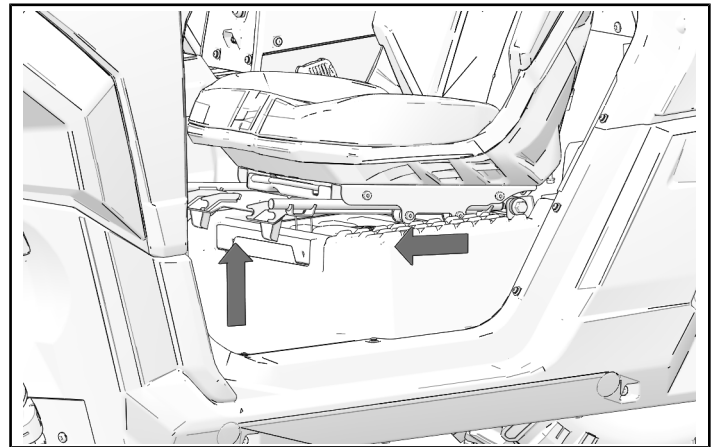
##### NOTICE

Doors hidden for clarity.

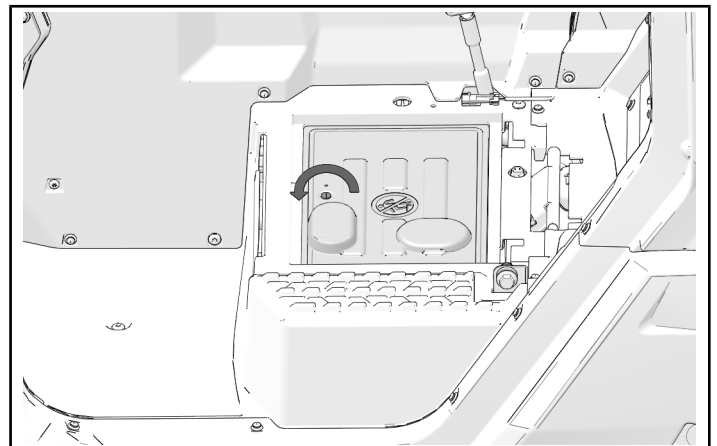
1. Remove and keep two screws from front of driver seat base.



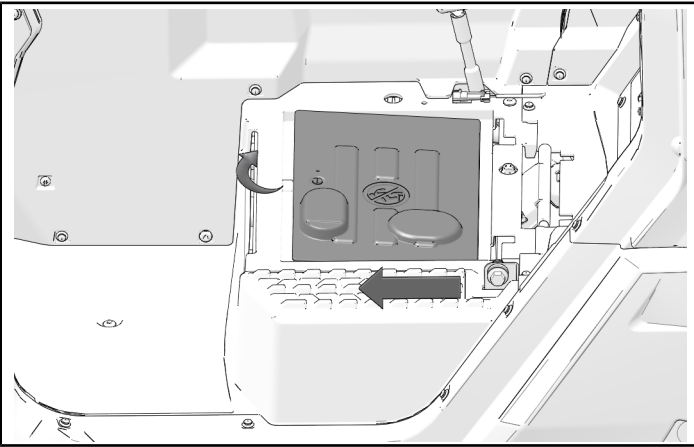
2. Lift front of seat and pull forward to remove seat.



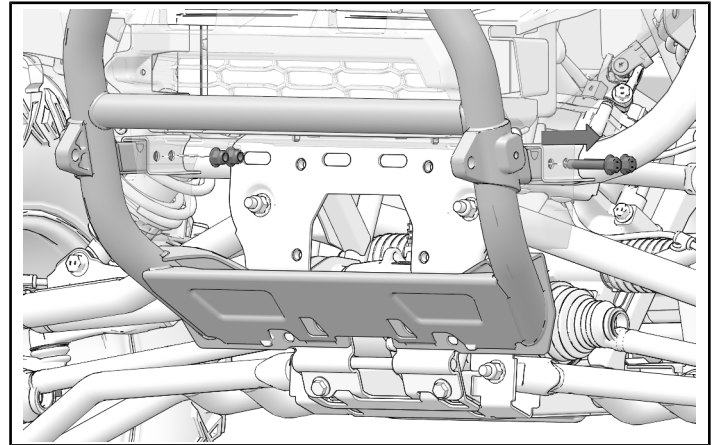
3. Turn screw to open cover.



