

WINCH KIT



P/N 2882714, 2882715, 2882716

APPLICATION

Verify accessory fitment at Polaris.com.

BEFORE YOU BEGIN

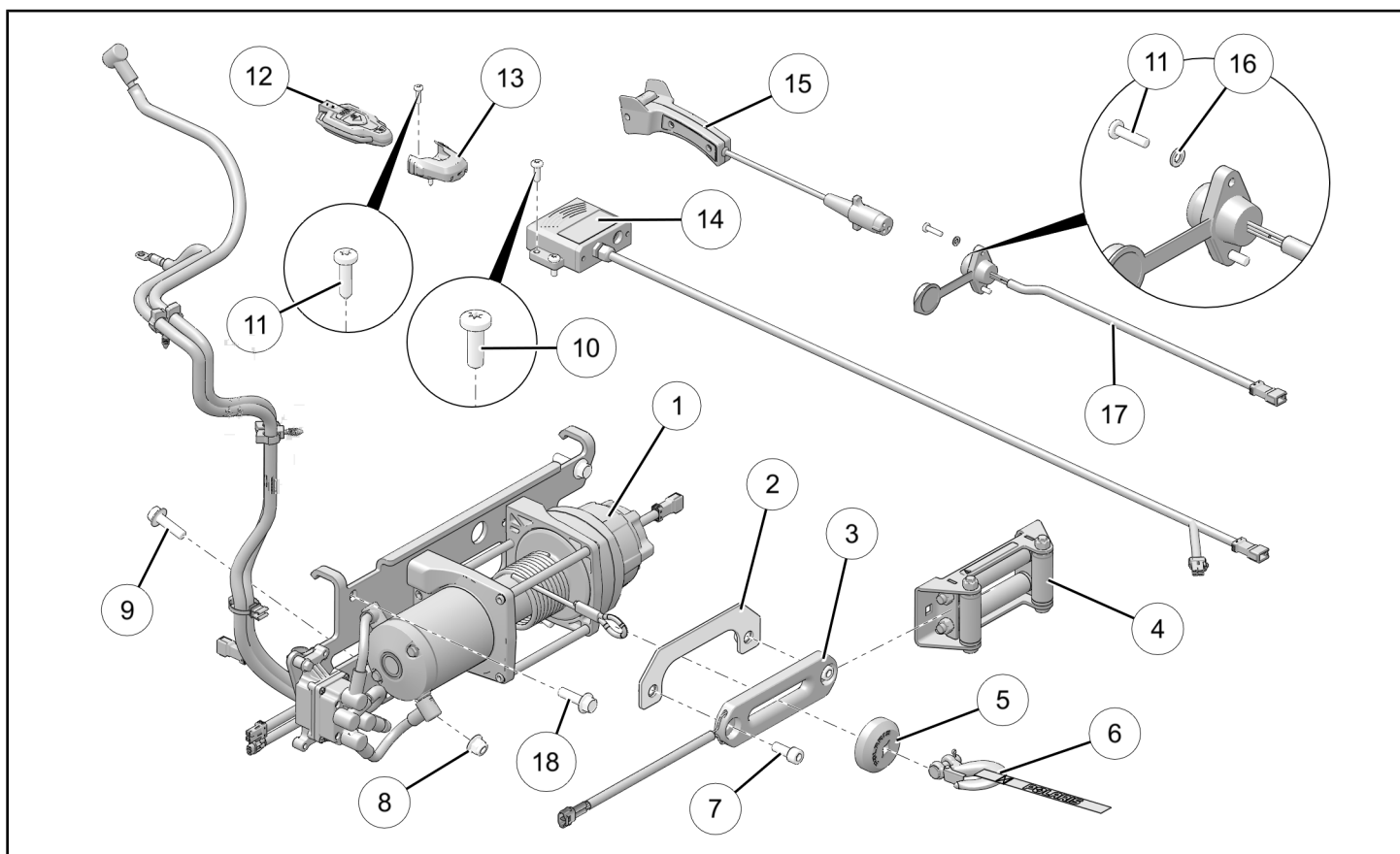
Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This Kit includes:

NOTE

Not all kits contain all parts shown below; see table for detail.



REF	QTY	PART DESCRIPTION	PART NUMBER
1	-	Winch (includes items 1.1 through 1.6, unless otherwise noted)	-
1.1	1 1	. Winch, Motor Assembly, 6000 lb (Kit 2882716 only)* . Winch, Motor Assembly, 4500 lb (Kits 2882715 and 2882714 only)*	2204856 2207537
1.2	1	. Contactor	4015600
1.3	1	. Cables, Contactor to Terminal Block	4017112
1.4	1	. Rope (Kits 2882716 only)	2879188

REF	QTY	PART DESCRIPTION	PART NUMBER
1.5	1	. Rope (Kits 2882715 only)	2879187
1.6	1	. Cable, Steel, 7/32 inch (Kit 2882714 only)	2878899
1.7	1	. Controller, Autostop (Kits 2882716 and 2882715 only)	2883454
2	1	Plate, Fairlead Backer	1023559
3	1	Fairlead, Autostop (Kits 2882716 and 2882715 only)	2883454
4	1	Fairlead (Kit 2882714 only)	2411847
5	1	Stop, Magnetic (Kits 2882716 and 2882715 only)	2883454
6	1 1	Hook (Kit 2882716 only) Hook (Kits 2882715 and 2882714 only)	2412964 2411836
7**	2	Screw, Socket Cap - M10 X 1.5 X 25	7517358
8**	2	Nut, Hex Flange, Locking - M10 X 1.5	7547423
9**	2	Screw, Hex Flange - M10 X 1.5 X 25	7519071
10**	4	Screw, Torx® Pan Head, High/Low - #14 X 0.75 (Kits 2882716 and 2882715 only)	7519731 / 2883455
11**	2	Screw, Torx® Pan Head, High/Low - #10 X 0.75	7512026 / 2883455
12	1	Remote, Wireless (Kits 2882716 and 2882715 only)	2883455
13	1	Holder, Wireless Remote (Kits 2882716 and 2882715 only)	2883455
14	1	Receiver, Wireless (Kits 2882716 and 2882715 only)	2883455
15	1	Remote, Wired (Kit 2882714 only)	4013466
16**	2	Washer, Flat - M5 (Kit 2882714 only)	7556724
17	1	Socket, Wired Remote (Kit 2882714 only)	4017102
18**	2	Screw, Hex Flange - M10 X 1.5 X 20	7519905
19**	10	Cable Tie, 11 inch (not shown)	7080492
	1	Winch User Guide	9923644
	1	Instructions	9928649

Item marked (*): Replacement Gear Selector Knob PN 2205265.

Items marked (**): Included in Hardware Kit PN 2207258.

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit: 1/8th inch (3 mm)
- Hole Saw: 1 inch (25 mm)
- Pliers, Push Pin Rivet
- Screwdriver Set, Torx®
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- 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.

