

WINCH AUTOSTOP KIT



P/N 2889690

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.

IMPORTANT

This Autostop Winch Kit is intended for use with HD 4500 Lb. Winch Kit (PN 2889695).

REQUIRED SOLD SEPARATELY

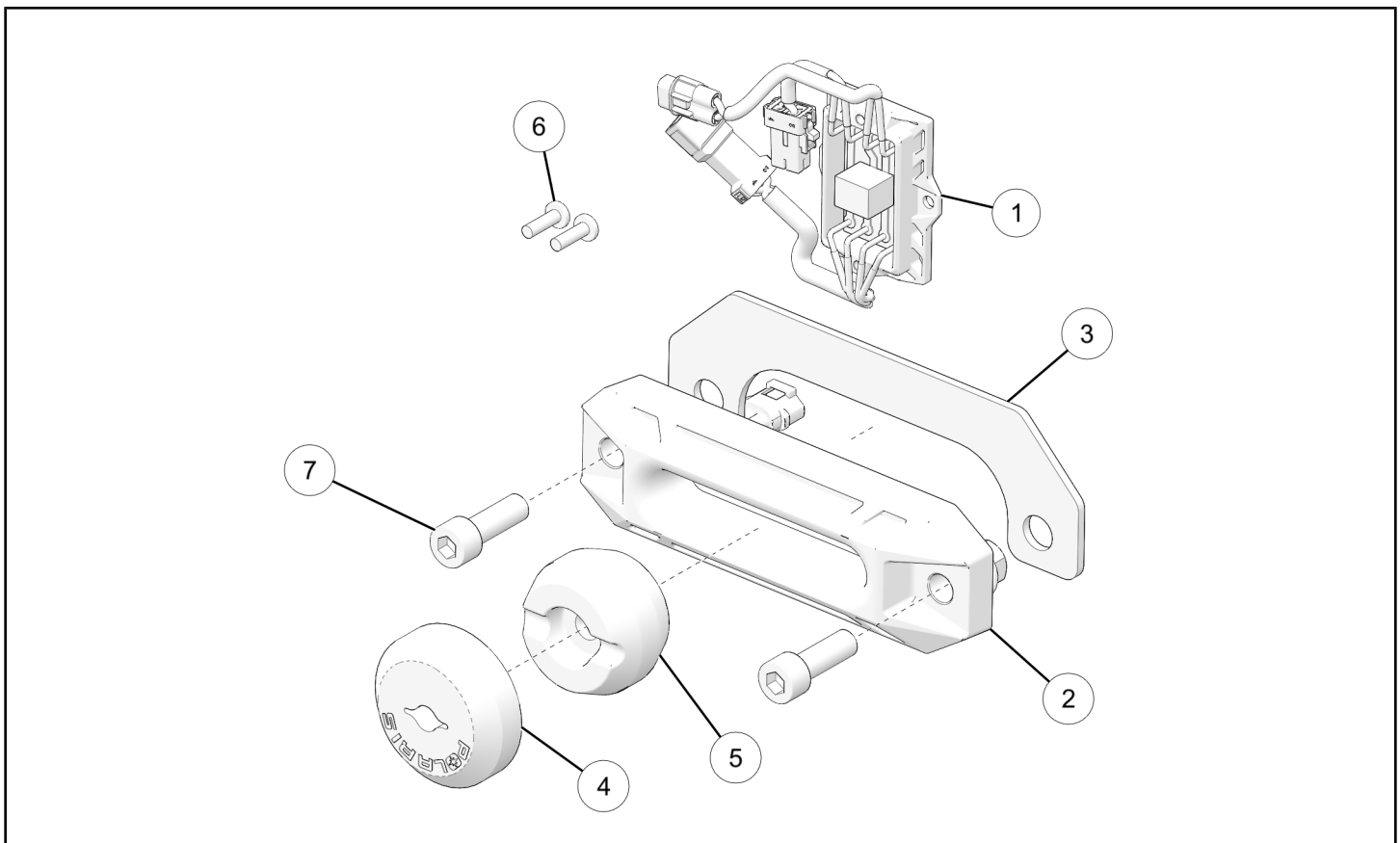
Only parts for installation of the Winch Autostop Kit are included. Prior installation of the following additional kits are also required (sold separately):

- *HD 4500 Lb. Winch Kit, P/N 2889695*

If the rope on the winch is damaged/needs replacement, the following additional kit is optional (sold separately):