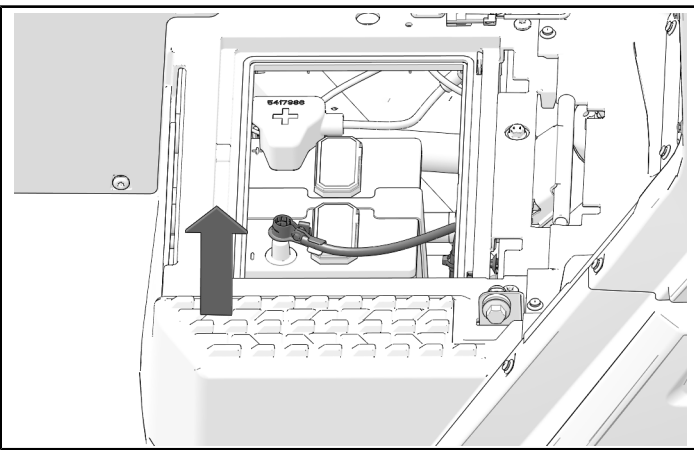
4. Lift cover and slide forward to remove.



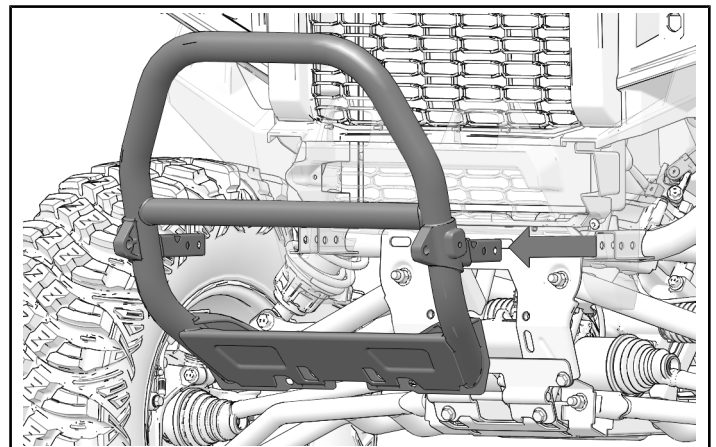
2. Remove four screws and nuts from the upper mounting points.