ASSEMBLY TIME

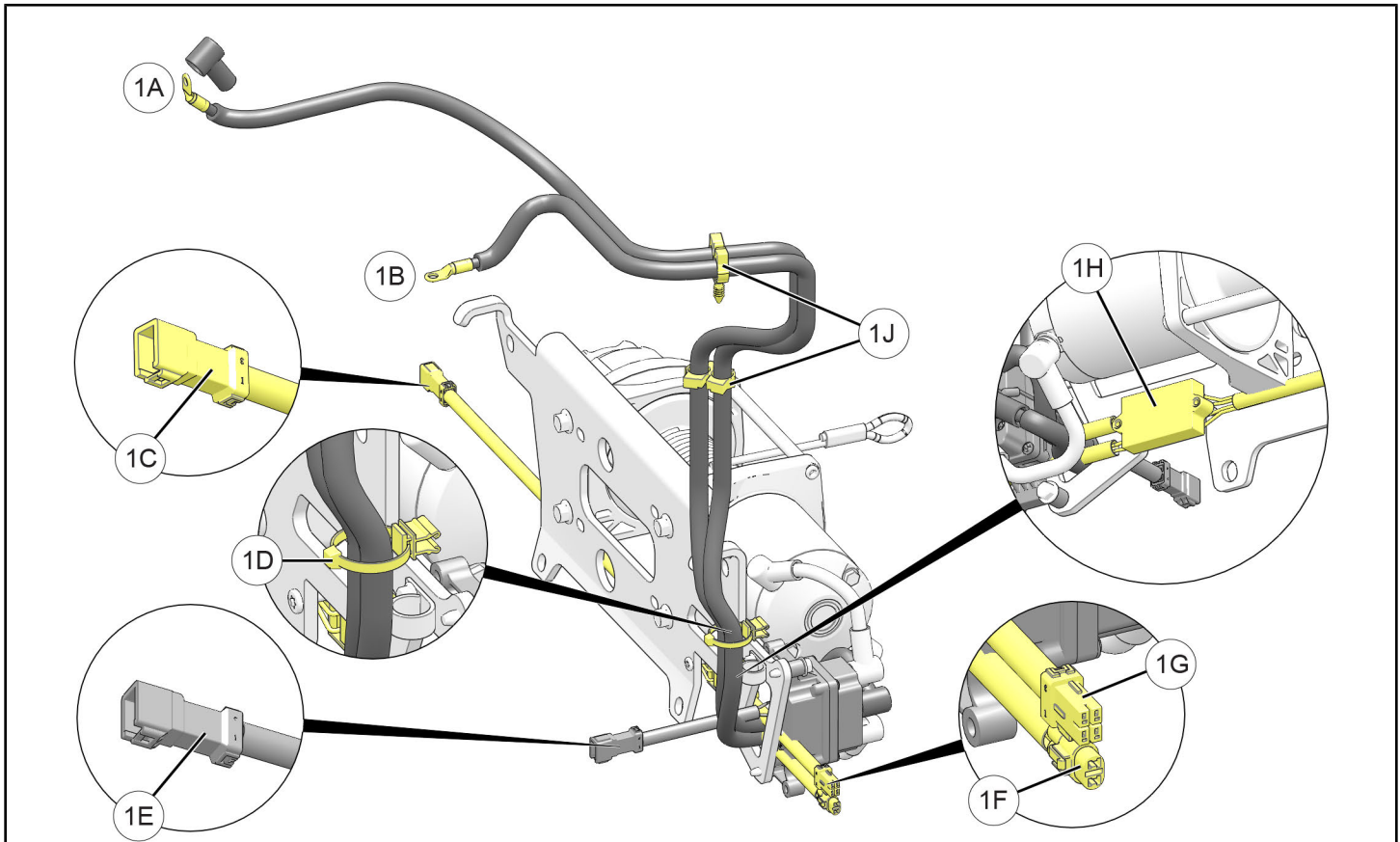
Approximately 60 minutes

NOTE

Additional time may be required to accommodate other installed accessories.

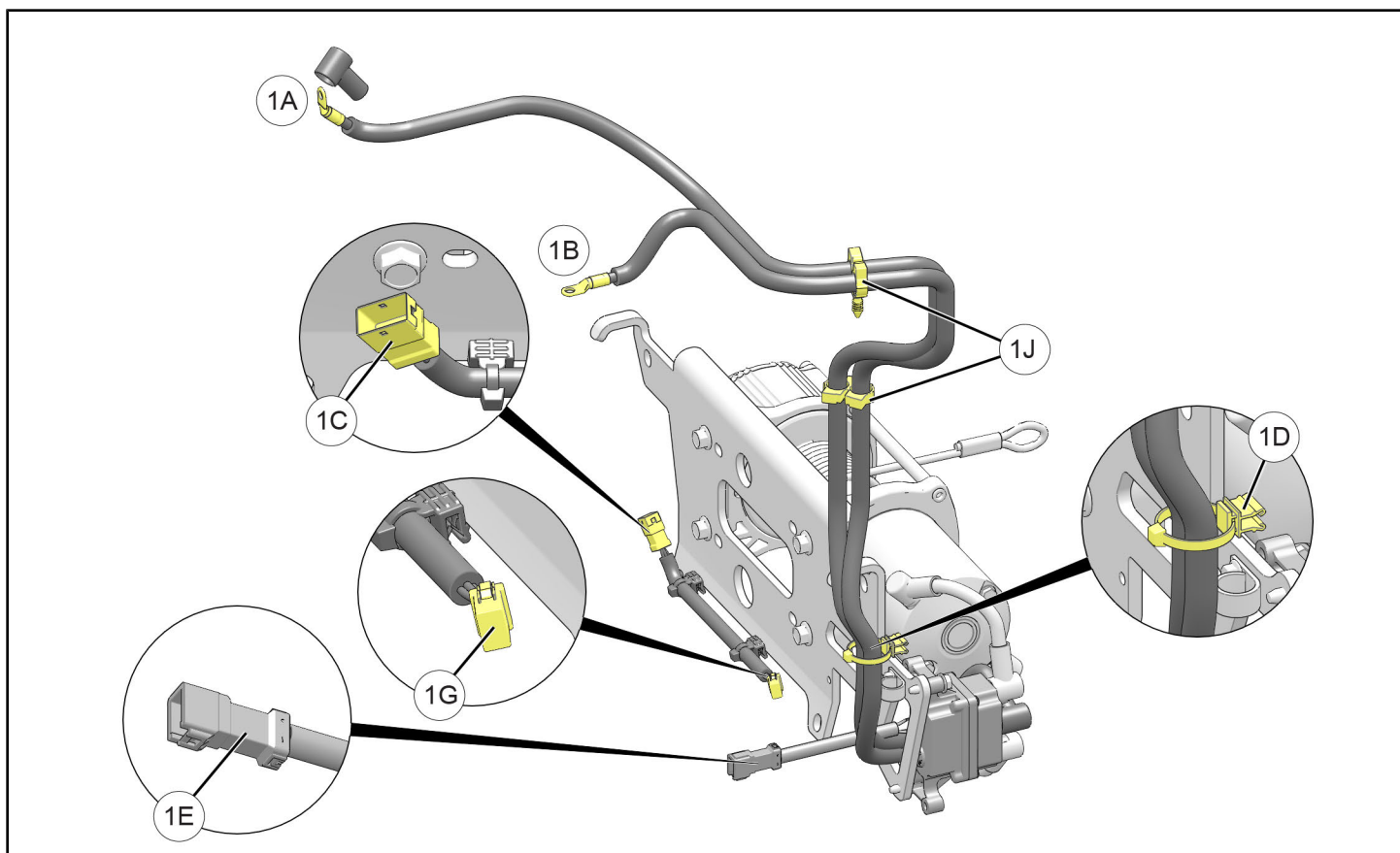
HARNESS DETAIL

WINCH HARNESS ① (Kits 2882716 and 2882715 only):



