

# RANGER 900 XP CREW MULTI MOUNT 4500 WINCH KIT

P/N 2880096

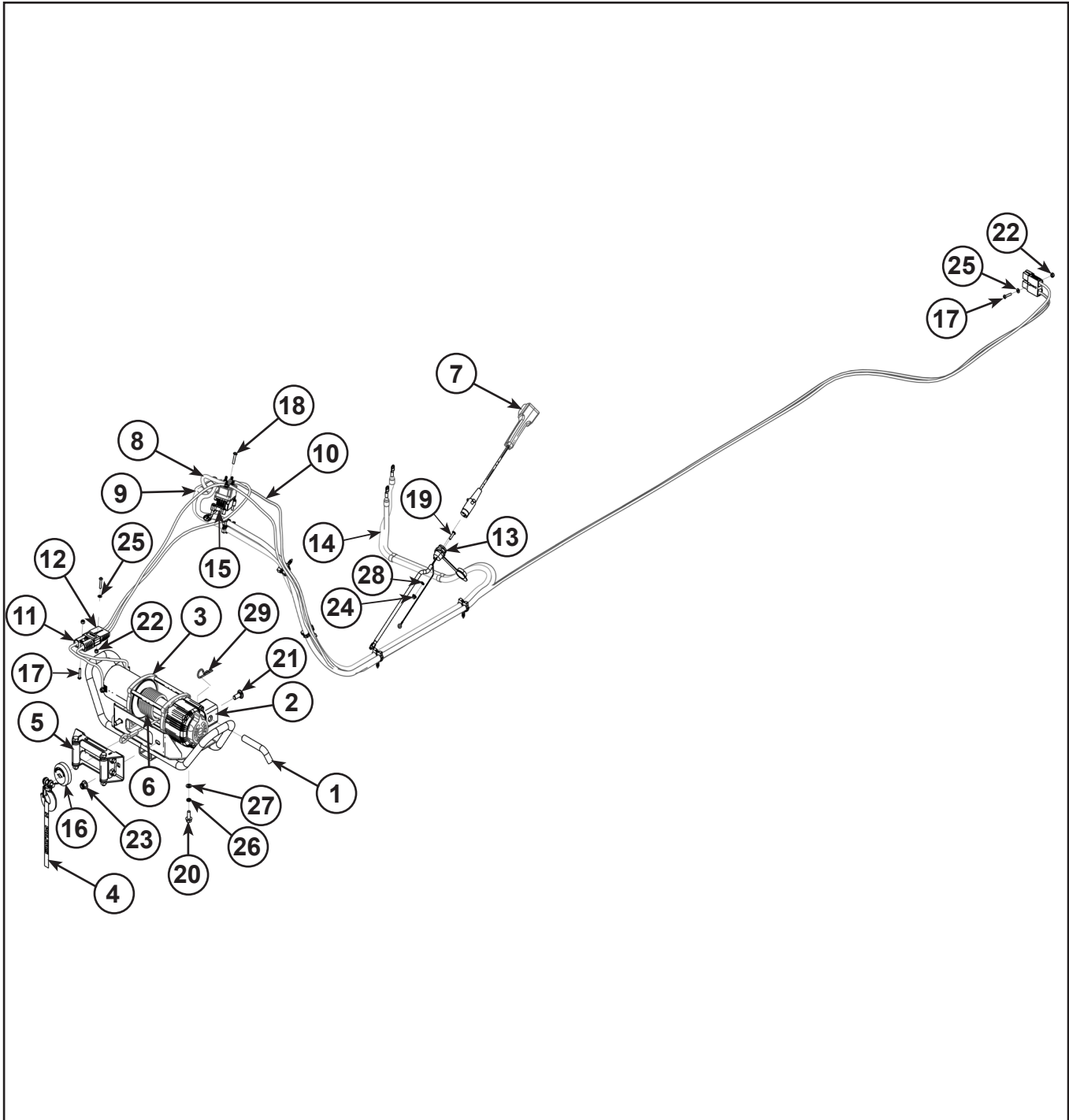


## APPLICATION

RANGER 900 XP CREW

## BEFORE YOU BEGIN

Before you begin, read these instructions twice 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