5. Disconnect negative (-) cable from battery.

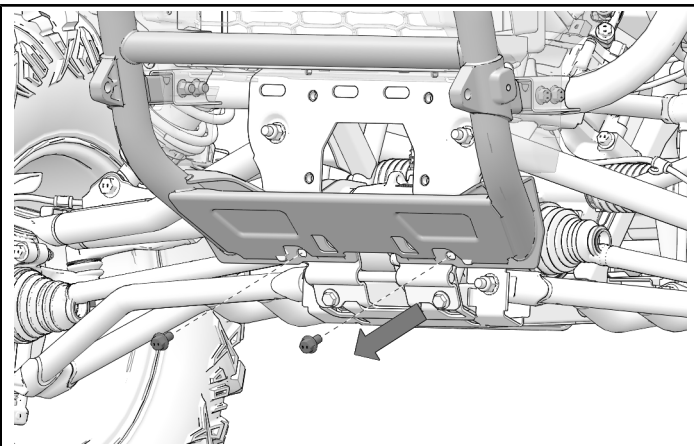


3. Remove bull bumper by pulling forward.



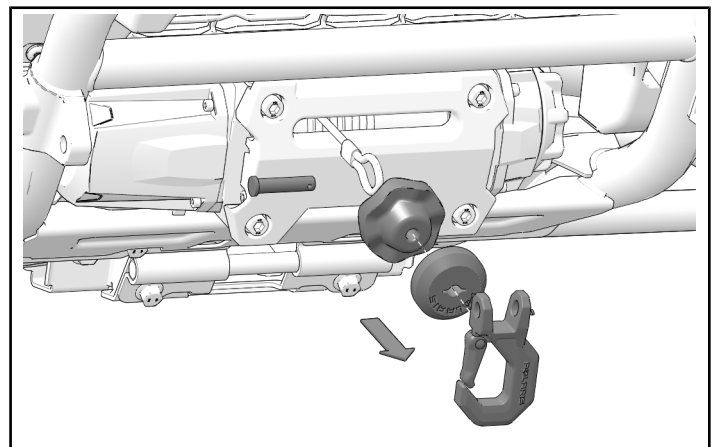
## **BULL BUMPER REMOVAL**

1. Remove two lower screws from bull bumper.

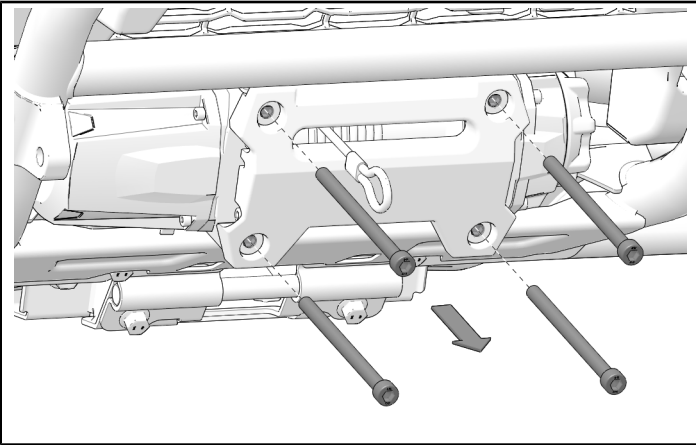


## **ACCESSORY INSTALLATION**

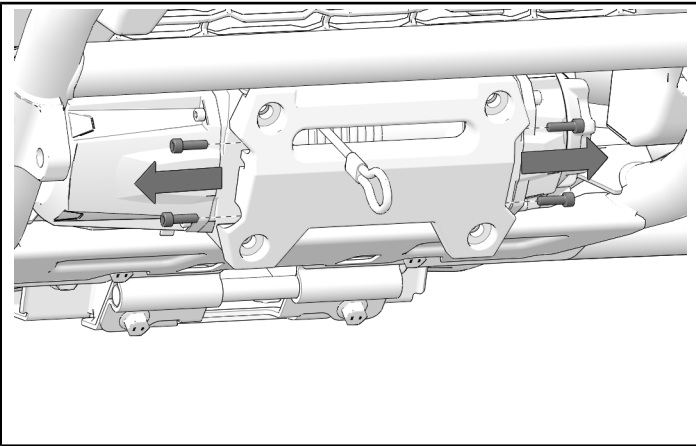
1. Remove and keep clevis pin and cotter pin from hook. Remove and keep hook and any bumpers.



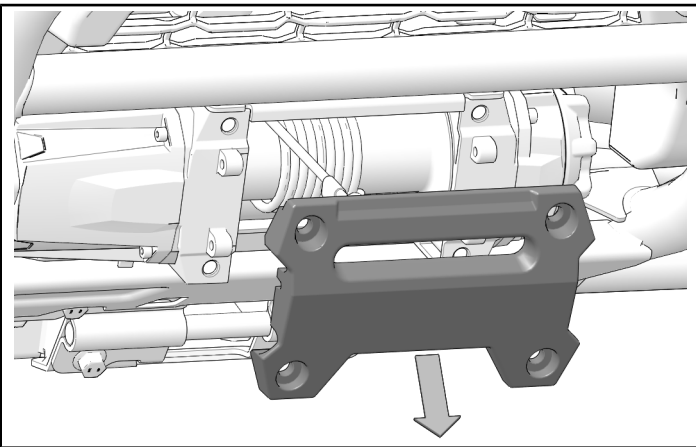
2. Remove and keep four screws that attach winch to vehicle. Winch will remain in vehicle.



