

PLOW CONTROL KIT

POLARIS

ENGINEERED PARTS
ACCESSORIES & APPAREL

P/N 2880836

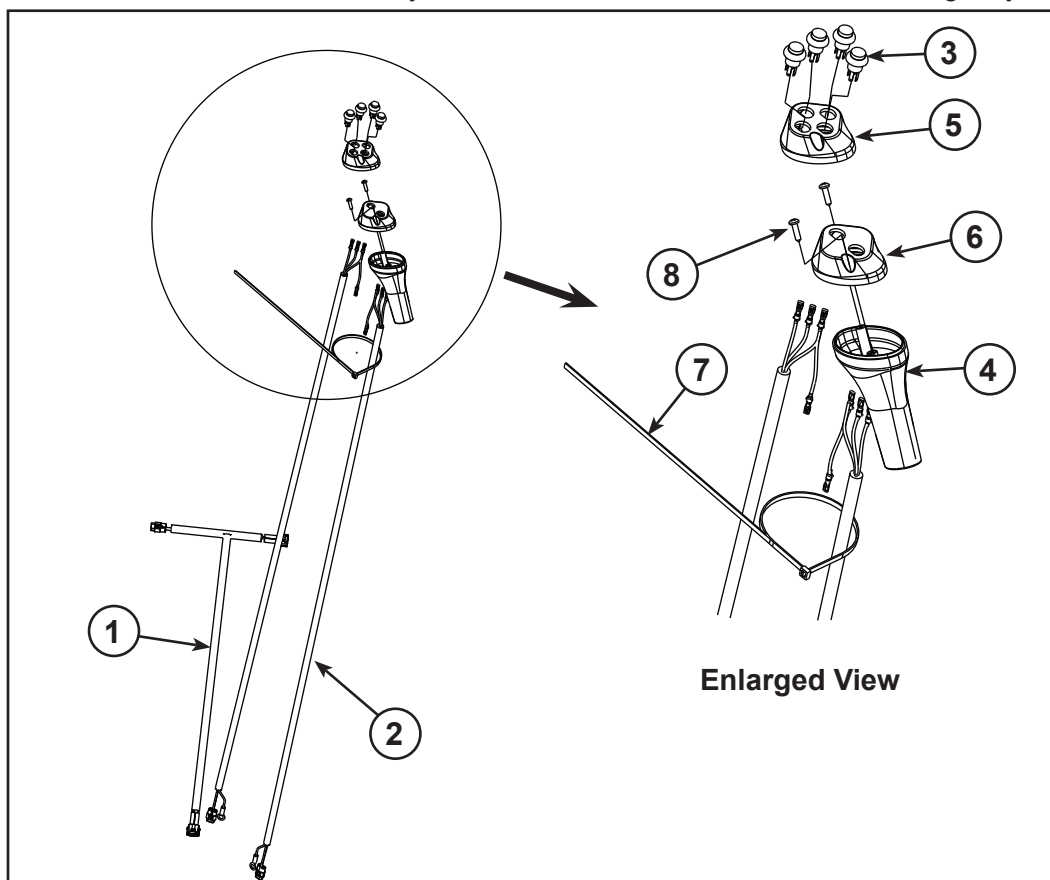
APPLICATION

MY15 AND NEWER RZR 900 AND RZR S 900; MY14 AND NEWER ACE MODELS

BEFORE YOU BEGIN

Read these instructions thoroughly and make sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

IMPORTANT: The following instructions contain details required to install the contents of this kit. Please read the following instructions carefully prior to installation because some applications may require additional hardware. This kit can be used as a secondary winch control or with the Glacier Pro Angle systems.