Ref	Qty	Part Description	Part Number
1*	1	Hitch Pin	-
2	1	Weld - Winch Mount plate, MM	1018455
3	1	Polaris Winch, 4.5, BTM SPL	2204855
4	1	Winch Latch Hook	2411836
5	1	Fairlead Roller, Winch 4500	2411847
6	1	Steel Winch Cable, 7/32"	2878889
7	1	Winch Remote Switch	4013466
8	1	Power Cable, Winch Black 6 GA	4013470-250
9	1	Power Cable, Winch Red 6 GA	4013471-250
10	1	Cable - Quick Connect 6 GA, 4400MM	4013568 - 4400
11	1	Cable - Quick Connect 6 GA, 610MM	4013568 - 610
12	1	Cable - Quick Connect 6 GA, 900MM	4013568 - 900
13	1	Remote Winch Socket, Long	4014228
14	1	Cable - Terminal Block, Battery	4014549
15	1	Contactora - Winch, POL, LIF, CAP	4015095
16	1	Stop - Magnet, Bumper, Rubber	5414619
17*	4	Screw - HXBH 10-24 X 1.00 RIE	-
18*	4	Screw - # 10 - 32 X 1 TRX PN HD - Y	-
19*	2	Screw - M5 X 0.8 X 20 8.8 TXPH ZOD	-
20*	4	Screw - HXFL M8 X 1 .25 X 20 8.8 ZOD P3	-
21*	2	Screw - RHCAR - M10 X 1 .5 X 25 8.8 ZOD	-
22*	4	Nut - NYLOC 10 - 24 Y	-
23*	2	Nut - M10 X 1.5 HFN NYLOC ZOD	-
24*	4	Nut - M5 X 0.8 8.8 HX/ FL NYLOC	-
25*	4	Washer - FL #10 .203 X 438 X .032 - Y	-
26*	4	Washer - Lock M8 X 12.7 O.D. X 2 MM ZY3	-
27*	4	Washer - 0.62 X .330 X.060 FI-Y	-
28*	4	Washer - M5, Flat	-
29*	1	Clip - Hitchpin 120 X 2 - 3/8 -Z	-
	1	Winch Manual Guide	9923644
	1	Instructions	9924974

ITEMS MARKED (\*) ARE INCLUDED IN HARDWARE KIT PN 2878892.

## TOOLS NEEDED

Standard and Metric Socket Set  
Flat Screwdriver

T-25 Torx  
Wire Cutter

Phillips Screwdriver  
1 1/16" Hole Saw or Drill

**NOTE:** This Multi-Mount Winch kit requires prior installation of Ranger 2" Front Receiver (P/N 2878846).

## APPROXIMATE ASSEMBLY TIME

60 mins

## IMPORTANT

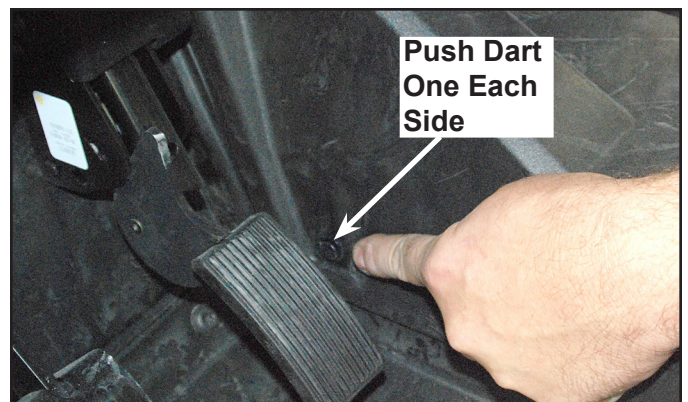
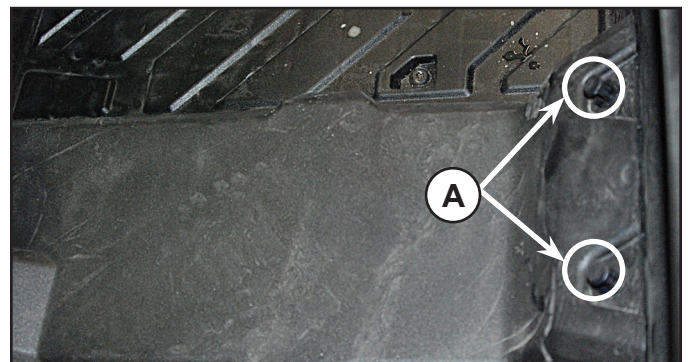
Your Polaris Ranger winch is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence as shown on the attached instructions

## INSTALLATION INSTRUCTIONS

1. Turn key to "OFF" position and remove key from vehicle. Remove driver seat. Disconnect black negative cable from battery. Disconnect red positive cable from battery.
2. Remove hood from vehicle as shown in figure.



