

AUTOSTOP KIT

P/N 2879148; 2879149



Application

Polaris HD Winches

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.

This Kit Includes:

| <u>Qty</u> | <u>Part Description</u> | <u>Part Number</u> |
|------------|-------------------------|--|
| 1..... | Hawse Fairlead | 5138168 (2879148 Ranger) 5138169 (2879149 RZR; ATV) |
| 1..... | Rubber, Bumper Stop | 5414619 |
| 1..... | Instructions | 9924225 |

Tools Required:

17 mm Socket and Ratchet 6 mm Allen Wrench 17 mm End Wrench

IMPORTANT: The kit contains an aluminum Hawse-type fairlead, a rubber bump stop that contains magnets, and a wire harness with a control box. This kit is only for use with synthetic rope, as a steel cable would quickly wear and damage the aluminum fairlead. If your vehicle is equipped with steel cable, you will need to order a synthetic rope. For 4500 models order kit PN 2879187; for 3500/2500 models order kit PN 2878888.

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

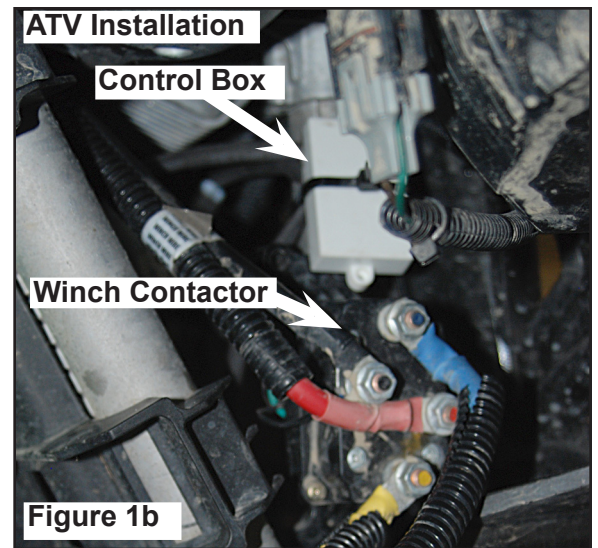
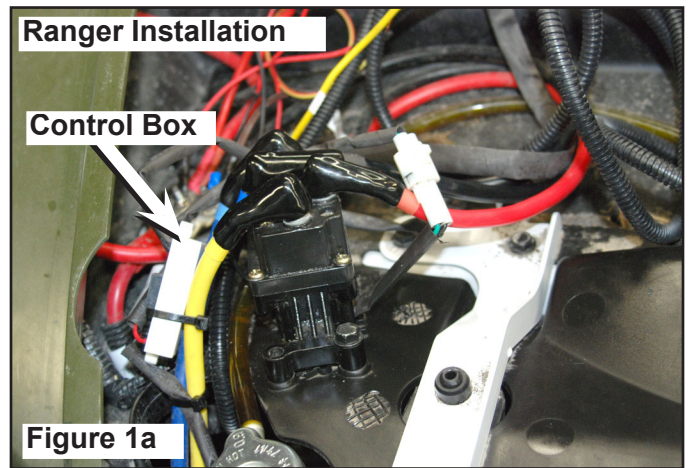
FUNCTION OF THE AUTOSTOP FEATURE

The AutoStop fairlead is an innovative solution making your winch easier to use, especially when plowing. The hardest work your winch does is when it isn't doing much work at all; when your winch pulls the rope tight to get the last bit of lift out of the plow or to tighten up the hook to prevent it from rattling against the bumper. As the winch pulls the hook against the fairlead it stresses the winch, rope, fairlead, and vehicle frame. To help prevent damage to these components, Polaris created a solution that stops the winch before the hook is pulled too far into the fairlead.

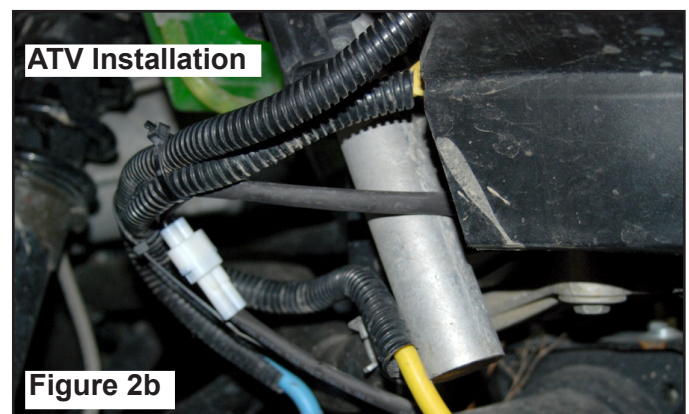
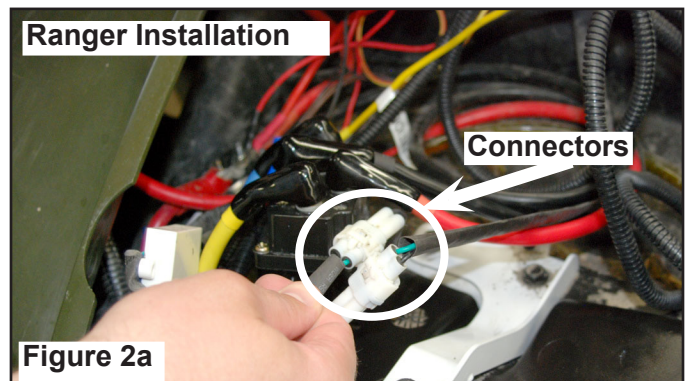
If your vehicle is equipped with this feature it contains an aluminum Hawse-type fairlead, a rubber bump stop that contains magnets, and a wire harness with a control box. This winch is only for use with synthetic rope, as a steel cable would quickly wear and damage the aluminum fairlead. When the rubber bump stop is brought close to the fairlead, sensors inside the fairlead tell the control box to turn the winch off. The winch will continue to let rope out, but the rope will not pull in any further.

