

Arctic Cat Wildcat

All years and All Models Arctic Cat Wildcat including Wildcat-4, Sport and Trail

STOP - THIS KIT IS DESIGNED SPECIFICALLY FOR ALL YEAR AND ALL MODELS ARCTIC CAT WILDCAT. IF YOUR MACHINE IS NOT AN ARCTIC CAT WILDCAT.

DO NOT PROCEED. Contact Ryco Motorsports or your local dealer.

Where do I start?

Step 1 – Read the instructions. If you are a guy and like most of us feel you can install this without taking the time to read the instructions then you should ask your wife or significant other to read them to you. I went to a lot of effort to create the instructions and I feel bad when no one reads them. Answers to all your questions should be covered in the installation instructions. We've included a lot of photo's for those of you who are visual and don't enjoy words.

What's in the box?

Let's become familiar with the items you will be installing on your machine.



"RYCOMOTO" Turn Signal / Horn Kit

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What tools do I need?

Tools needed: 10 mm or 5/16" socket/nut driver or flat blade screwdriver, Phillips screwdriver, 10 mm wrench, center punch, drill motor, 9/32", 1/2" and 3/4" diameter drills (stepped bit works well) and Polaris pliers (or flat blade screwdriver) to pull plastic push rivets.



Let's get started.

We'll show you how most of the items go together, then we'll show you where they go and how best to install the hardware.

Let's start at the switch. The switch harness connector interfaces with the various components. Notice the color coding on the most of the switch harness connector cables. Match the colors of the COLORED SLEEVES (red to red, green to green and blue to blue) on the cables when you install the components on the machine.

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The flasher relay interface is the only 3 pin connector with no color coding.



The horn, power (fuse holder) and ground wires interface is a 4 pin connector with green color coding.

The rear turn signal harness interface is a 3 pin connector with red color coding.



The brake switch interface module is the only 2 pin connector and has no color coding.

The front turn signal harness interface is a 4 pin connector with red color coding.



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The dash mounted turn signal indicators interface is a 3 pin connector with blue color coding.

Installation

NOTE: Where possible run new cables along side the existing wires and utilize existing cable tie / anchors where practical and ensure wires do not contact moving components or hot surfaces

1. Remove the front hood to provide access at the front of the vehicle.
Installation can be done without removing the hood but access is more difficult.

NOTE: The switch should NOT have any of the cables or components installed on the harness until after the switch is installed and the switch harness is routed behind the dash.

2. Remove the nut on the existing tilt wheel mechanism. Don't remove the shoulder bolt. Push the shoulder bolt so the threaded end is flush with the steering wheel column bracket. Slip the turn signal / horn switch "U" shaped bracket over the steering column and reinstall the nut on the factory shoulder bolt. Torque the nut to 10 in-lb. (You may need to put some pressure on the bracket to force it over the steering column and again to align the hole with the shoulder bolt).



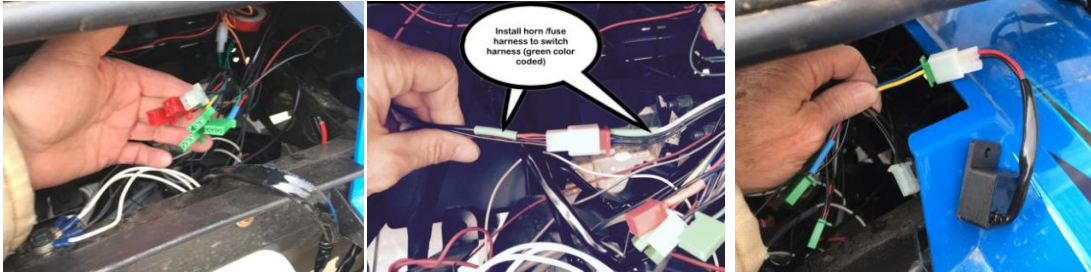
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3. Route the turn signal / horn switch wiring through the opening on the steering column. Route the wires below the steering column and towards the center of the vehicle.
4. Install the flasher relay, horn and power (fuse) / ground harness, turn signal indicator harness and brake light module harness to the switch harness. Ensure the color coding is correct (Colored sleeve on the cables NOT the color of the connectors nor the color of the wires).