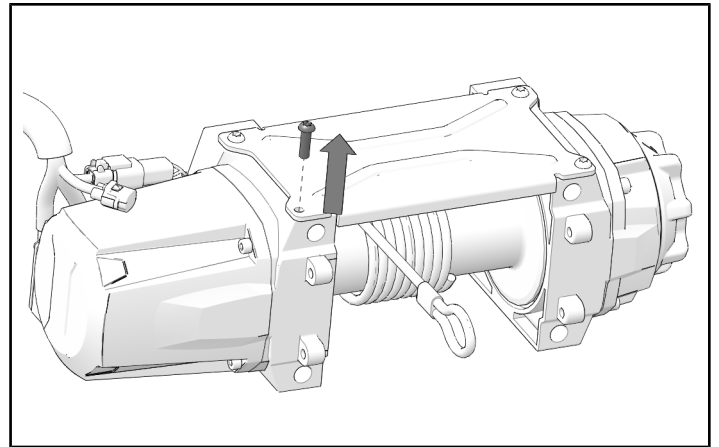
3. Remove and keep four screws that attach fairlead to winch.



4. Remove fairlead from front of winch.



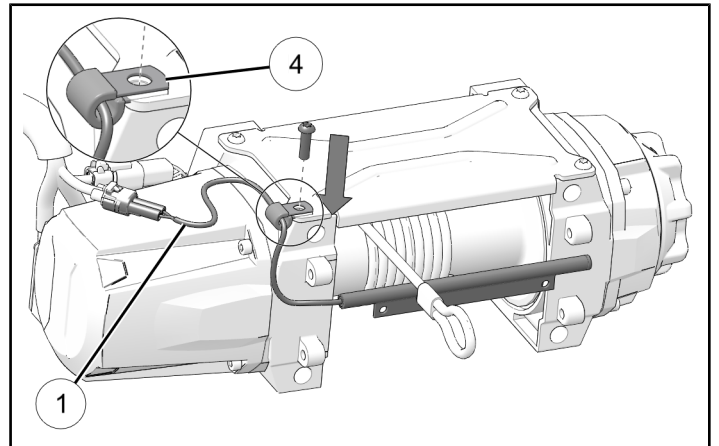
5. Remove and keep one screw from top of winch.



6. Route wiring for sensor bar ① through clip ④. Attach clip to winch with screw removed in previous step. Clip must face downward. Torque screw to specification.

**TORQUE**

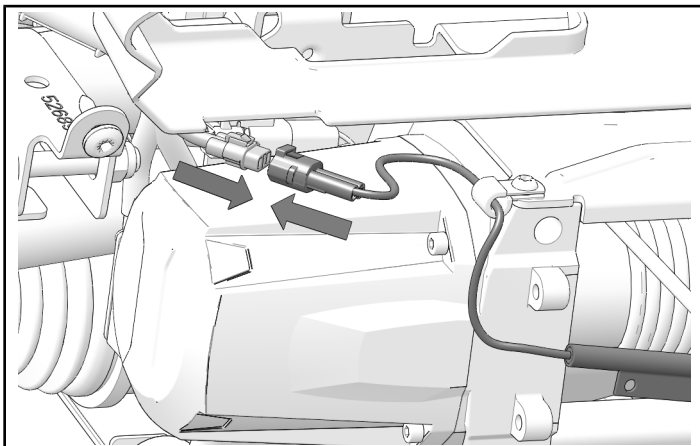
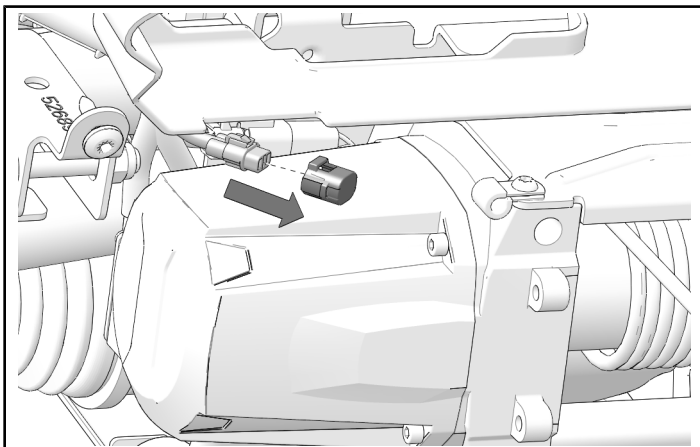
Screw:  
**10 in-lbs (1.1 N·m)**