KIT CONTENTS

Ref	Qty	Part Description	Part Number
1	1	Winch Control Harness	2412419
2	2	Plow Control Harness	2413009
3	4	Momentary Switch	4011501
4	1	Gear Selector Handle	5450120
5	1	Gear Selector Cover (Four Button)	5450121
6	1	Gear Selector Cover (Two Button)	5450281
7	5	Panduit Strap	7080492
8	2	Screw, Self Tap #8 x 0.625	7511881
	1	Instructions	9925825

TOOLS NEEDED

T25 Torx Driver

10 mm Socket

Screw Driver Set

T40 Torx Driver

Masking Tape

APPROXIMATE ASSEMBLY TIME

20 mins.

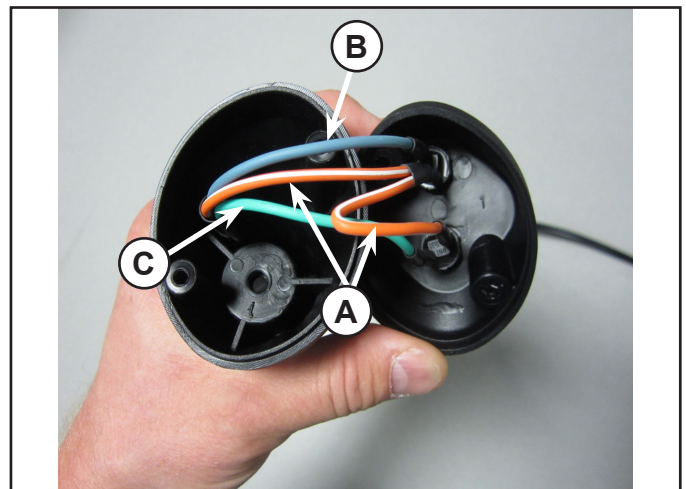
IMPORTANT

Your Polaris PLOW CONTROL 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.

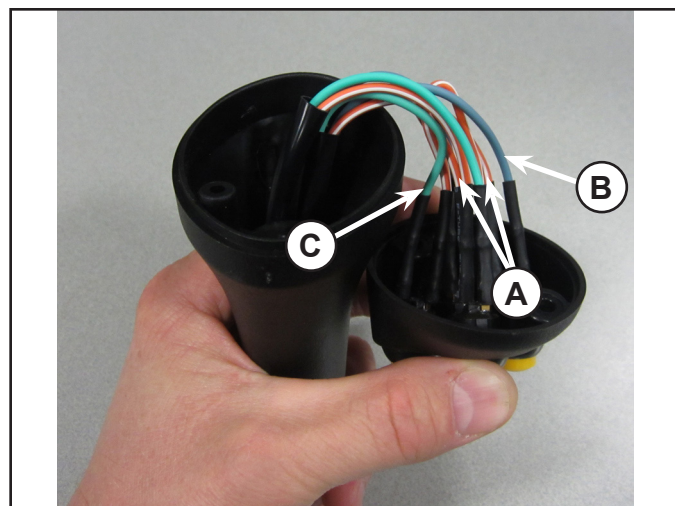
INSTALLATION INSTRUCTIONS

1. Disconnect the battery prior to starting this installation.
2. Determine if your application requires two or four buttons.
 - a. Use the two button cap (6) if using the control handle (4) as a winch control.
 - b. Use the four button cap (5) if using the control handle (4) with a Glacier Pro Angle system.
3. Locate the desired cap and the required number of momentary switches (3). Push the switches into the gear selector cap taking care to align the flat on the switch with the flat in the cap. The switches should securely lock in place once they are fully seated in the cover.
4. Locate the gear selector handle (4) and the plow control harness (2). Route the four shrink wrapped green (C), blue (B) and orange/white leads (A) of the plow control harness (2) through the wire routing channel of the gear selector handle as shown in figure.
5. Attach one orange/white lead (A) to each momentary switch. The blue wire (B) should be attached to the upper button and the green wire (C) to the lower button as shown in figure. Proceed to Step 6 if using the 4 button application or skip to Step 7 if using a 2 button application.

NOTE: You will have one extra control harness and two extra momentary switches if using the two button application. These items should be kept incase you wish to upgrade to a power angle kit at a later date.