- *Synthetic Winch Rope Kit, P/N 2879187*

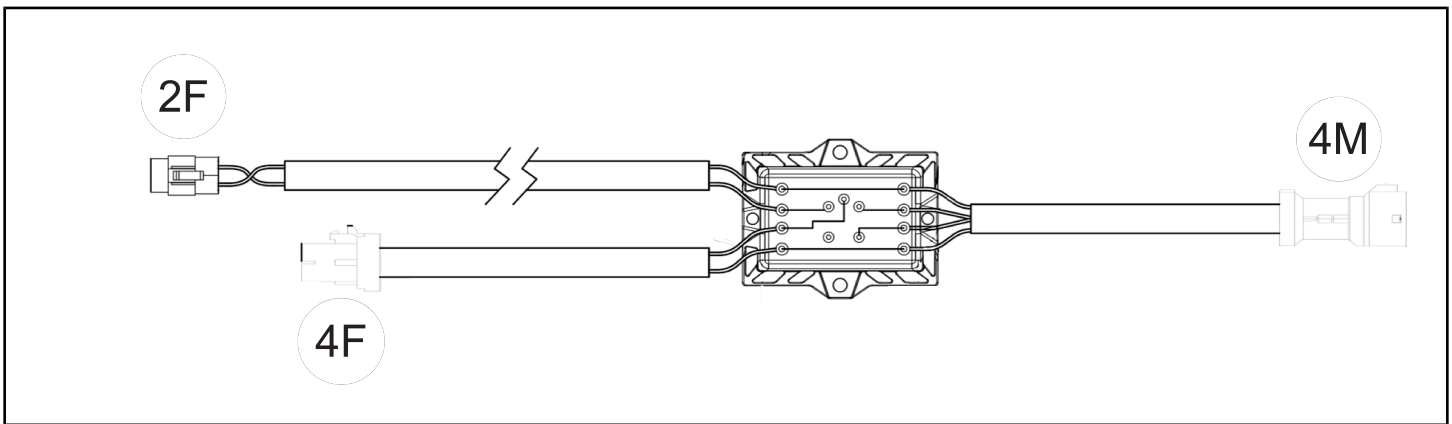
KIT CONTENTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Controller, Winch	n/a
2	1	Fairlead	2637781
3	1	Bracket, Mount	5271082
4	1	Stop Magnet, Bumper	5415787
5	1	Bumper, Jounce	5418451
6	2	Screw, Torx, Pan Head, Self Threading, 10 x 5/8 in	7518238
7	2	Screw, Socket Head, M10 x 1.5 x 30 mm	7519844

HARNES DETAIL

AUTOSTOP CONTROLLER ①



REF	PART DESCRIPTION	CONNECTS TO
2F	Fairlead connector	Fairlead
4F	Contactor connector	Contactor
4M	Main wire harness connector	Main wire harness

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

TOOLS REQUIRED

- Safety Goggles
- Pliers, Side Cutting
- Pliers, Slip Joint
- Screwdriver, Slotted
- Screwdriver Set, Torx®
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Torque Wrench
- Wrench Set, Metric

IMPORTANT

Your Winch Autostop 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

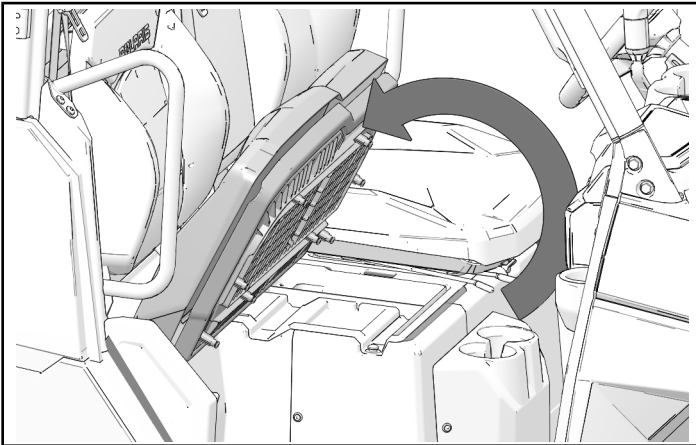
NOTICE

Battery is located under passenger seat for ranger 3 seat 1000. Battery is located under back passenger seat for crew for ranger crew 1000.