INSTALLATION INSTRUCTIONS

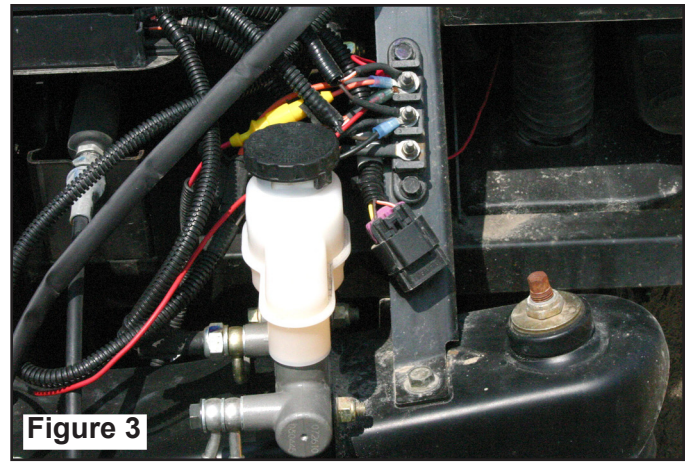
1. To assemble, install the aluminum Hawse fairlead in the same location as the standard roller fairlead would be, using the same hardware. Wire routing will be simplest if the wires are located on the passenger side of the vehicle. Place the control box close to the winch contactor and extend the longer wire toward the fairlead. Disconnect the remote control from the winch contactor, and plug those two connectors into the corresponding connectors on the control harness. Once the connections have been made, route the red and black wires to the terminal block on SxS vehicles or on ATV models, to the power connections under the upper cab by the steering post. The black wire must be connected to a solid ground, and the red wire should be connected to keyed power so that the winch will only operate when the vehicle key is turned to the ON position. Figure 1.



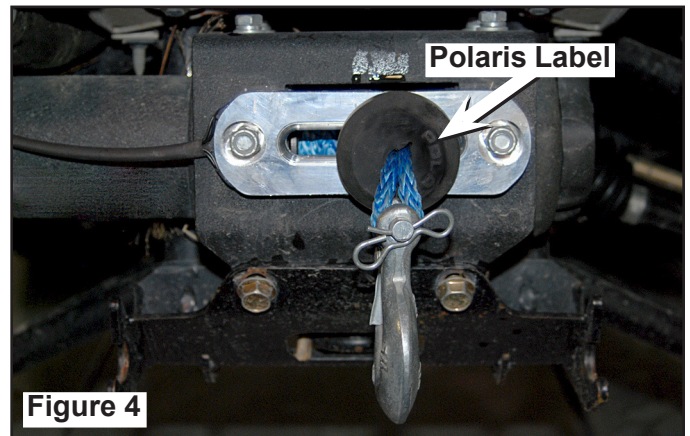
2. Disconnect the remote control from the winch contactor, and plug those two connectors into the corresponding connectors on the control harness. Figure 2.



3. Once the connections have been made, route the red and black wires to the wire harness. The black wire must be connected to a solid ground, and the red wire should be connected to keyed power so that the winch will only operate when the vehicle key is turned to the ON position. On SxS models this is indicated by the presence of an orange wire on the terminal block. On ATV models connect to one of the orange wires located by the steering post and under the upper cab plastic. Figure 3.



4. Thread the winch rope through the fairlead, then thread the rope through the rubber bump stop with the "POLARIS" label facing outward toward the front of the vehicle. The rubber bump stop is supposed to be tight on the rope, so use a string or plastic cable tie tied around the end of the rope to pull the rope through the bump stop. It is helpful to apply a small amount of rubbing alcohol or other non-corrosive lubricant to the rubber stop to ease the rope through the hole. Once the rope is through the hole, attach the hook to the rope with the cotter pin as instructed in the winch kit. Figure 4.



5. Before use, confirm the proper function of the AutoStop by turning on the winch and spooling it in. The rubber stop should get close to the fairlead and the winch should turn off automatically. If it does not, check that all connections are made properly and that the rubber stop is facing with the "POLARIS" side facing outward and retest.

The AutoStop system is meant to help prevent damage to the winch system from over-tightening of the rope, but is not meant to prevent all foreseeable winch damage. Keep in mind that 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 and the AutoStop system should only be used as a secondary preventive measure to help prevent damage to the winch from over-tightening of the rope.