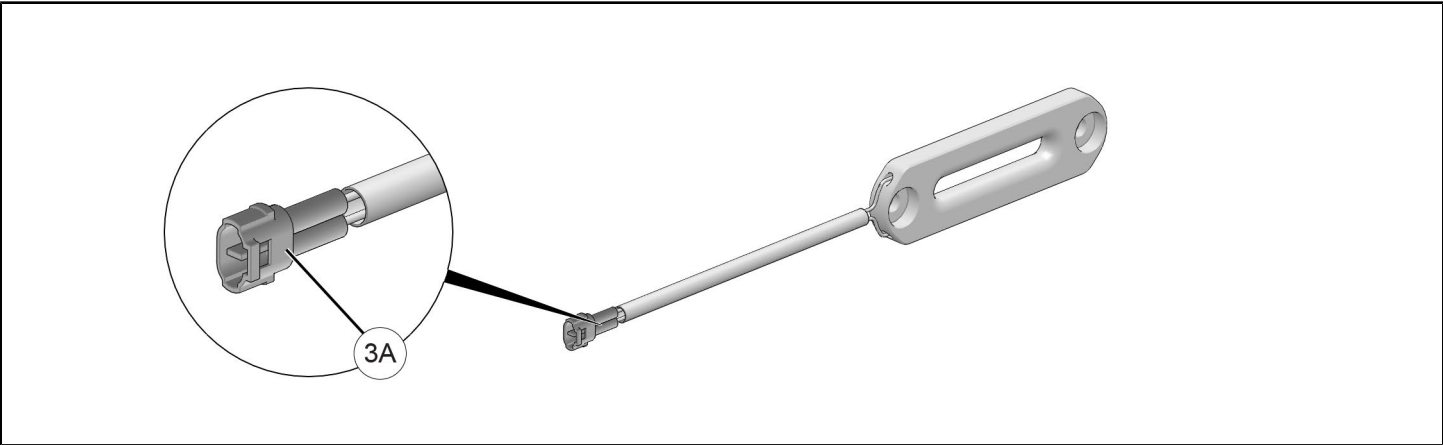
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
1A	Ring Terminal, 45 degree (with cap) - 1/4 inch (6 mm)	Red	-	Terminal block, battery positive (+)
1B	Ring Terminal - 1/4 inch (6 mm)	Black	-	Chassis ground / battery negative (-)
1C	Connector, Winch Controller/Contactor	-	4 male	Main vehicle harness breakout; see instructions for detail
1D	Clip, Edge	-	-	Vehicle structure
1E	Connector, Winch Controller/Contactor	-	4 male	PRE-CONNECTED to 1G
1F	Connector, Autostop Fairlead	-	2 female	Autostop fairlead ③, connector 3A
1G	Connector, Winch Controller/Contactor	-	4 female	PRE-CONNECTED to 1E
1H	Autostop Controller; shown for reference only	-	-	-
1J	Clip, Routing	-	-	Vehicle structure

WINCH HARNESS ① (Kit 2882714 only):



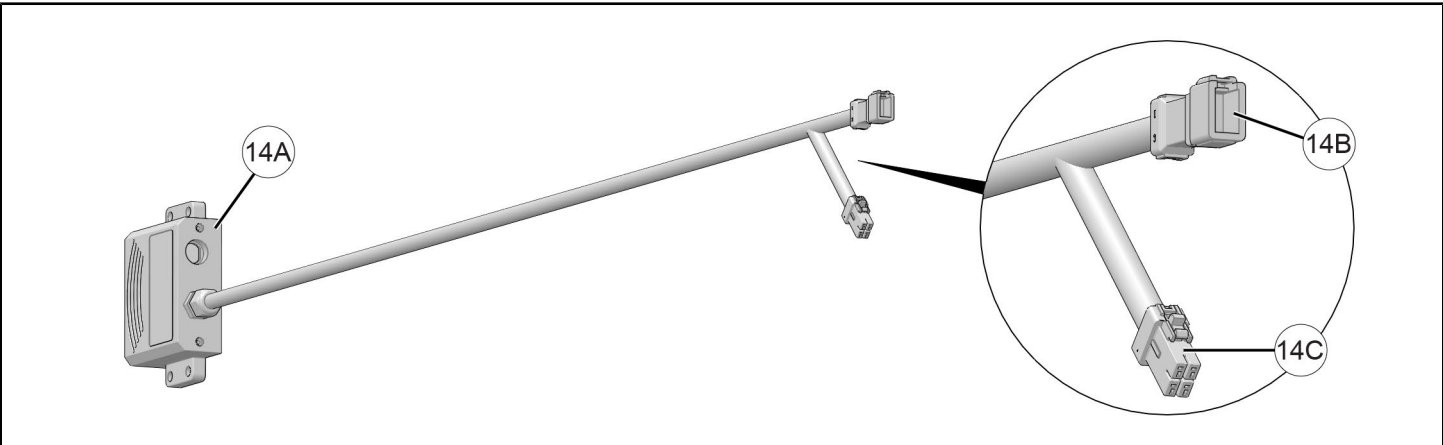
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
1A	Ring Terminal, 45 degree (with cap) - 1/4 inch (6 mm)	Red	-	Terminal block, battery positive (+)
1B	Ring Terminal - 1/4 inch (6 mm)	Black	-	Chassis ground / battery negative (-)
1C	Connector, Winch Controller/Contactor	-	4 male	Main vehicle harness breakout; see instructions for detail
1D	Clip, Edge	-	-	Vehicle structure
1E	Connector, Winch Controller/Contactor	-	4 male	PRE-CONNECTED to 1G
1F	(unused)	-	-	-
1G	Connector, Winch Controller/Contactor	-	4 female	PRE-CONNECTED to 1E
1H	(unused)	-	-	-
1J	Clip, Routing	-	-	Vehicle structure

AUTOSTOP FAIRLEAD HARNESS ③ (Kits 2882716 and 2882715 only):



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
3A	Connector, Autostop Fairlead	-	2 male	Winch harness ①, connector 1F

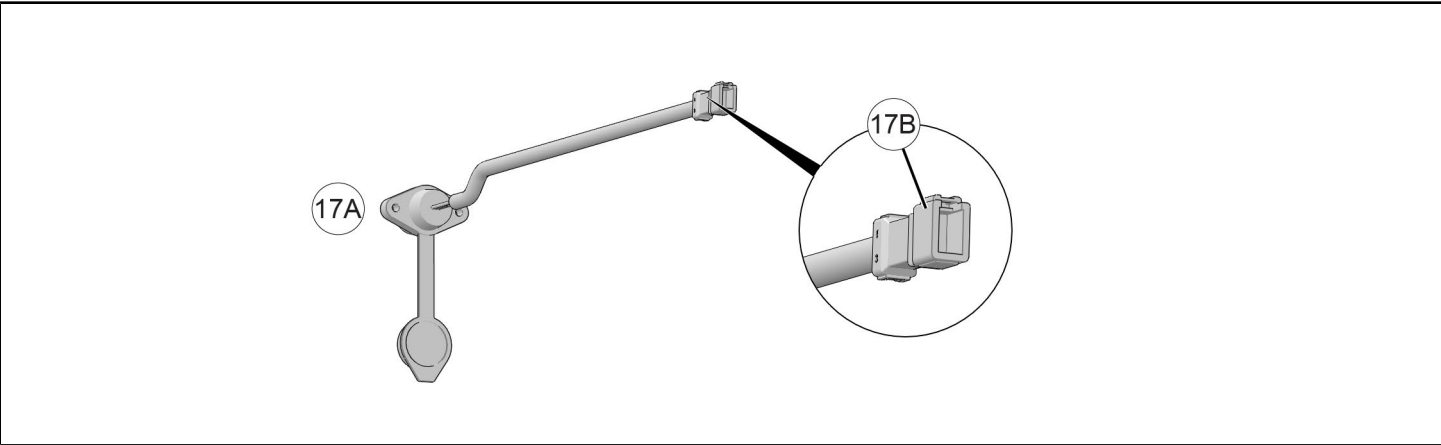
WIRELESS RECEIVER HARNESS ⑭ (Kits 2882716 and 2882715 only):