7. Locate white connector on existing winch harness. Remove cap from connector and connect sensor bar to harness.

**NOTICE**

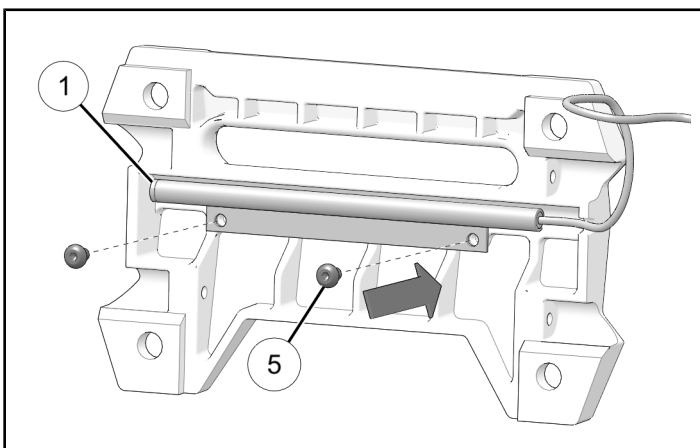
Front fascia hidden for clarity.



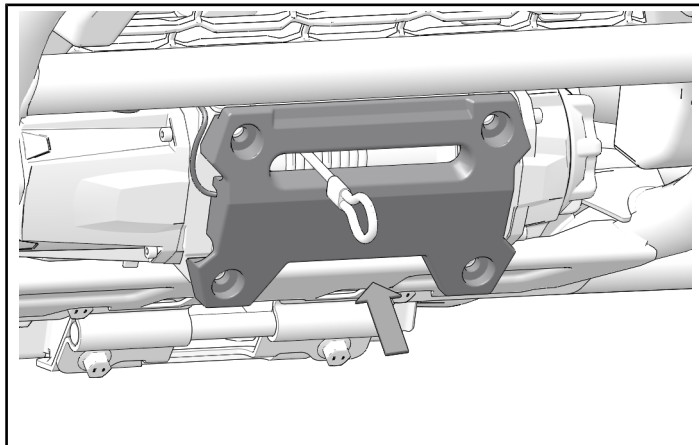
8. Attach sensor bar ① to back of fairlead. Use two screws ⑤. Torque screws to specification.

**TORQUE**

Screws ⑤:  
**72 in-lbs (8 N·m)**



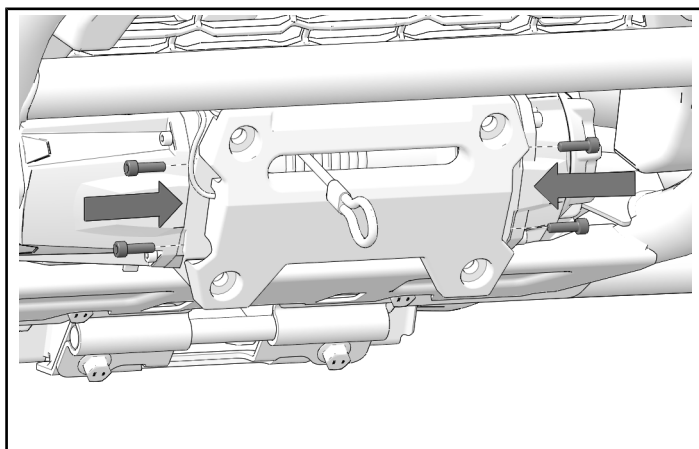
9. Assemble fairlead to winch.