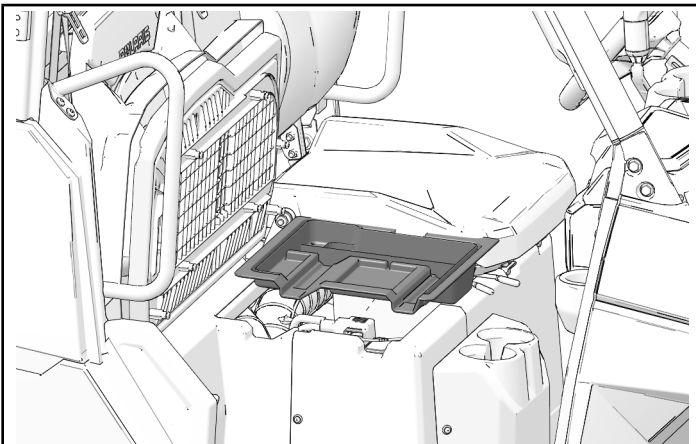
⚠ WARNING

Ensure red positive (+) battery terminal is COMPLETELY COVERED by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious injury may occur.

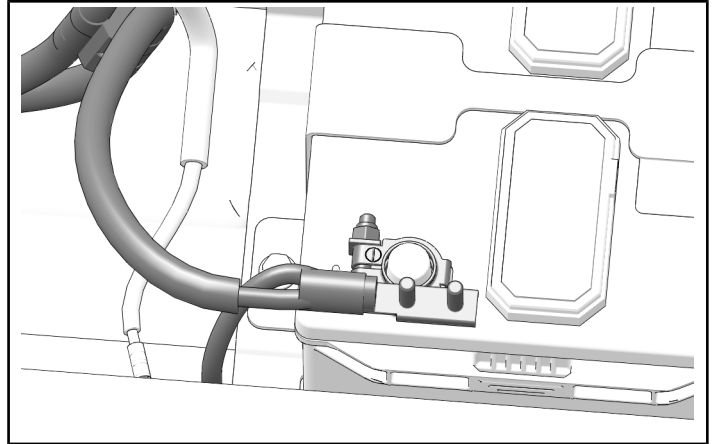
1. Lift up passenger seat.



2. Remove bin and set aside.

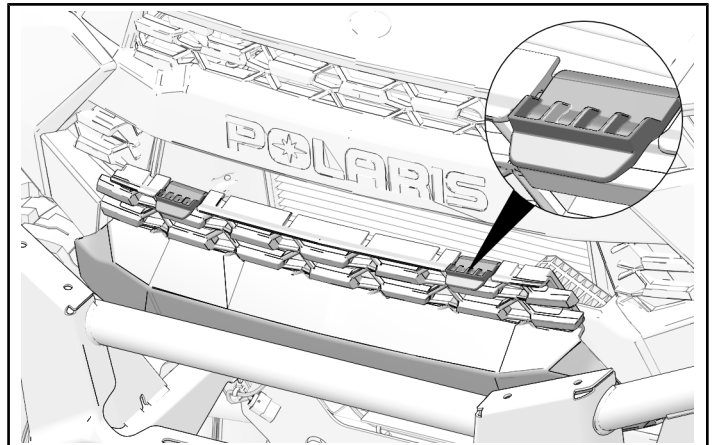


3. Loosen nut on negative wire and remove wire from battery.



GRILLE REMOVAL

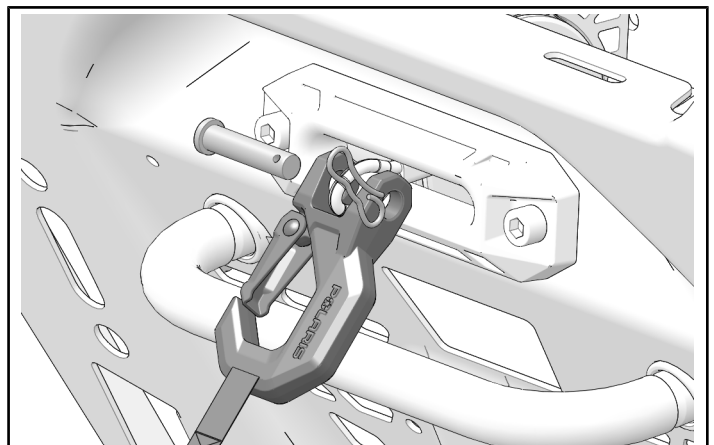
1. Push two tabs down to remove grille.