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
14A	Wireless Receiver	-	-	Vehicle structure
14B	Connector, Winch Controller/Contactor	-	4 male	Main vehicle harness breakout; see instructions for detail
14C	Connector, Wired Remote	-	4 female	OPTIONAL: Wired remote socket, connector 17B*

* Or compatible kit.

WIRED REMOTE SOCKET ⑰ (Kit 2882714 only):

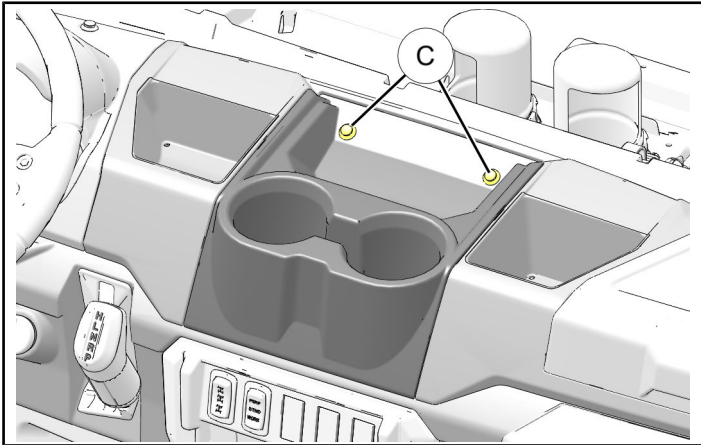


REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
17A	Connector, Wired Remote	-	-	Wired remote ⑰
17B	Connector, Winch Controller/Contactor	-	4 male	Main vehicle harness breakout; see instructions for detail

INSTALLATION INSTRUCTIONS

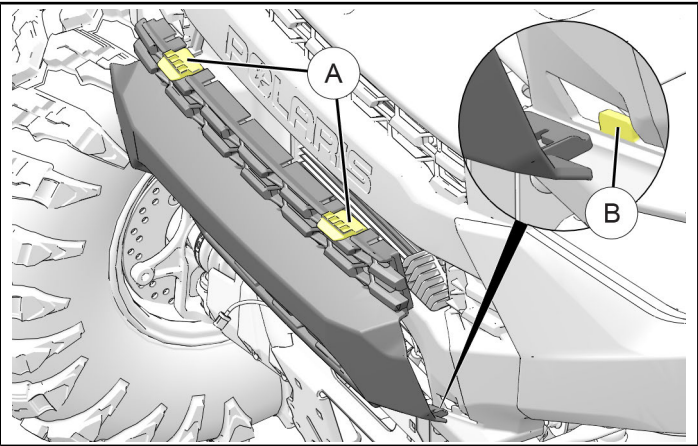
- 1. Shift vehicle transmission into “PARK”. Turn ignition key to “OFF” position and remove from ignition switch.
- 2. Flip up passenger seat bottom, remove driver’s seat and underseat storage compartment, then disconnect black negative (-) cable from battery.
- 3. Gain access.
 - a. Remove hood.
 - b. Remove lower grille by carefully depressing two tabs ① at top of grille, tip grille outward, then lift grille out of two lower side tabs ② in upper fascia.

- c. Remove upper dash cupholder by removing two push pin rivets ③, then sliding cupholder rearward. Retain rivets.



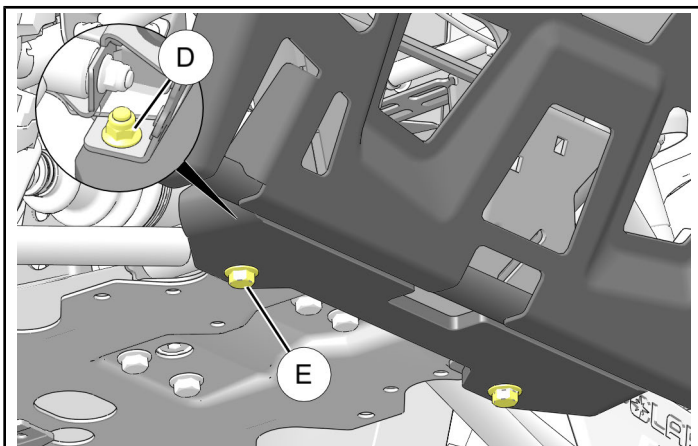
NOTE

Bumper hidden for clarity.



4. Remove and prepare front bumper.

- a. Remove nut ① and screw ② from bottom of bumper. Repeat for opposite side. Retain hardware.



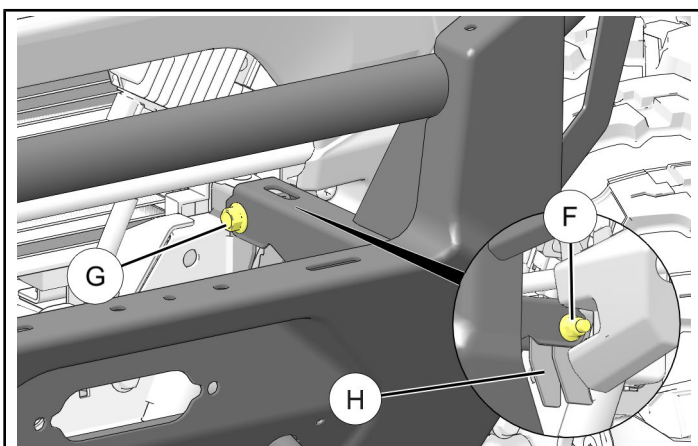
CAUTION

Bumper weighs approximately 38 lbs. (17 kg). Provide adequate support for bumper before removing final screws. Failure to comply may result in personal injury or damage to bumper.

- b. While supporting bumper, remove nut ③ and screw ④. Repeat for opposite side, then remove bumper and set aside. Retain hardware.

NOTE

Screws ④ pass through bumper support brackets ⑤. These brackets will be referenced in Step 5a.