10. Install four screws. Torque screws to specification.

**TORQUE**

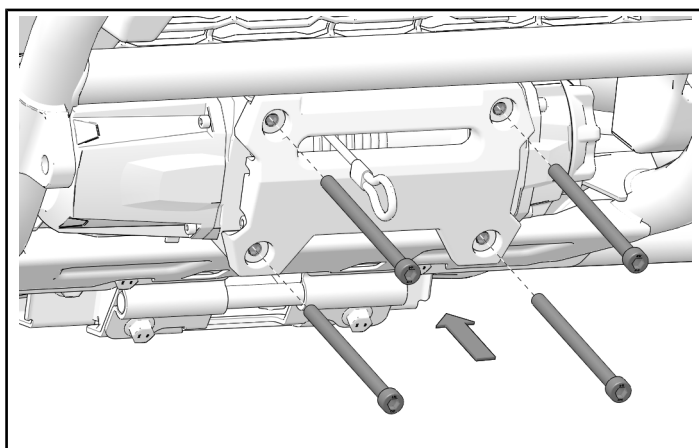
Screws:  
**58 in-lbs (6.5 N·m)**



11. Install four winch mounting screws. Torque screws to specification.

**TORQUE**

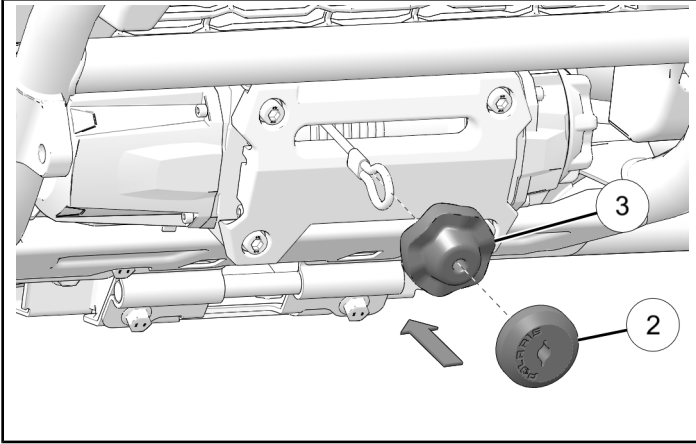
Screws:  
**59 ft-lbs (80 N·m)**



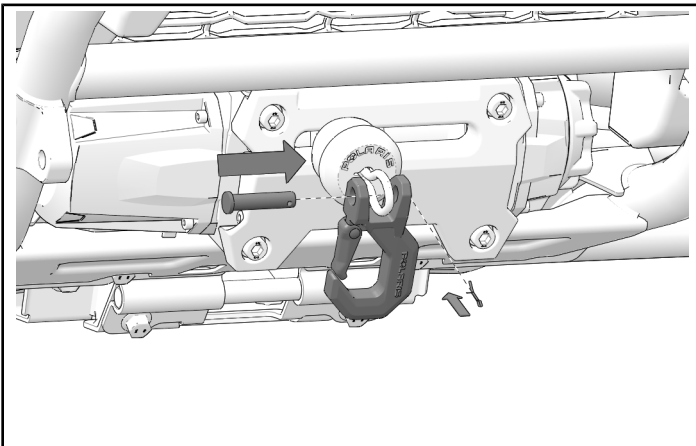
12. Install jounce bumper ③ and stop magnet ② on winch rope.

**TIP**

Use a cable tie to make a loop through end of winch rope. Use cable tie as a handle to pull rope through jounce bumper and magnet bumper. Remove cable tie after completion of this step.



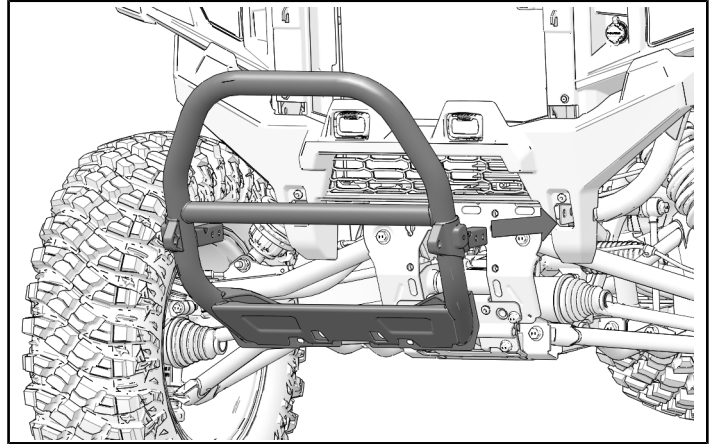
13. Install hook on winch rope with clevis and cotter pin.



