

PLOW CONTROL KIT

P/N 2879227



POLARIS®

Application

MY09 and newer Ranger models

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.

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 lift and angle systems.

This Kit Includes:

<u>Qty</u>	<u>Part Description</u>	<u>Part Number</u>
1.....	Harness-Plow Control	2412370
1.....	Harness-Winch Control	2412419
2.....	Momentary Switch	4011501
1.....	Gear Selector Handle	5450120
1.....	Gear Selector Cover (4 Button)	5450121
1.....	Gear Selector Cover (2 Button)	5450281
5.....	Panduit Strap	7080492
2.....	#8 x .625 Screw	7511881
1.....	Installation Instructions	9924147

Tools Required:

T25 Torx Driver

Screw Driver Set

8 mm Socket

Masking Tape

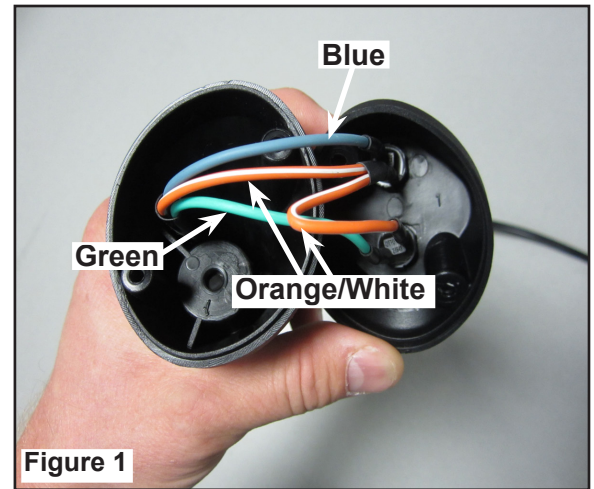
APPROXIMATE ASSEMBLY TIME (R&R): 20 minutes

IMPORTANT: For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence as shown on the attached instructions.

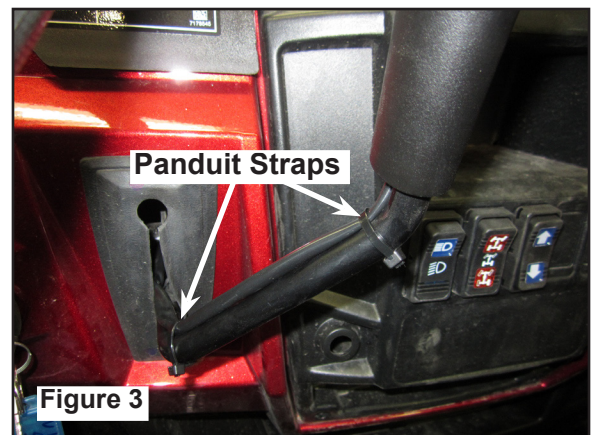
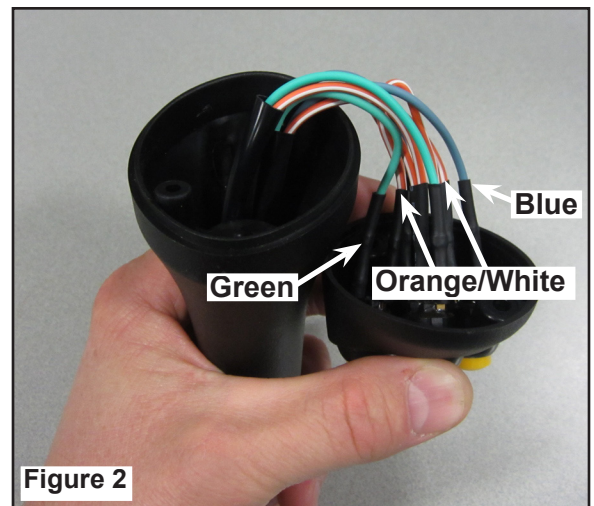
INSTALLATION INSTRUCTIONS

1. Disconnect the battery prior to starting this installation.
2. Determine if your application requires two or four buttons.
 - a. Use two button cap if using the control handle as a secondary winch control or to control the Glacier Pro Lift system (PN 2879220) only.
 - b. Use four button cap if using the control handle with the Glacier Pro Angle system (PN 2879224). The additional buttons and control harness for this application can be found packaged with the angle system.
3. Locate the desired cap and the required number of momentary switches (PN 4011501). 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 (PN 5450120) and the plow control harness (PN 2412370). 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 as shown in Figure 1.
5. Attach one orange/white lead to each momentary switch. The blue wire should be attached to the upper button and the green wire to the lower button as shown in Figure 1. Proceed to Step 6 if using the 4 button application or skip to Step 7 if using a 2 button application.