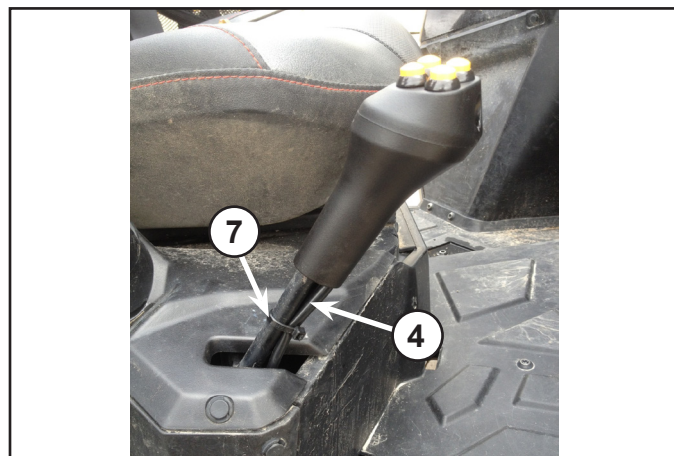
6. Locate the second plow control harness (2) found in this kit.
 - a. Apply masking tape near the white plug and temporarily mark the harness as the "Angle Control".
 - b. Route the four shrink wrapped green, blue and orange/white leads of the plow control harness through the wire routing channel of the gear selector handle.
 - c. Attach the orange/white wires (A) to the left and right momentary buttons. The blue wire (B) should be attached to the left hand button and the green (C) to the right hand button as indicated in figure.
7. Use a flat screwdriver to remove the cap of the stock shift handle. Remove the handle screw with a T25 Torx bit retaining it for reuse and pull up to remove the handle from the shift lever weldment.



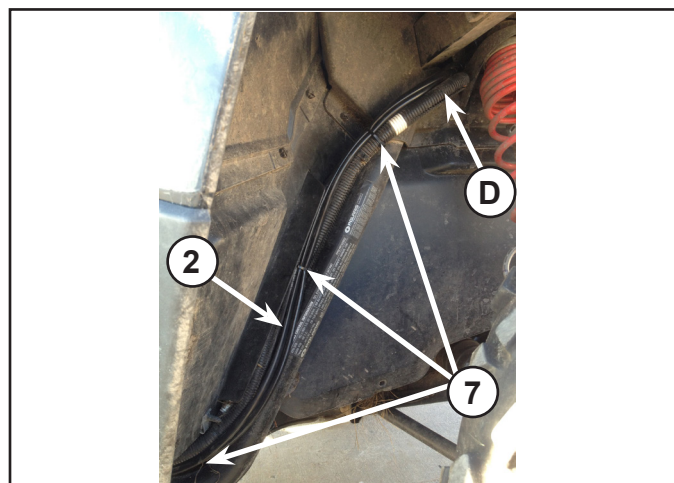
8. Wire Routing

a. Ace Routing Instructions:

1. Slide the plow control lever over the shift lever weldment with the wires exiting on the front side of the assembly. Secure the assembly in place using the screw that was removed in step 7.
2. Install the cover of the shift lever with the two screws (8) provided in this kit. Carefully feed the harness through the handle during assembly to avoid pinching the wires.
3. Use one panduit strap (7) to secure the harness to the front side of the shift lever weldment just below the control handle (4) as shown in figure. This panduit will prevent the wires from pulling free from the control during operation.