3. Remove four push darts (A) fasteners from center floor section. One on each side by foot pedal as shown in figures. Save fasteners for reinstallation. Remove center floor section.



4. Lift out seat and pullout tray on passenger side.



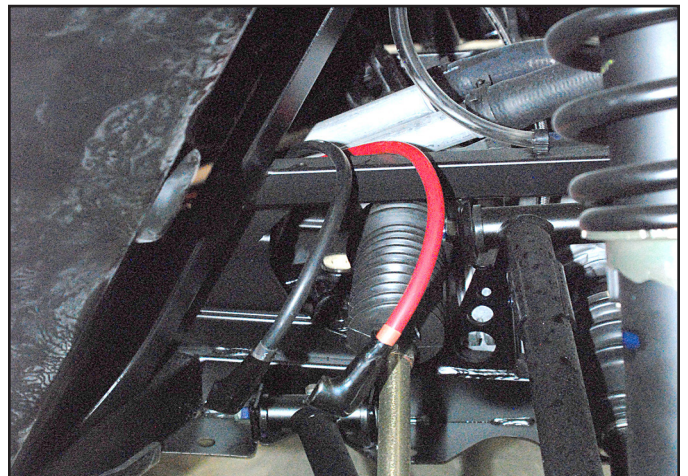
## CONTRACTOR AND WIRING INSTALLATION

1. Install red and black power and ground cable by sliding under seat where center floor section was removed and route up to battery by following the main wire harness. DO NOT connect at this time as shown in figure.

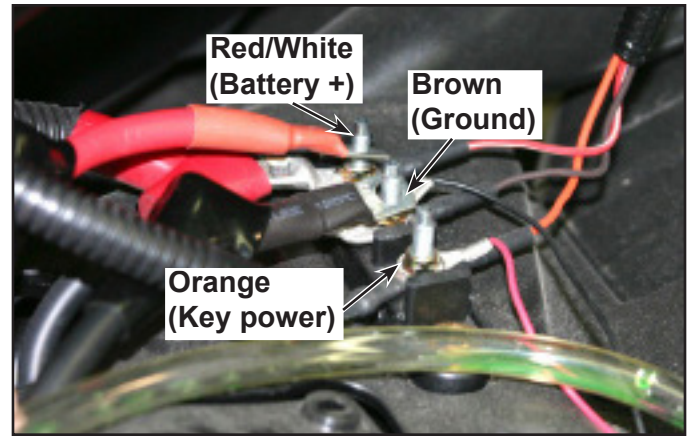
On crew models, route hoses through the tunnel area under the rear floor section and into the area under the rear seat.



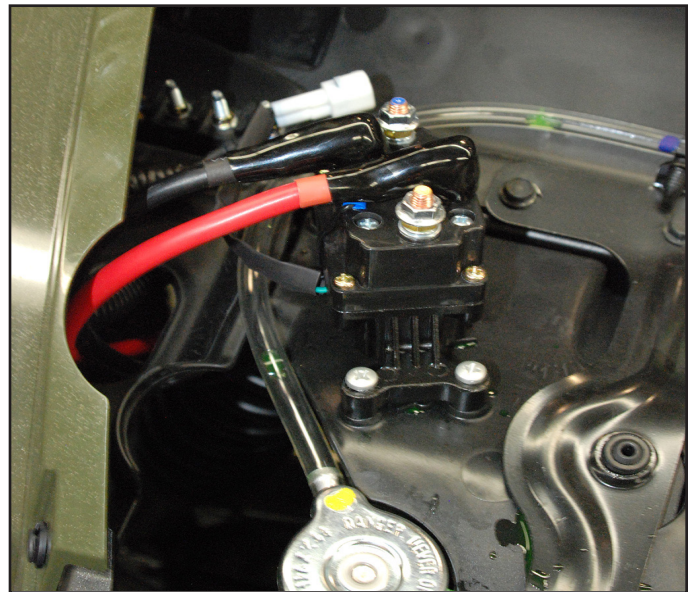
2. Slide the other end of cable through bulkhead. Follow main wire harness up and onto the splash tray as shown in figure.