5. Secure the switch harness to a cross member using a cable tie. The flasher relay and can be bundled and secured with a cables tie to the switch harness.

Full size wildcat

Trail and Sport



6. Install the horn in the existing hole on the driver's side hood support bracket using the provided fastener, spacer, flat washer and lock nut. Install the fastener in the horn bracket right end hole and install the provided plastic spacer between the horn and the mounting hole on the vehicle support bracket.
7. Install the two flat spade connectors onto the horn (either wire works just as well).

NOTE: Check orientation of terminal to insure access for the male connector prior to seating the parallel tap connector with pliers.

8. Locate the brake switch shown below. Install a parallel tap connector on the factory red/blue wire coming from the factory brake switch.
9. Route the red brake interface module wire from the switch harness and plug the male bullet connector into the parallel tap installed on the red/blue brake switch wire.

NEW - NOTE: Whenever the service brake is applied the brake lights will flash 6 times in the first second and then remain on until the brake pedal is released.

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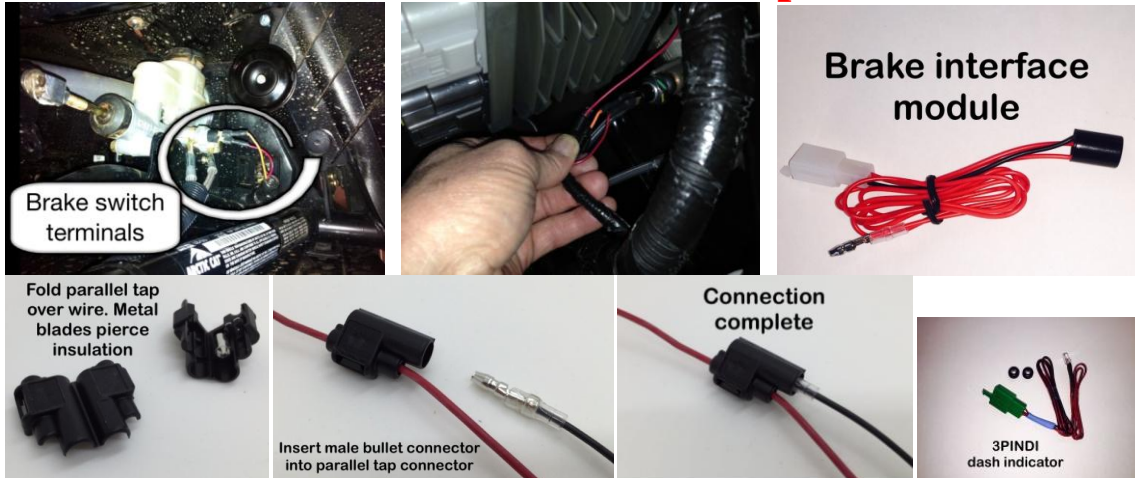
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Photo's show how the parallel tap is installed. Wire colors may not match your application.

10. Mark the desired locations for the two LED dash mounted indicator lights, taking into account the length of the LED wires and the location of the connectors on switch harness where the LED interface.

11. Drill two 9/32" mounting holes in the dash for the indicator LED's.

NOTE: Carefully insert the LEDs into the grommet to prevent damage to the wires and resistor. A little moisture or lubricant can be helpful when installing the LED's/ grommets.

12. Seat the rubber grommet into the hole, then push the LED into the holder from the rear until it is slightly protruding.

13. Install the front LED turn signal brackets by installing the clamps around the vertical tube, insert the wires into the slot behind the amber side reflector. Slip the brackets in place and secure with provided 6mm x 20mm fasteners.

14. Verify routing of the LED wires to ensure they are not damaged by the clamps. Secure with the clamps with the socket head cap screws and nuts.