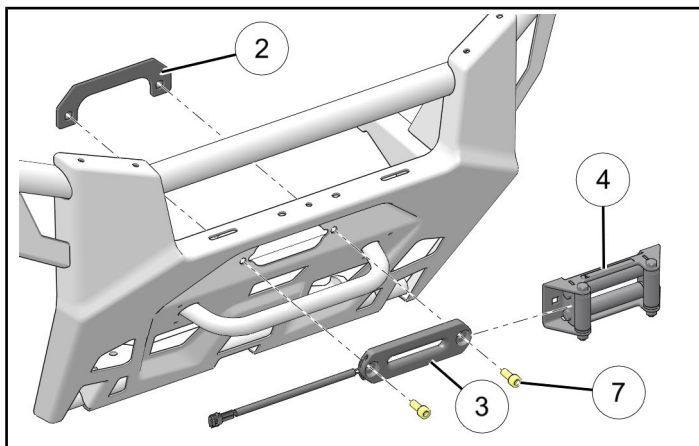
- c. Install autostop fairlead ③ (Kits 2882716 and 2882715) or standard fairlead ④ (Kit 2882714), and fairlead backer plate ②, to bumper using two screws ⑦. Tighten screws. Set bumper aside.

IMPORTANT

If installing autostop fairlead ③, then ensure fairlead is oriented so electrical harness exits on RH side of bumper as shown.

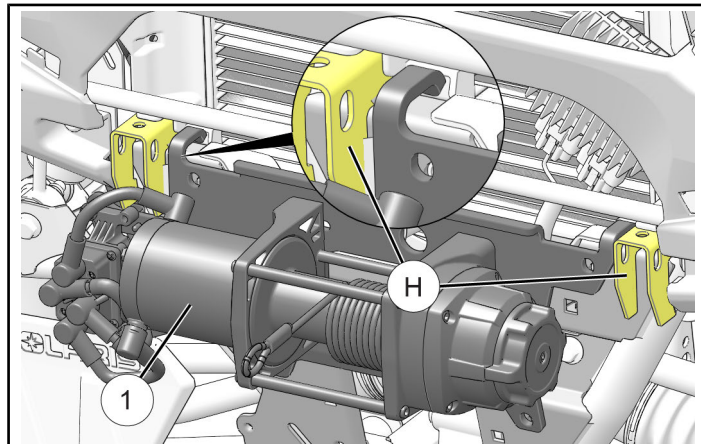
TORQUE

40 ft. lbs. (54 Nm) \pm 10%

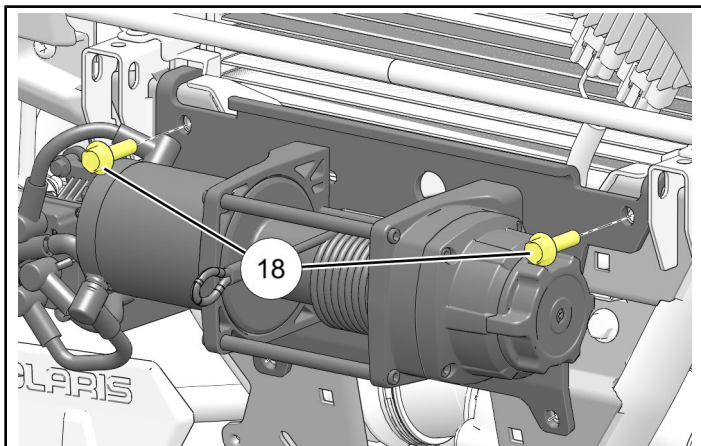


5. Install winch assembly.

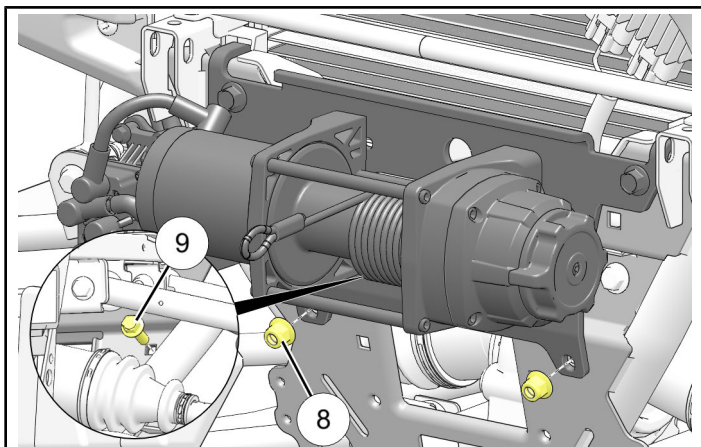
- a. Hang rear hooks of winch assembly ① on vehicle front support structure, centered between two bumper support brackets ⑤ as noted in previous Step 4b.



- b. At UPPER fastener holes loosely install two screws ⑮ REARWARD through winch into vehicle front support structure.



- c. At LOWER fastener holes install two screws ⑨ FORWARD through vehicle front support structure and winch, then secure each screw with nut ⑧.



- d. Torque screws ⑮ and nuts ⑧ to specification.

TORQUE

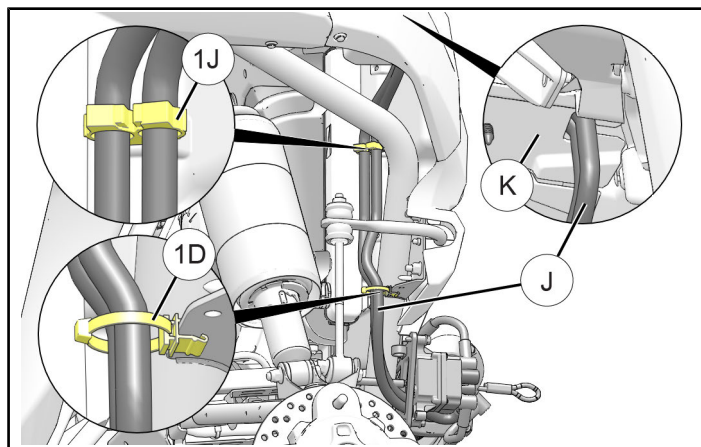
40 ft. lbs. (54 Nm) \pm 10%

6. Route cables and make connections at terminal block.

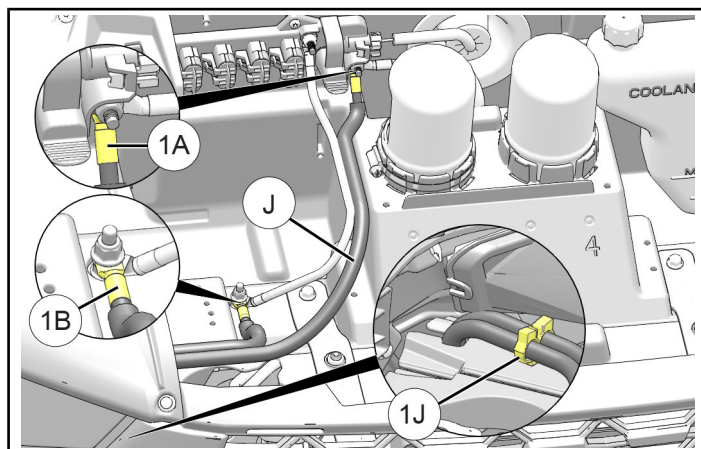
- a. Route terminal block cables ① upward from winch ①, then through cut-out in under-hood liner ⑫. Secure cables to vehicle using edge clip 1D and lower routing clip 1J.

NOTE

See previous section, **HARNESS DETAIL**, for connector identification.
View looking inboard from right front wheel well. Wheel hidden for clarity.



- b. Secure terminal block cables ① to under-hood liner using upper routing clip 1J.



- c. Join **RED** 45 degree ring terminal 1A to terminal block battery positive (+). Torque nut to specification, then install boot.