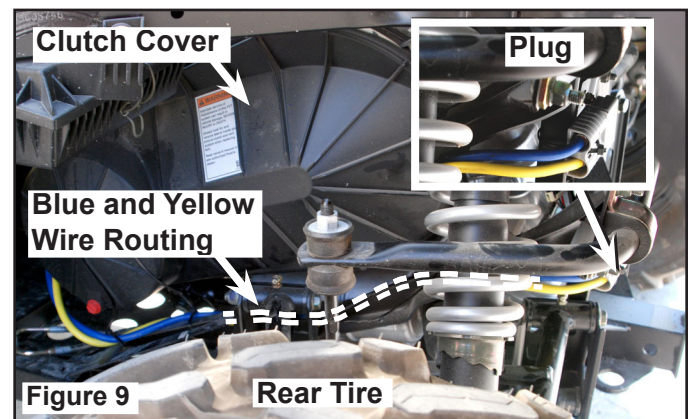
3. Connect red cable to red passenger side post on bus bar. Connect the black cable to the center post on bus bar. Connect short (250 mm) red and black cables to the bus bar on the same posts as the wires previously connected. Reinstall nuts on bus bar. Connect wires to red and black terminals on contactor and lightly tighten. DO NOT OVER TIGHTEN. Slide the cable covers on as shown in figure.



4. Install contactor with Phillips screws/screwdriver in the hood splash tray as shown in figure.
5. Connect red cable to red colored post on contactor and tighten with a 10 mm wrench. Connect the black cable to the black coded post and lightly tighten. DO NOT OVER TIGHTEN. Slide the cable covers on as shown in figure.
6. Route 900 mm long (medium length) blue and yellow wires from bumper up through splash tray and connect to matching colour terminals on connector. Secure multi mount connector to the front bumper in conventional location using #10 bolt, washer and nut. Orient the connector so that the terminal face down, allowing water to drain out of the connector.

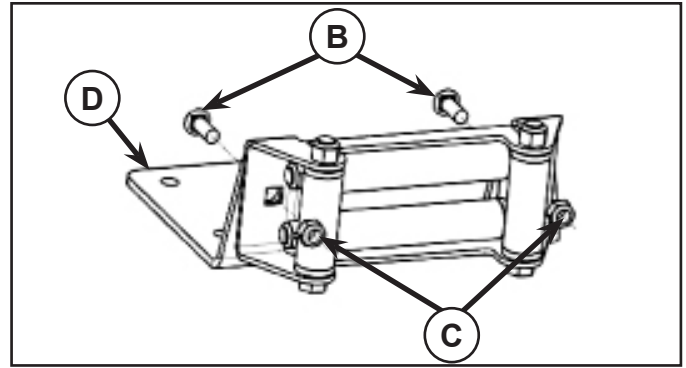


7. Route the rear power cables from the contactor to the rear of vehicle along the main harness. Route rear cables downward onto main frame in front of clutch cover, then along inside of frame as shown in figure.

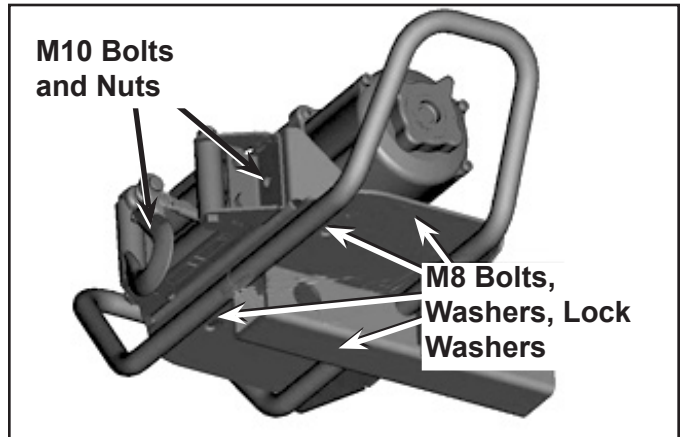


## WINCH INSTALLATION

1. Attach the fairlead to the fairlead mount bracket (D), using two M10 carriage bolts (B) and two lock nuts (C).



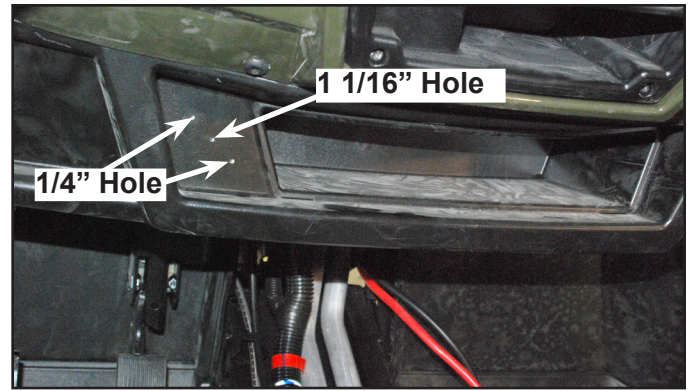
2. Assemble the winch, fairlead sub-assembly and winch mount plate using four M8 bolts, four split washers and four flat washers.
3. Route cable through fairlead and attach the hook and clasp.
4. Attach the motor power cables (610 mm, shortest wires) to the motor.