## VEHICLE REASSEMBLY

### INSTALL BULL BUMPER

1. Install bull bumper at front end of vehicle.

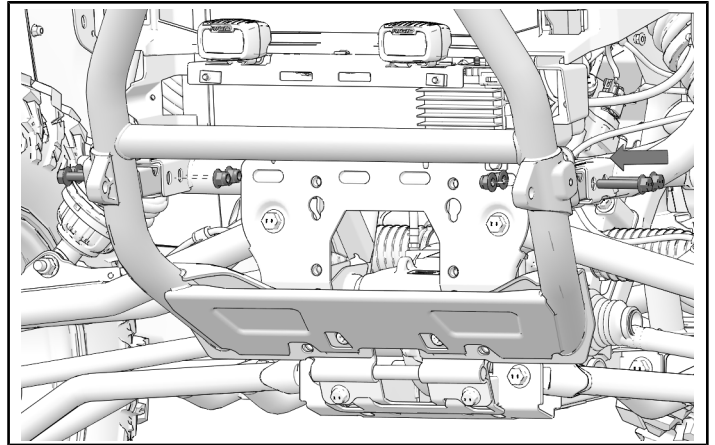


2. Install four screws and four nuts at upper mounting points.

**DO NOT** torque fasteners at this time.

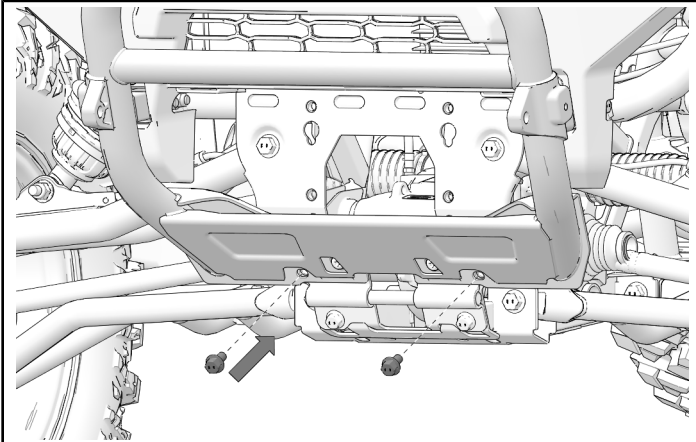
**NOTICE**

Front fascia hidden for clarity.



3. Install two lower screws in bull bumper.

**DO NOT** torque fasteners at this time.



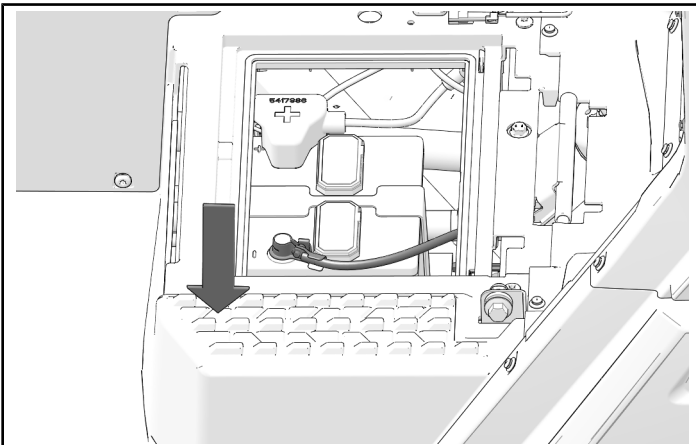
4. After all screws are installed, torque all fasteners to specification.