TORQUE

30 in. lbs. (3.4 Nm) \pm 10%

NOTE

If two cable boots exist for same terminal, then slide inner boot (closest to terminal block) down cable.
Unused boot can remain on cable.
Red boot not shown for clarity.

- d. Join **BLACK** straight ring terminal 1B to chassis ground / battery negative (-). Torque nut to specification.

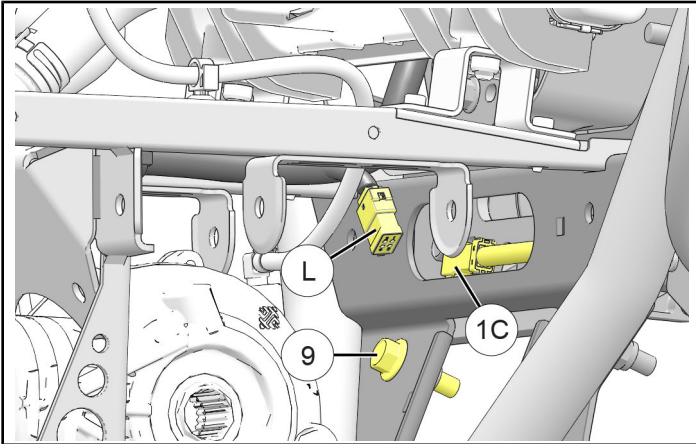
TORQUE

8 ft. lbs. (11 Nm) \pm 10%

7. Locate UNUSED 4-pin main vehicle harness breakout connector ① (near head of lower left winch attach screw ⑨). Remove cap from connector, then join to mating winch connector 1C.

NOTE

View looking inboard from right front wheel well.
Some vehicle components hidden for clarity.

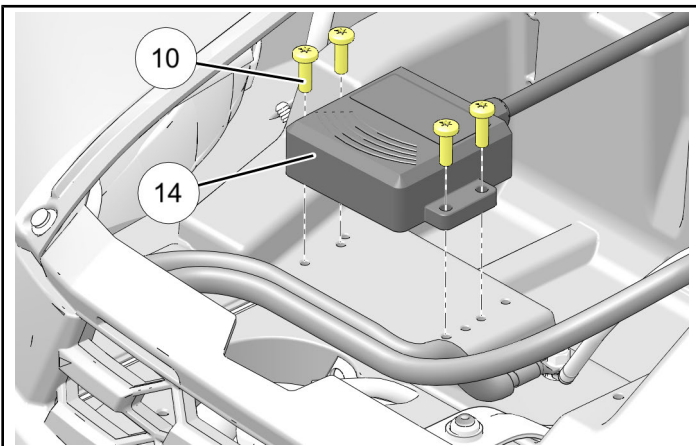


8. Install remote and associated components.

Kits 2882716 and 2882715

a. Install wireless receiver.

- i. Install wireless receiver ⑭ to RH side of under-hood liner using four screws ⑩. Do not over-tighten screws.

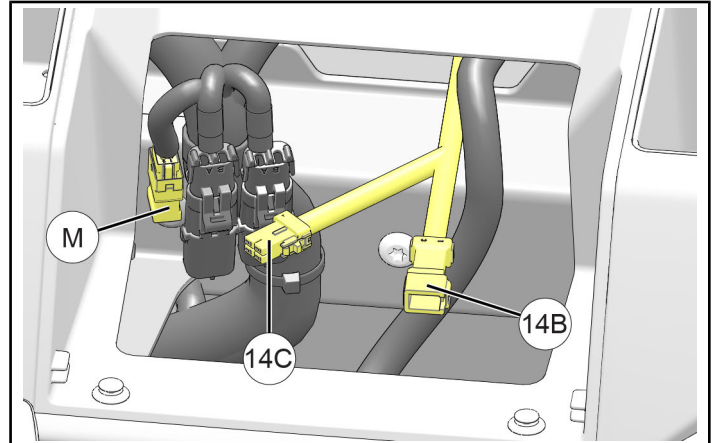


- ii. Route wireless receiver connectors 14B and 14C rearward through firewall grommet into upper dash compartment.

- iii. Locate UNUSED 4-pin main vehicle harness breakout connector ① in cavity where cupholder was removed in Step 3c. Remove cap from connector, then join to mating wireless receiver connector 14B.

NOTE

Wireless receiver connector 14C provided for optional WIRED remote connection. See previous section, **HARNESS DETAIL**, for more information.



- b. OPTIONAL: Install wireless remote.

NOTE

Wireless remote can be stowed in any suitable location. Holder ⑬ is not required.

- i. Remove wireless remote ⑫ from holder ⑬. Determine suitable mounting location for holder with special attention to the following:
- Driver operation of vehicle (including travel of controls, such as shift lever)
 - Driver visibility
 - Adequate clearance between holder mounting fasteners and other vehicle components on underside of mounting surface
- ii. Using holder ⑬ as template, mark and drill two 1/8 inch (3 mm) holes into mounting surface.

IMPORTANT

Control drill depth to prevent damage to underlying structure or components.

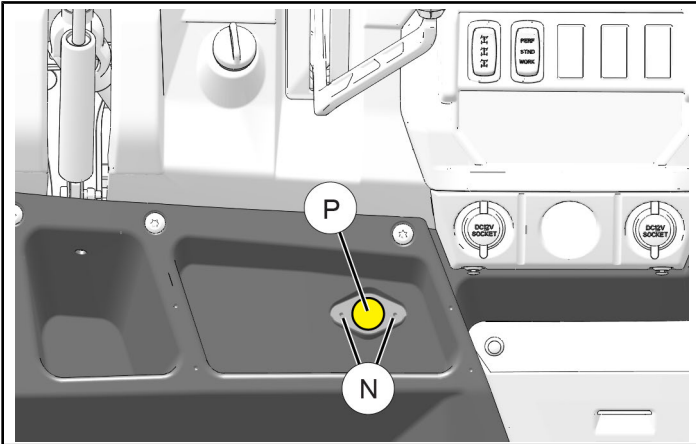
- iii. Install holder ⑬ using two screws ⑪. Do not over-tighten screws.
- iv. Reinstall wireless remote into holder.

Kit 2882714

- a. On lower dash panel, locate and mark centerpoint between two fastener dimples **(N)**. Cut hole **(P)** through panel at marked location using 1 inch (25 mm) hole saw.

IMPORTANT

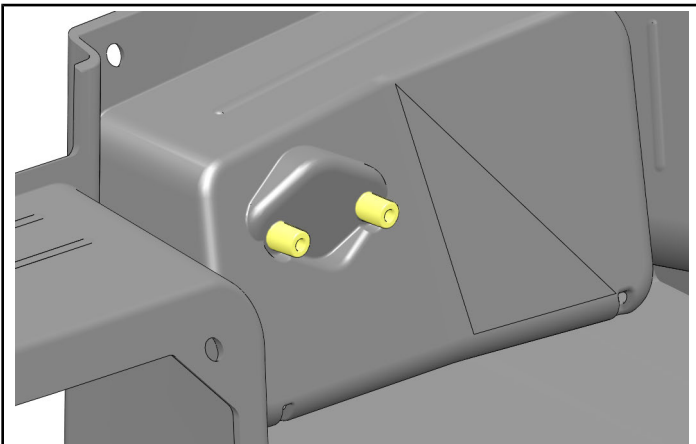
Control drill depth to prevent damage to underlying structure or components.