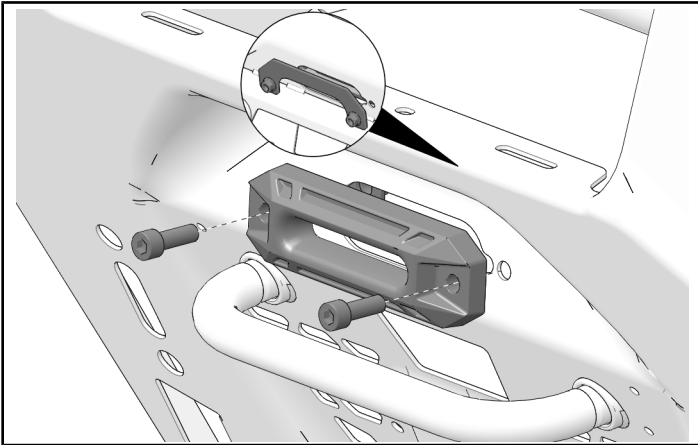
ACCESSORY INSTALLATION

REPLACE STANDARD FAIRLEAD WITH AUTOSTOP FAIRLEAD ②

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



2. Remove and discard two fairlead screws. Remove and discard fairlead and backer plate.



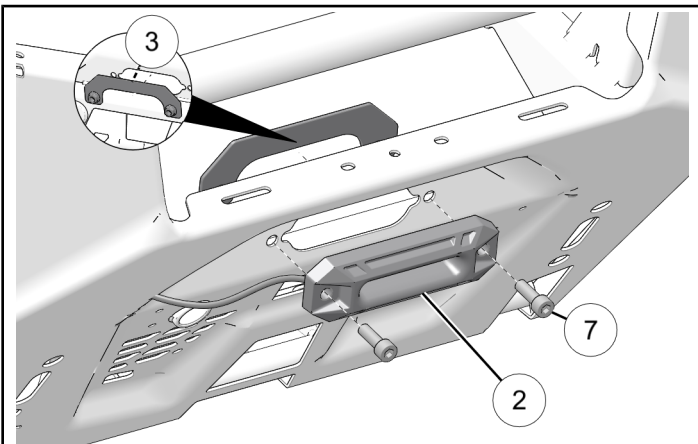
3. Install autostop fairlead ② using two new screws ⑦ and fairlead backer plate ③. Route fairlead wire through the opening. Torque screws to specification.

IMPORTANT

Do not pinch wire. When tightening screws make sure that the wire is not pinched or strained.

TORQUE

Screws ⑦:
40 ft-lbs (54 N·m)



BUMPER REMOVAL

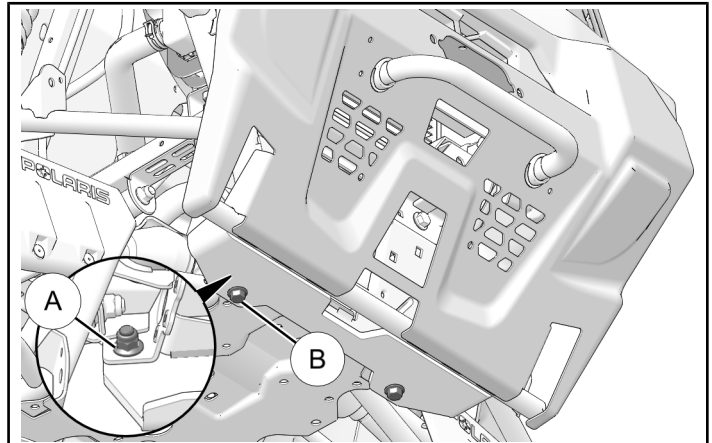
CAUTION

Bumper weighs approximately 31 lbs (14 kg). Failure to adequately support bumper during removal may result in personal injury or damage to equipment.

1. Remove and keep nut ① and bolt ②. Repeat for opposite side.

NOTICE

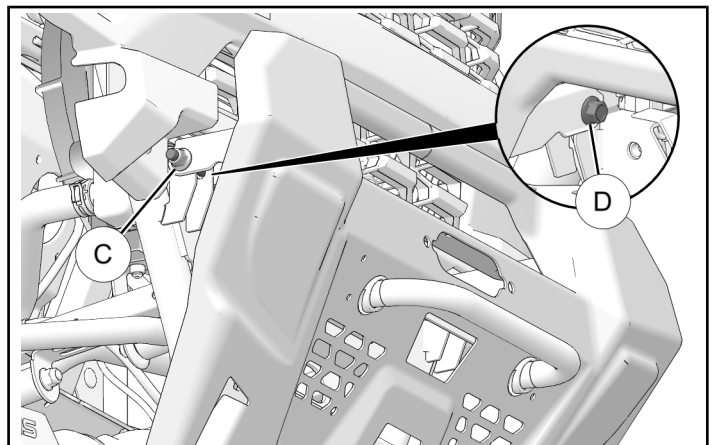
Right side detail shown; Left side similar.