**TORQUE**

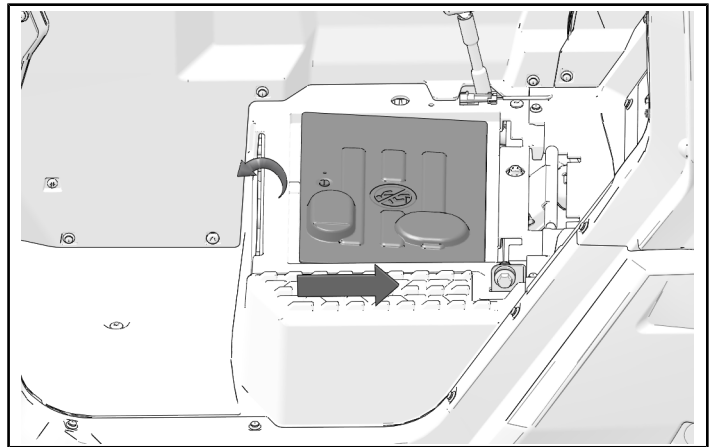
Screws:  
**37 ft-lbs (50 N·m)**

**CONNECT BATTERY**

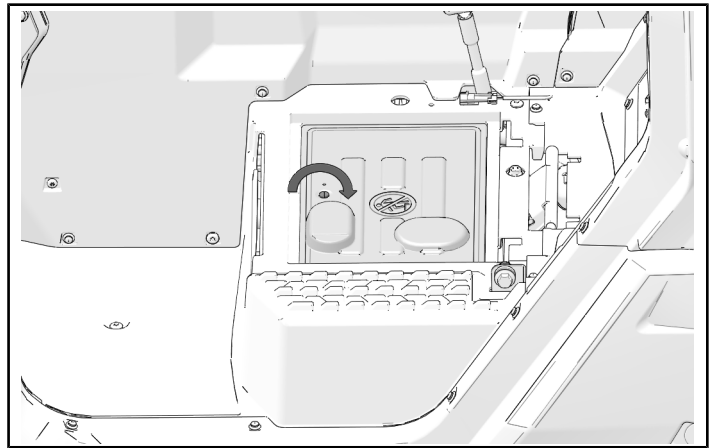
1. Connect negative cable to battery.



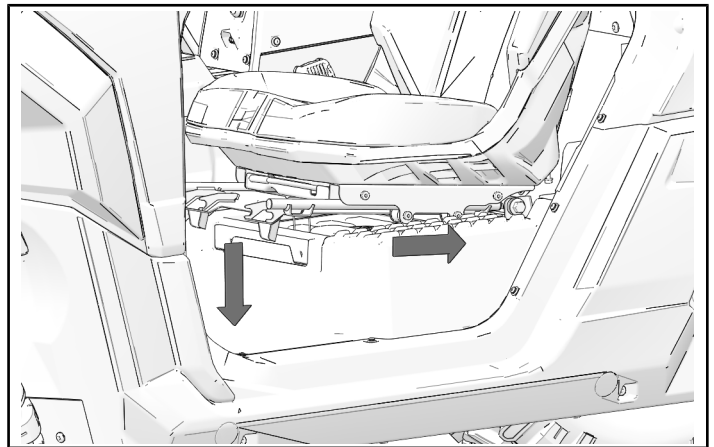
2. Push battery cover rearward and lower into place.



3. Turn screw to close cover.



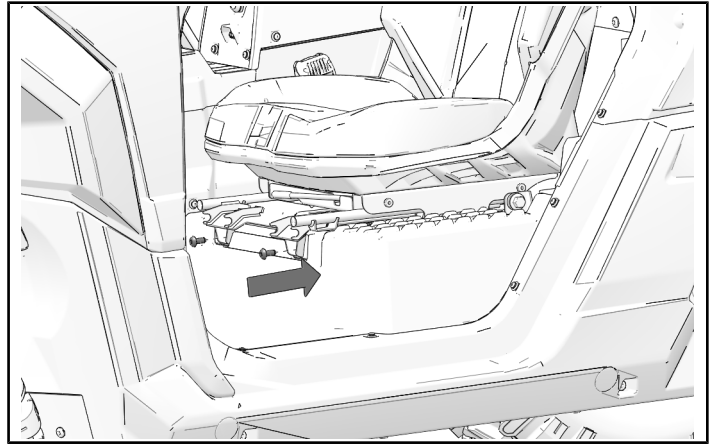
4. Push rearward to engage seat and lower front of seat into place.



5. Install two kept screws at front of seat base.  
Torque screws to specification.

### TORQUE

Screws:  
**13 ft-lbs (18 N·m)**



## OPERATION

### OPERATIONAL CHECK

#### IMPORTANT

The Autostop system is intended to prevent winch damage caused by over-tightening the 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 "Winch User Guide" included in the winch kit. The Autostop system should only be used as a secondary preventive measure to help prevent damage to the winch from over-tightening the rope.

#### NOTE

During rope recovery the winch should automatically stop when the magnetic stop ② comes close to or contacts the autostop assembly ① (within approximately 1 inch (25 mm)). Magnets in the stop trigger sensors in the assembly, stopping the winch.