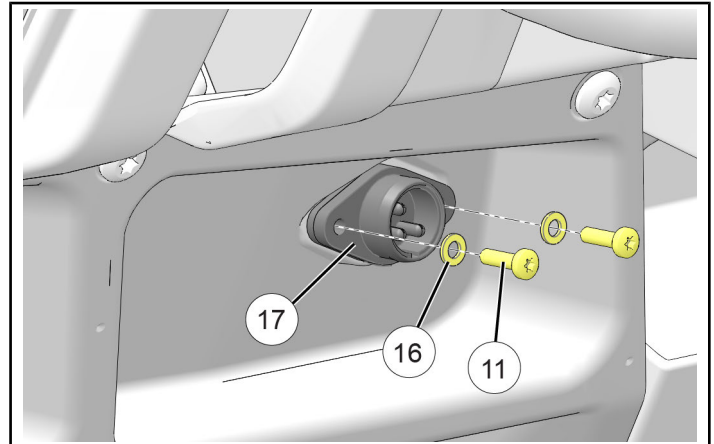
- b. Using 1/8th inch (3 mm) drill bit, drill out two fastener dimples **(N)**. Only drill deep enough to penetrate panel surface and enter pre-drilled bosses on opposite side of panel.

NOTE

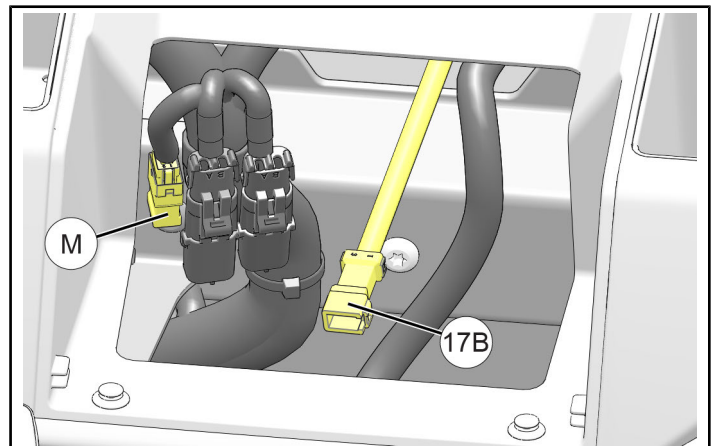
It is not necessary to remove lower dash panel. All holes are drilled from rear (passenger) side of panel. Forward side of panel shown below for reference only.



- c. Insert connector 17B on wired remote socket **(17)** through hole **(P)**, then feed harness through hole until socket contacts lower dash panel.



- d. Install socket to dash panel using two each screws **(11)** and washers **(16)**. Do not over-tighten screws.
- e. Route connector 17B upward through dash towards upper dash cupholder. Ensure routing prevents harness contact with hot components, sharp edges, or moving parts.
- f. Locate UNUSED 4-pin main vehicle harness breakout connector **(M)** in cavity where cupholder was removed in Step 3c. Remove cap from connector, then join to mating wired remote connector 17B.



- g. Plug wired remote **(15)** into wired remote socket **(17)**.

9. Reinstall bumper.

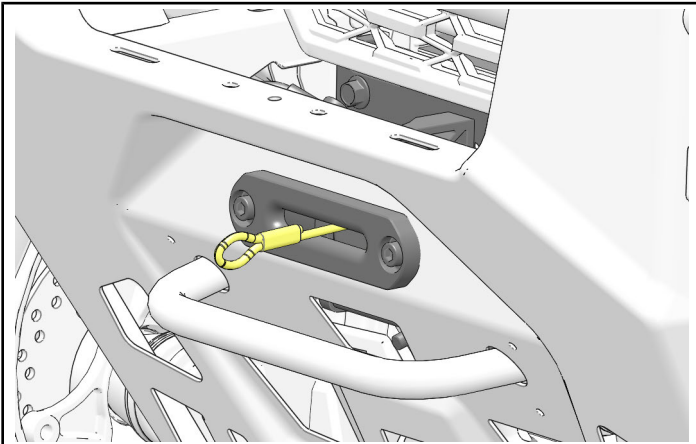
- a. Unwind BY HAND several turns of rope/cable from winch spool. While lifting bumper into position thread loop at end of rope/cable through bumper and fairlead ③ or ④ (as applicable).

IMPORTANT

Do NOT electrically operate winch at this time.

NOTE

Autostop fairlead ③ shown; standard fairlead ④ similar.



- b. Loosely install middle of bumper to vehicle frame using two each retained screws ⑥ and nuts ①. See Step 4b.
- c. Install bottom of bumper to vehicle frame using two each retained screws ⑤ and nuts ⑩. See Step 4a.
- d. Torque fasteners to specification.

TORQUE

40 ft. lbs. (54 Nm) \pm 10%

10. Reinstall lower grille. See Step 3b.

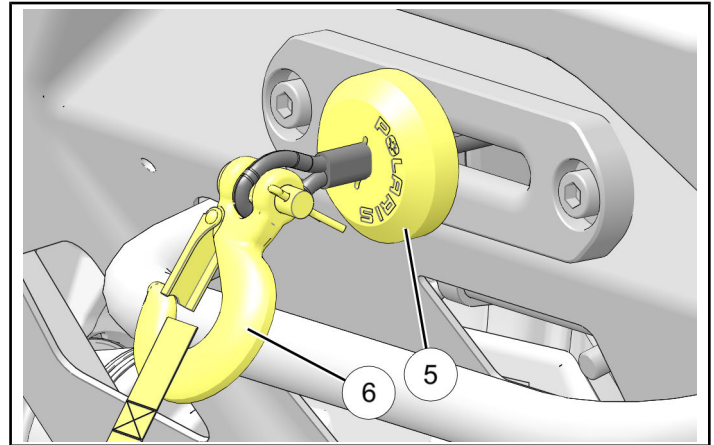
11. Install remaining winch components.

Kits 2882716 and 2882715

- a. Join connector 1F on winch ① to connector 3A on autostop fairlead ③. Ensure routing prevents harness contact with hot components, sharp edges, or moving parts.
- b. Thread loop at end of rope through magnetic stop ⑤. Ensure stop is oriented with WIDE end (with magnet) towards winch, and BEVELED end (with "POLARIS") towards hook.

TIP

Loop a cable tie to end of rope, but do not tighten. Thread looped cable tie through magnetic stop, then pull cable tie and rope through magnetic stop.



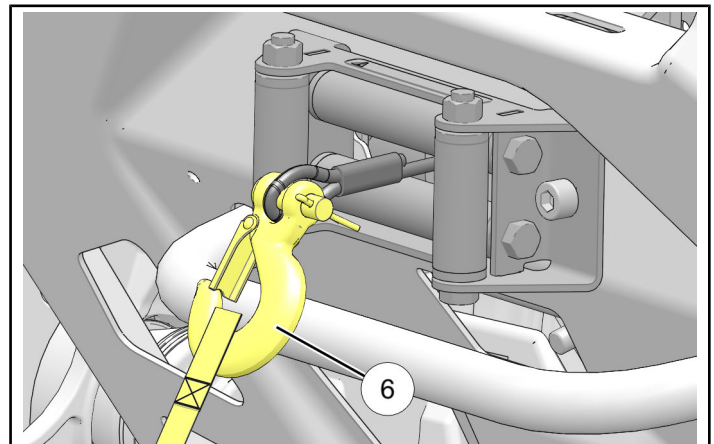
- c. Install hook ⑥ to loop at end of rope. Ensure cotter pin is secured.