2. Support bumper, remove and keep nut ③ and bolt ④. Repeat for opposite side.

NOTICE

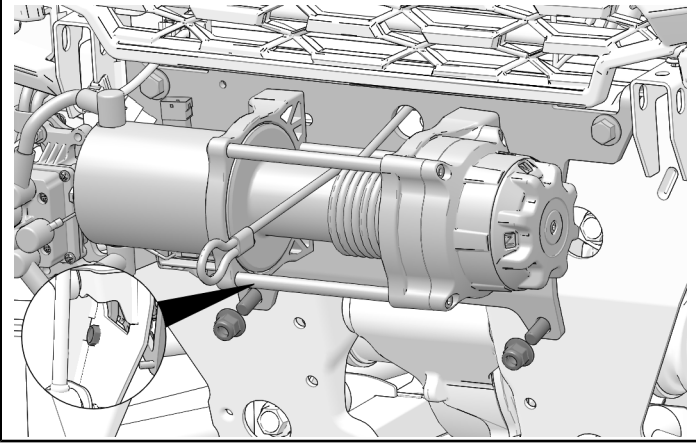
Right side detail shown; Left side similar.



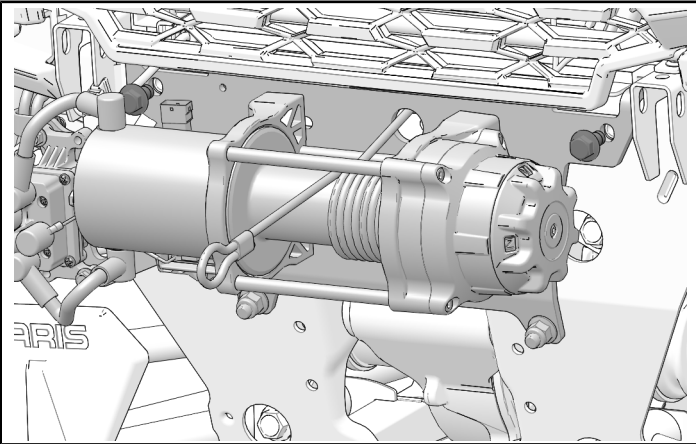
3. Set aside bumper on a sturdy surface.

AUTOSTOP CONTROLLER ① INSTALLATION

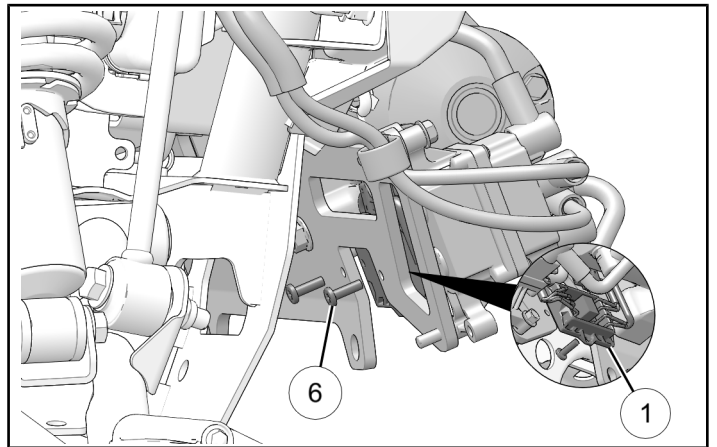
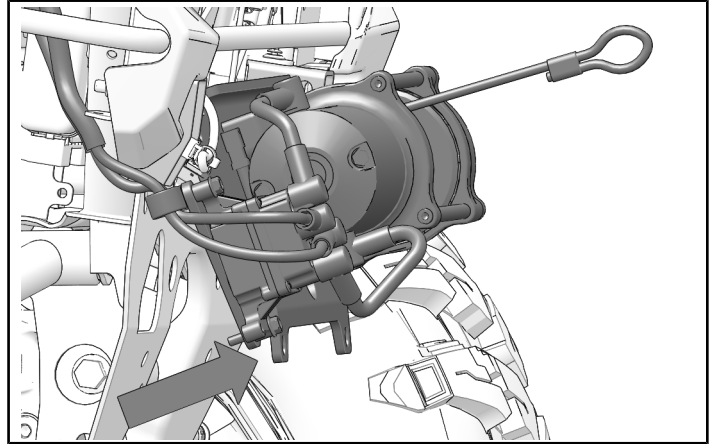
1. Remove and keep two lower screws and nuts.