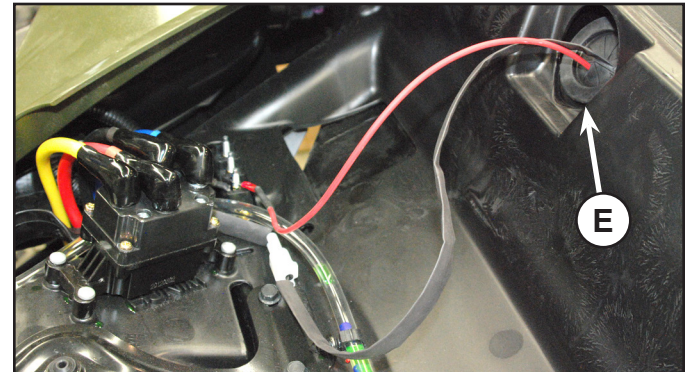
## REMOTE SOCKET INSTALLATION:

<b>⚠ WARNING</b>	
	<b>TO PREVENT SERIOUS INJURY OR DEATH FROM EXPLOSION:</b> <ul style="list-style-type: none"><li>• Do not drill into gas tank.</li><li>• Verify the area is clear behind the mounting location before drilling.</li></ul>

1. Install remote switch on vehicle dash. Use a 1 1/16" drill bit to cut a hole centered between dots embossed on dash. Drill two holes for screws with 1/4" drill bit over embossed dots as shown in figures.



2. Remove grommet (E) located in upper splash tray. Route red/black wires through dash and feed wires through hole where grommet was removed in upper splash tray. Push the wires back through the grommet and replace grommet in upper splash tray hole. Connect black wire to connector and red wire to the keyed power terminal. After wires are connected, panduit power and ground cables to the main wire harness to keep clear of moving parts and panduit to frame as shown in figure.

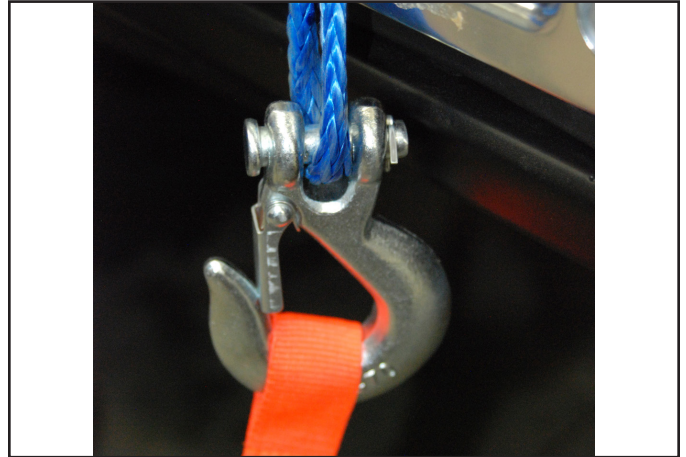


3. Attach switch with the two Phillips screws, washers and nuts provided in kit. Install in this order, screws, switch housing, dash, washer, nut. Tighten with a Phillips screwdriver and a 8 mm wrench as shown in figure.



## FINAL INSTALLATION:

1. Attach winch hook with cotter pin to rope as shown in figure.



2. Attach main red cable to battery to the battery side of starter solenoid. Attach black ground cable to ground post. After wires are connected, panduit power and ground cables to the main wire harness to keep clear of moving parts and panduit to frame as shown in figure.



3. Secure cables to frame and main wire harness every 6-12 inches, away from moving or hot parts. Secure the front connector in an area that will be easily accessible for connection to the winch mount assembly.
4. Replace the center floor section and reuse the four push guard pins removed at a earlier step.
5. Re-connect the main vehicle power cables and winch power cables to the battery using the original hardware.
6. With the vehicle key in the ON position, check winch for proper operation.
7. Confirm that all wiring is correct.
8. Connect winch remote control to electrical socket as shown in figure.





9. Verify function of winch as shown in figure.
10. Confirm that there are no exposed wires or terminals. All loose wires need to be wrapped tight, and secured away from moving parts and heat sources.
11. Reinstall pullout tray under seat.
12. Reinstall seat.
13. Retighten all hardware after 30 minutes of riding.

