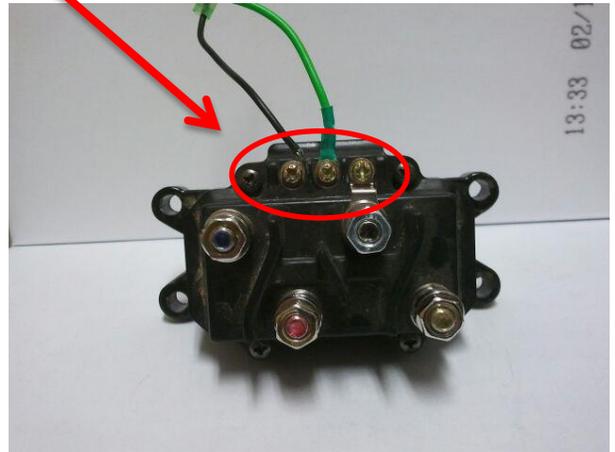
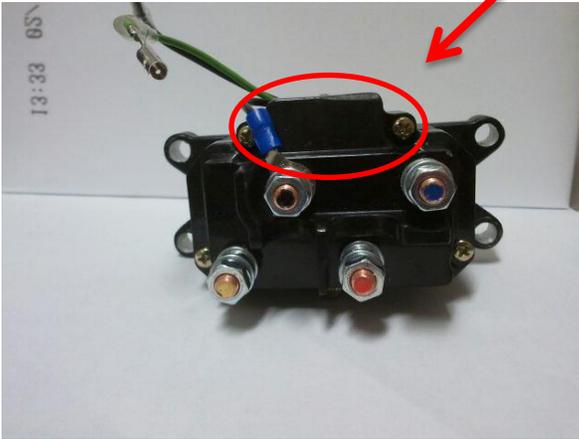


## Trouble shooting contactor problems

1. To determine if you have a bad contactor first determine if the battery has sufficient power to power the winch and that there is a power wire hooked to the battery.
2. Look for any faulty wiring issues. (i.e. exposed wires that maybe contacting the frame of the machine).
3. If contactor does not work trouble shooting the contactor may begin.
4. First unplug the pigtail wires for remote (small green and black wires).
5. To find out if the contactor is working, take the green wire that was just unplugged and touch it to red (positive) post on contactor. There should be a clicking sound inside the contactor when the green wire touches the red post.
6. Repeat this step with the black wire.
7. If contactor clicks with both wires the contactor is functioning correctly.
8. If the contactor does not click with either wire, tap contactor lightly.
9. Then repeat the wire test.
10. If the green wire works but not the black (or vice versa) tap contactor lightly and repeat the wire test.
11. If the contactor does not click you may have a bad contactor.
12. Contact KFI products for further information on the contactor.

SEE PAGE 2 FOR PICTURES OF PROCESS

Notice the differences in these two contactors. Determine which contactor you are using. The different contactors have a slight difference in trouble shooting. Notice the differences



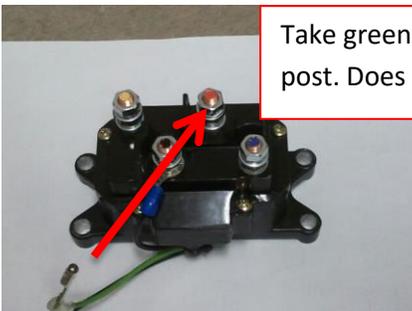
**CONTACTOR WITH OUT THREE SCREW HEADS**

(May need to have a small piece of wire with both ends stripped to contact green wire and red post)

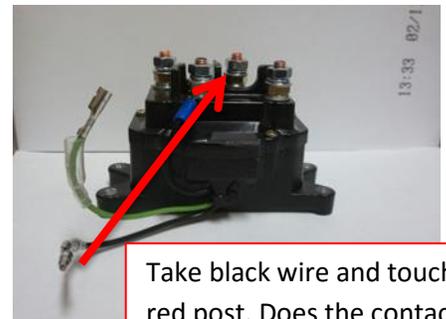
Remove green and black pigtail connections from Mini Rockers/Hand Remote



Take green wire and touch to red post. Does the contactor click?