2. Remove and keep two upper screws.



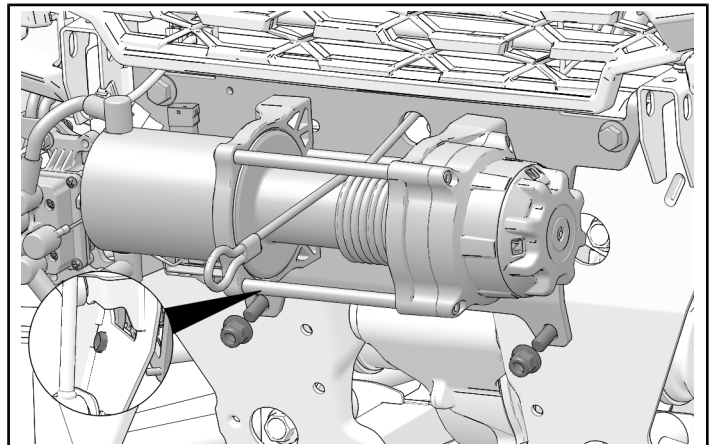
3. Tilt up winch frame from the bottom. While tilted, install autostop controller ① with two screws ⑥. Torque until full seated.



4. Reinstall two retained lower screws and nuts. Torque to specification.

TORQUE

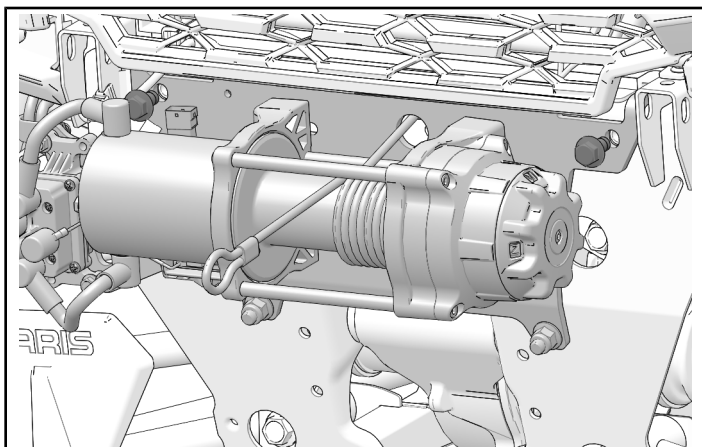
Nuts:
40 ft-lbs (54 N·m)



- Reinstall two retained upper screws. Torque to specification.

TORQUE

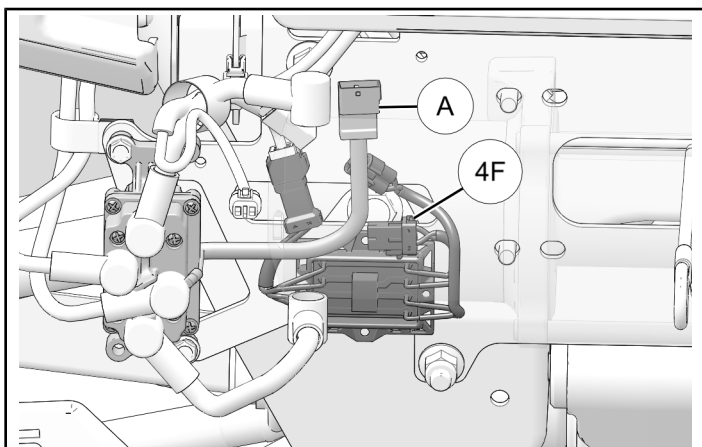
Screws:
40 ft-lbs (54 N·m)



- Disconnect contactor **A** from the main wire harness. Connect **4F** contactor connector to contactor **A**.

NOTICE

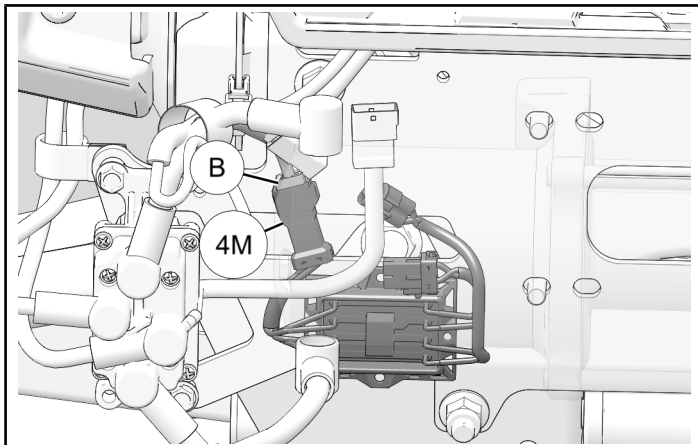
Winch part hidden for visibility



- Connect **4M** harness connector to vehicle harness **B**.

