



## Tusk ATV/UTV Winch Solenoid Mounting

### Additional instruction for mounting your winch solenoid

**NOTE:** Options for mounting your solenoid may vary depending on the make and model of the ATV/UTV.

1. When looking for the best place to mount the solenoid on your machine, keep in mind the length of wire leads that will go from the battery to the solenoid (black and red) and from the solenoid to the winch (yellow and blue).
2. If the solenoid is mounted too far to the rear of the machine, you may find the yellow and blue cables are too short (this is more common on ATV's vs. UTV's). You can swap the yellow and blue wires with the longer red and black wires if needed (assuming the shorter blue and yellow will work for the battery connection). **Note:** Swapping wires will change the instructions for wiring the winch to the solenoid and wiring the solenoid to the battery. Make certain that the wires (whatever color) are connecting matching color terminals on the solenoid and the winch. For example: be sure that whatever wire you attach to the yellow terminal on the winch goes to the yellow terminal on the solenoid and so-on. Likewise, be sure that whatever wire you have attached to the black terminal on the solenoid goes to the negative (-) terminal on the battery and that the red terminal on the solenoid is wired to the positive (+) terminal on the battery (see fig. 1). **If cable lengths don't work with the solenoid in the rear, you may need to mount the solenoid in a different location.** In most cases, it will mount on or near the winch mount plate.

#### **Front mounting tips**

3. In figure 2 we mounted the solenoid on the winch mount plate for a 2013 Honda Rubicon. By drilling two 3/16" holes in the bottom of the plate, we could bolt the solenoid securely (bolts and nuts included). Each machine will vary – find a suitable location with enough room.
4. Double-check your work and be sure that everything is wired up correctly. Secure any excess wiring by coiling it and attaching to the machine using zip-ties or clamps. Make sure the wires are away from any moving parts and/or extreme heat.
5. Return to step 4 of the Tusk ATV/UTV Winch Installation Instructions to complete the installation of your winch.