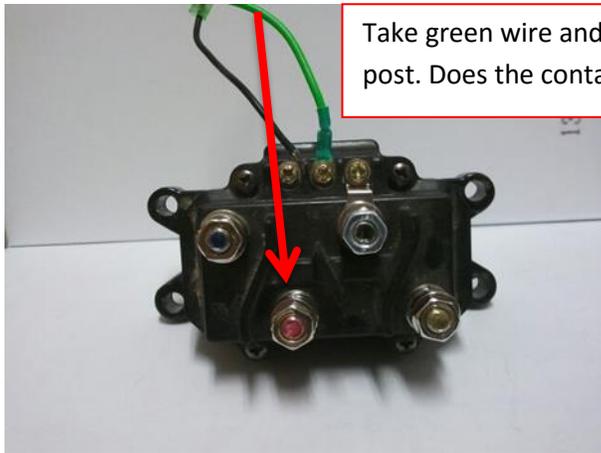


Take black wire and touch to red post. Does the contactor click?

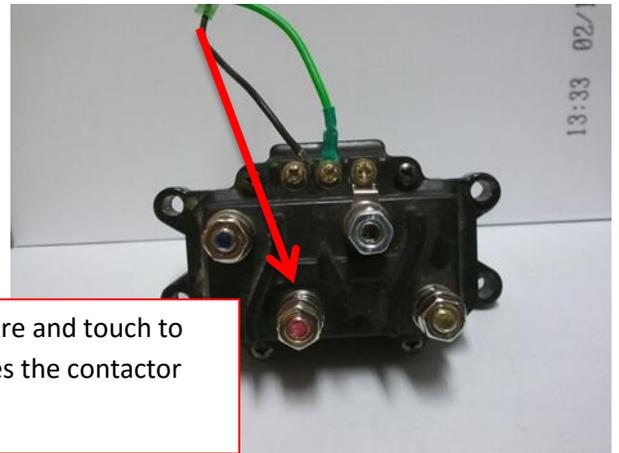


## CONTACTOR WITH THREE SCREW HEADS

YOU WILL NEED TO HAVE A SMALL PIECE OF WIRE STRIPPED AT BOTH ENDS FOR THIS CONTACTOR

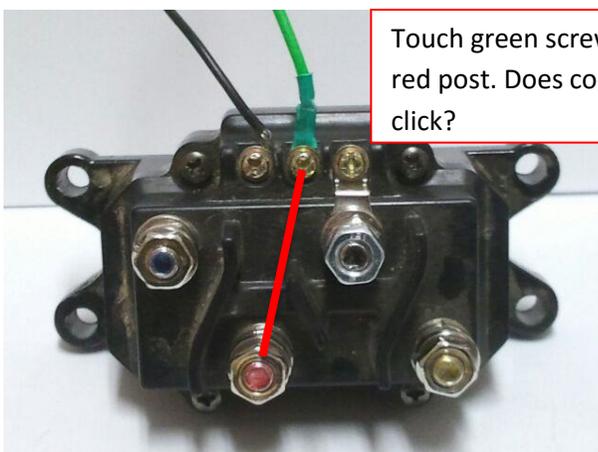


Take green wire and touch to red post. Does the contactor click?

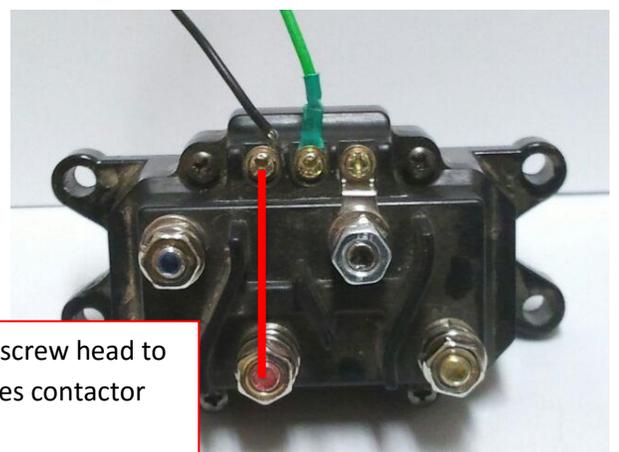


Take black wire and touch to red post. Does the contactor click?

If contactor does not work by touching green and/or black wires to the red post take the wire that you have stripped and touch the top of the screw head of the green wire to the red post. See picture below



Touch green screw head to red post. Does contactor click?



Touch black screw head to red post. Does contactor click?