6. Locate the plow control harness from the plow angle kit (PN 2879224).
 - 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 to the left and right momentary buttons. The blue wire should be attached to the left hand button and the green to the right hand button as indicated in Figure 2.
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. Install the new shift lever assembly with the wires exiting the handle on the front side and secure in place using the screw that was removed in Step 7.
9. Install the cover of the shift lever with the two #8 screws provided in this kit. Carefully feed the harness through the handle during assembly to avoid pinching the wires.
10. Use two of the panduit straps (PN 7080492) to secure the harness to the top side of the shift lever weldment as shown in Figure 3.



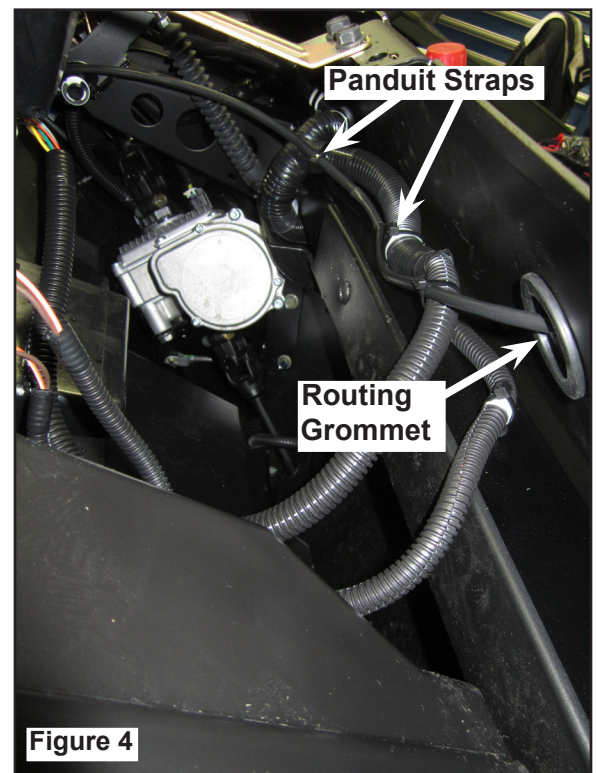
11. Wire Routing

a. Routing Instructions for Ranger 400/500/700 & 800 models

1. Open the hood of the unit and locate the accessory power block.
2. Route the plow control harness from the lever, through the shift lever grommet and to the accessory power block. Take care when routing the harness to avoid rotating shafts, sharp edges and pinch points.
3. Attach the orange/white wire on the plow control harness to the keyed power on the accessory power block at this time.
4. Use the remaining panduit straps (PN 7080492) to secure the harness as necessary.

b. Routing Instructions for Ranger 900 Models

1. Remove the four dart clips securing the dash cover. Slide the cover rearward to release the locking tabs and remove it from the machine at this time.
2. Remove the front hood from the machine and locate the accessory power block on the right side of the unit.
3. Route the plow control harness from the lever, through the shift lever grommet and to the right side of the shifter mechanism. Securing the plow control harness to the dash harness with two panduit straps (PN 7080492) as shown in Figure 4.
4. Cut a slit in the rubber routing grommet on the right hand side of the dash support weldment so the plow control harness can pass through the grommet to the accessory power block.
5. Attach the orange/white wire on the plow control harness to the keyed power on the accessory power block.
6. Reinstall the dash cover that was removed in Step 1 at this time.



12. Lift/Angle Options

- a. If this controller is being used with the Glacier Pro Plow system and the accessory lift kit (PN 2879220) the plow control harness will be plugged directly into the plow lift harness (PN 2412369) in a later step.
 - b. If this controller is being used with the Glacier Pro Plow system and the accessory angle kit P/N 2879224 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.
 - c. The winch control harness (PN 2412419) 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.
13. 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 the Glacier Pro Lift or Angle system please refer to these kits for further instruction