NOTICE

Winch part hidden for visibility



- If rope is in need of replacement, install Synthetic Winch Rope Kit, PN 2879187 (sold separately).

BUMPER INSTALLATION AND FAIRLEAD CONNECTION

CAUTION

Bumper weighs approximately 31 lbs (14 kg). Failure to adequately support bumper during installation may result in personal injury or damage to equipment.

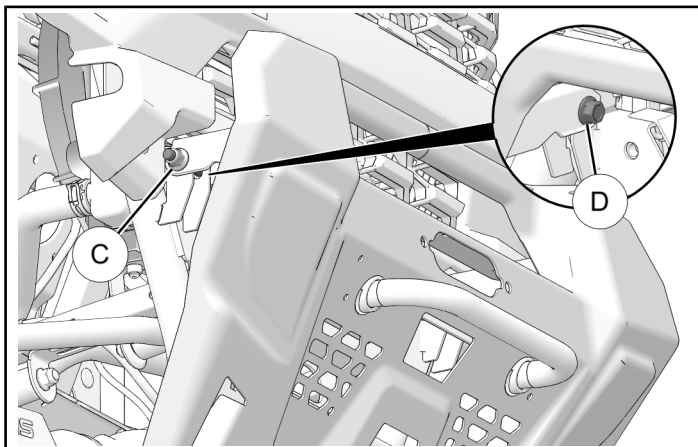
- Support bumper, install nut **C** and bolt **D**. Torque to specification. Repeat for opposite side.

NOTICE

Right side shown; Left side similar.

TORQUE

Nut **C**:
36 ft-lbs (50 N·m)



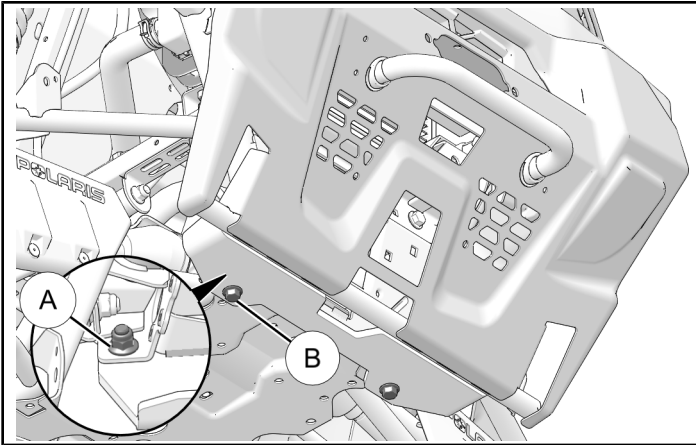
2. Install nut (A) and bolt (B). Torque to specification. Repeat for opposite side.

NOTICE

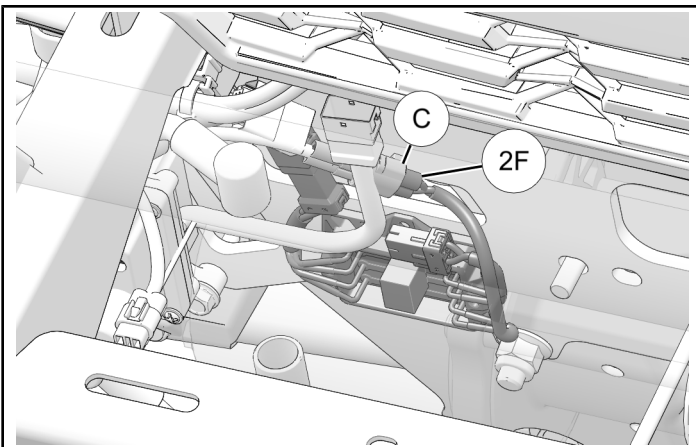
Right side shown; Left side similar.

TORQUE

Nut (A):
36 ft-lbs (50 N·m)



3. Connect 2F fairlead connector to fairlead wire C.

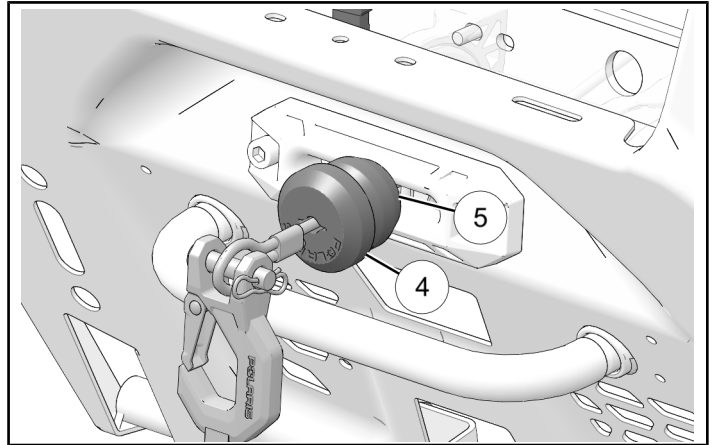


INSTALL BUMPER JOUNCE AND HOOK.