Kit 2882714

Install hook ⑥ to loop at end of cable. Ensure cotter pin is secured.

CAUTION

Use caution when operating 4500 lb Winch Kit 2882714. Winch does NOT have autostop mechanism to prevent hook from retracting through fairlead. Hook must be manually stopped PRIOR to contact with fairlead. Failure to stop hook from contacting fairlead may result in damage to fairlead, bumper, or other components.



12. Secure all harnesses using cable ties ①⑨ as required to prevent contact with hot components, sharp edges, or moving parts.
13. Reconnect black negative (-) cable to battery, then reinstall under-seat storage compartment and driver's seat.
14. Restore access. See Step 3.

OPERATION

OPERATIONAL CHECK

Kits 2882716 and 2882715 only

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

IMPORTANT

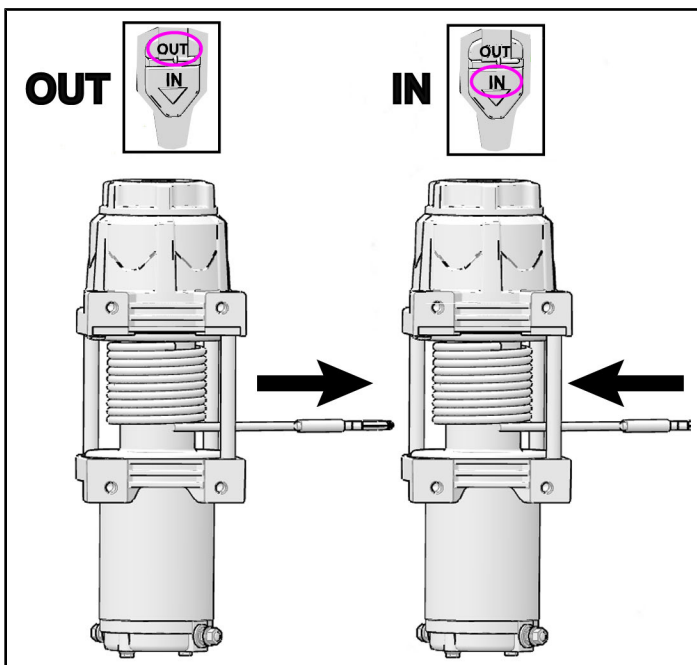
The Autostop system is intended to prevent winch damage caused by over-tightening the rope, but cannot prevent all possible winch damage. The winch system is very powerful and care should be exercised whenever it is in operation.

The winch operator is always responsible for using the winch properly, as described in the accompanying "Winch User Guide". The Autostop system should only be used as a secondary preventive measure to help prevent damage to the winch from over-tightening the rope.

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 retraction the winch should automatically stop when the magnetic stop ⑤ 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.

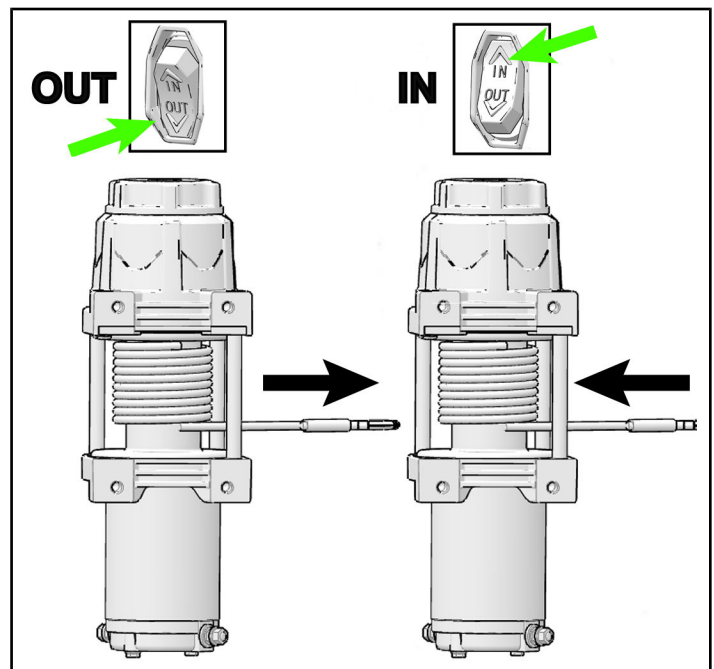


3. The wireless remote will automatically turn "OFF" after 30 seconds of inactivity. To manually turn off, depress and hold power button for three seconds or until LED light extinguishes.

Kit 2882714 only

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

To extend cable, depress and hold the "OUT" button. To recover cable, depress and hold the "IN" button.



GEAR SELECTION

⚠ WARNING

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

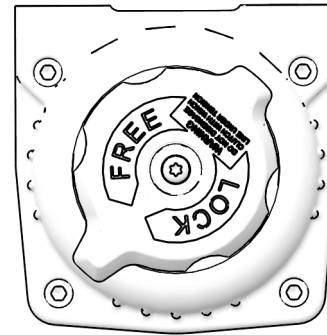
NOTE

See Kit Contents for replacement knob PN.

Your winch is equipped with two different gear settings: "FREE" and "LOCK".

1. FREE: Used to rapidly extend the rope/cable (faster than when in the "LOCK" position).
2. LOCK: Used to recover the rope/cable.

To shift between FREE and LOCK relieve all tension from the rope/cable, then rotate gear selector knob (located on end of winch) clockwise to engage LOCK mode, or counterclockwise to engage FREE mode.



TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES	RECOMMENDED SOLUTION
Dead vehicle battery	Incorrect, damaged, or corroded electrical connections	Verify all winch electrical connections are per instruction manual and free of damage and/or corrosion.
Winch will not operate	Contactor not receiving power	Turn vehicle key on.
	Wireless remote not powered on	Turn wireless remote on.
	Incorrect, damaged, or corroded electrical connections	Verify all winch electrical connections are per instruction manual and free of damage and/or corrosion.
	Keyed power circuit (orange wires) not properly powered	Check 10A accessory circuit fuse for continuity; replace as required.
Winch operates in one direction only	Autostop fairlead not properly connected	If winch operates only outward then ensure magnetic stop (black rubber puck) is not touching autostop fairlead. If winch operates inward even when magnetic stop is touching fairlead then verify all winch electrical connections are per instruction manual and free of damage and/or corrosion.
Winch makes noise but rope/cable does not move	Contactor powered, but not winch	If clicking sound is heard when winch control button is depressed, but winch motor is silent, then verify electrical connections between winch and contactor are free of damage and/or corrosion. If winch makes noise but does not move, verify winch is in gear. If winch is in gear, but winch still does not move, have a dealer inspect the winch.

SYMPTOM	POSSIBLE CAUSES	RECOMMENDED SOLUTION
Winch operates too slowly	Winch is improperly loaded	Verify rope/cable is not binding on spool or fairlead.
Winch will not change gears	Rope/cable is under load	Changing gears while under load is intentionally difficult to prevent accidental operation, which could lead to personal injury or winch failure. Ensure rope/cable is under no tension, and rope/cable is not binding on spool or fairlead. Briefly operate winch, then attempt to shift again.

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.

FEEDBACK FORM