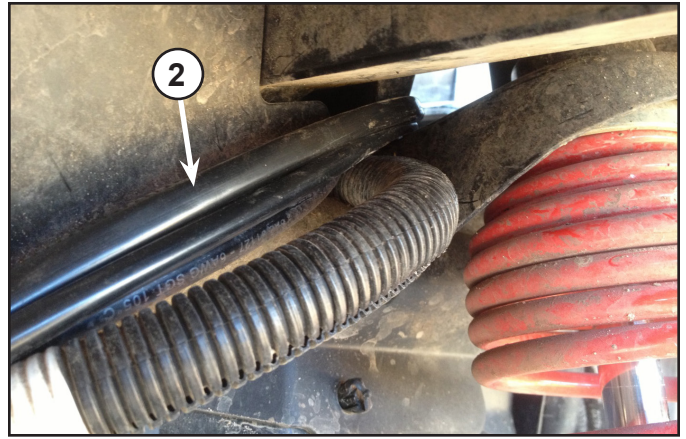


4. Route the plow control wires through the shift lever opening and forward to where the main harness is secured under the right fender. The plow control harness (2) should follow the main vehicle harness up to the front side of the strut stamping as shown in figure. Use three panduit straps (7) to secure the control plow control harness (2) to the main harness (D) in this area.

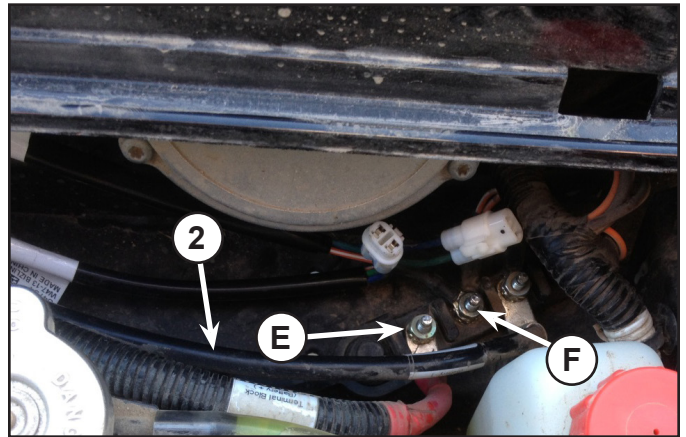


NOTE: Shift the unit through all gears making sure the harness has sufficient slack throughout the range of motion.

5. The plow control harness (2) should be routed between the front cab and the air dumb as shown in figure.

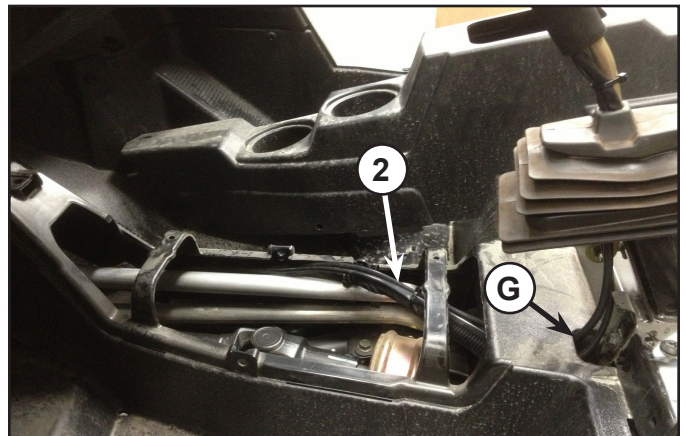


6. Open the front rack lid and remove the two dart clips securing the access panel in place.
7. Remove the access panel and locate the accessory terminal block (E). Take note that this model has a protective cover over the terminal block requiring you to clip a panduit strap in order to access the terminals.
8. Route the plow control wires (2) to the accessory terminal block and attach the ring terminal to the keyed accessory power location. The keyed power should be located in the middle of the terminal block (F) on this model and can be identified by an orange/white wire.



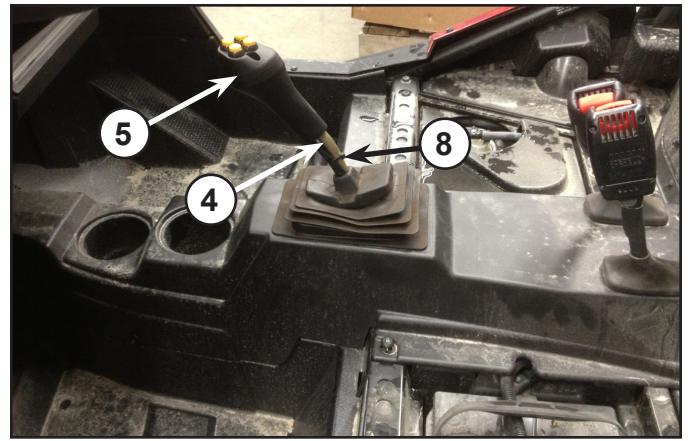
b. RZR Routing Instructions:

1. Remove the drivers and passenger seats from the vehicle.
2. Remove the five dart clips and two screws securing the driveshaft cover in place. Lift the driveshaft cover vertical and remove it from the unit. Take care not to damage the shifter boot or seatbelt boots during removal. The seatbelt boots should remain on the seatbelt assembly when the cover is removed.
3. Remove the shifter boot from the driveshaft cover to allow for easy wire routing.
4. Route the plow control harness (2) through the opening in the shifter boot.
5. Slide the shifter boot and plow control harness (2) over shift lever weldment as shown in the figure. Take care not to damage the shifter boot or pull the control harness wires loose during installation.
6. Route the control harness through the routing hole (G) just below the shift lever and follow the main harness forward to the front of the machine. Secure the wire harness to the main vehicle harness as necessary to avoid sharp edges and rotating shafts.

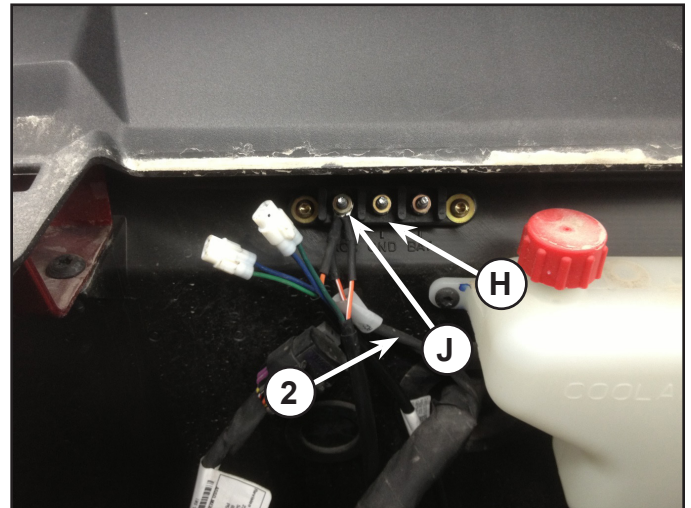


NOTE: Shift the unit through all gears making sure the harness has sufficient slack throughout the range of motion.

7. Install the cover of the shift lever (5) with the two screws (8) provided in this kit. Carefully feed the harness through the handle (4) during assembly to avoid pinching the wires.
8. Use one panduit strap (8) to secure the harness to the front side of the shift lever weldment just below the control handle as shown in figure. This panduit will prevent the wires from pulling free from the control during operation.



9. Release the ¼ turn fasteners securing the front hood of the machine. Remove the hood by pull the rear of the hood up to release the fasteners and forward to release the front locking tabs.
10. Locate the accessory terminal block (H) at the rear of the dash panel.
11. Route the plow control wires (2) to the accessory terminal block and attach the ring terminals to the keyed accessory power location. The keyed power should be located on the left side of the terminal block (J) on this model and can be identified by an orange/white wire.



9. Lift/Angle Options

- a. The winch control harness (1) will be installed between the winch contactor and the plow control harness if the plow control is being used as a secondary winch control. The winch control harness has two inputs allowing the winch remote or the plow control to actuate the winch.
 - b. If this controller is being used with the Glacier Pro Plow system and the accessory angle kit the plow control harness that was previously labeled "Angle Control" will be plugged directly into the plow angle harness (PN 2412369) in a later step. Please see the plow angle installation instructions for final installation.
10. If this plow control is being used as a secondary winch control only the battery can be reconnected at this time and any body panels reinstalled. If this kit is being used in conjunction with a Glacier Pro Angle system please refer to the angle kit installation guide for further instruction.