1. Thread loop through the fairlead, bumper jounce (5) and stop magnet (4). Reinstall retained hook, cotter and clevis pin at end of loop.

IMPORTANT

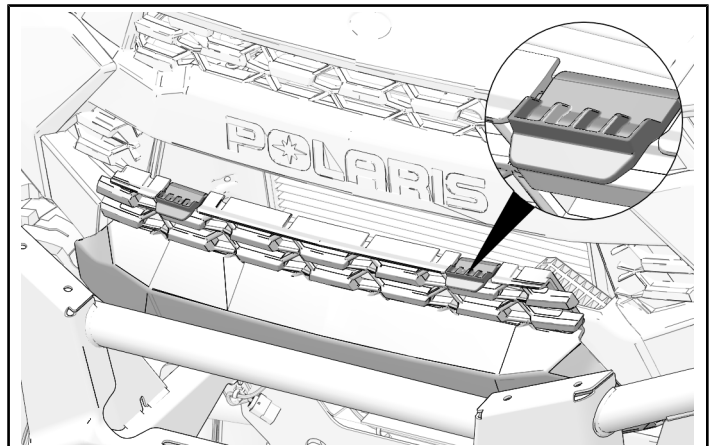
Make sure that the rope is straight from the winch spool to the fairlead without touching the winch tie bars.



VEHICLE REASSEMBLY

GRILLE INSTALLATION

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



BATTERY CONNECTION

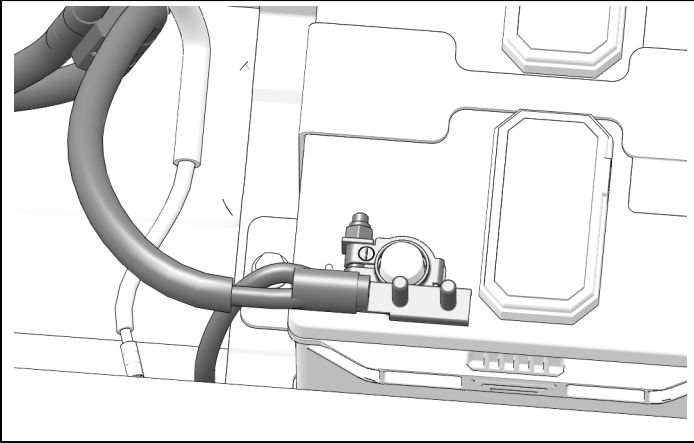
NOTICE

CREW VEHICLES: connect battery under right rear passenger seat bottom

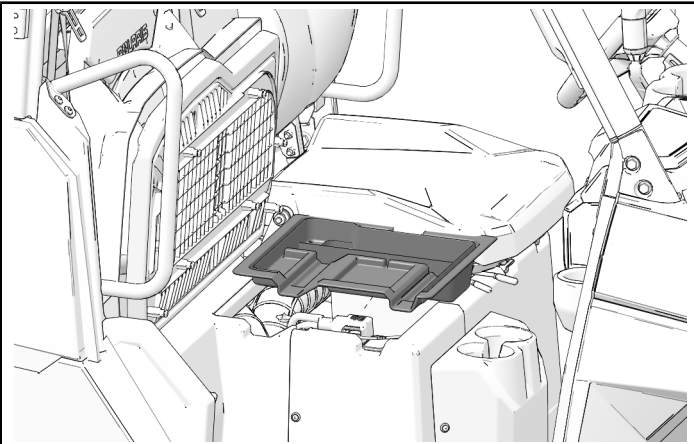
⚠ WARNING

Ensure red positive (+) battery terminal is **COMPLETELY COVERED** by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious personal injury may occur.

1. Connect wire to battery and tighten nut.



2. Install retained bin seat.



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.



3. Close seat.

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 ④ comes close to or contacts the autostop fairlead ③ (within approximately 1 inch (25 mm)). Magnets in the stop trigger sensors in the fairlead, stopping the winch.