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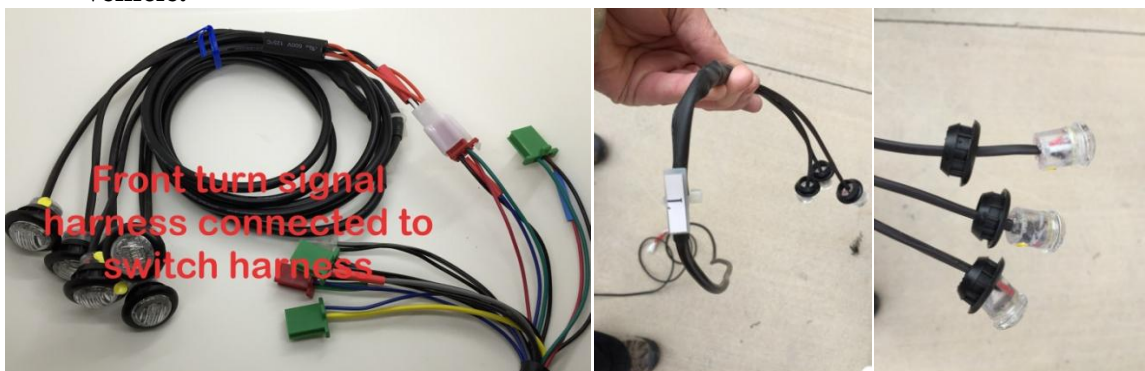
- 15. Trail and Sport models** Drill three 3/4" diameter holes in the body near each of the front headlights for the front LED's.



- 16. Connect the front turn signal harness to the 4 pin connector on the switch harness with the RED sleeve match marking.**

NOTE: Tags on the front turn signal harness. "L" is the drivers side and "R" is the passenger side.

- 17. Route the front turn signal harness triple LED's to the front corners of the vehicle.**



- 18. Slide the rubber flange gaskets that are on the LED's back onto the wires.**

- 19. Slip the LED's thru the hole in the LED bracket, fold the flange gasket and push it thru the hole. Install the flange gasket into the hole with the flange of the gasket towards the front of the vehicle. Insert the LED into the flange gasket with a gentle pulling and rocking motion, seat the LED into the gasket.**

NOTE: A little warmth and moisture helps to slip everything together.

- 20. Rotate the LED's within the gasket as necessary to orient them in the same relative position.**

- 21. Connect the rear turn signal harness to the 3 pin connector on the switch harness with the RED sleeve match marking.**

- 22. Remove the seats and the center tunnel cover. Route the rear wire harness from the rear of the vehicle to the front on the passenger side.**

NOTE: Insure the wiring does not contact moving components or hot surfaces.

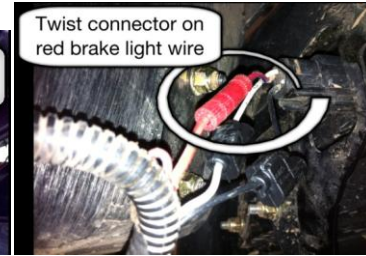
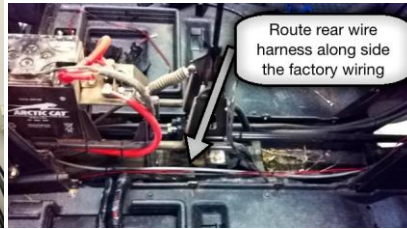
- 23. Route the rear turn signal harness to the rear of the vehicle adjacent the existing wire harness where possible.**

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24. Locate the wires where they enter the rear taillight connector. Expose the factory taillight red/blue wires and cut the red/blue wires approximately 3" in front of the connectors. Strip approximately 1/8" of insulation from the red/blue wires and install the red twist connector on the wire going to the tail light assembly as shown. Red harness wire connecting to the driver side trail light assembly red/blue wire and black harness wire connecting to the passenger side red/blue wire.

25. The cut red/blue wires going to the front of the vehicle are abandoned and should be tucked back into the factory wire harness sleeve and/or taped over with electrical tape.

26.

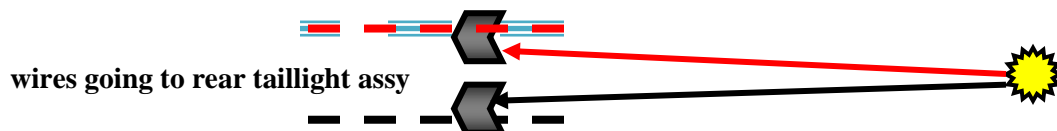
NOTE: Check orientation of parallel tap to insure access for the male connector prior to seating the parallel tap connector with pliers.

27. On the passenger side install parallel tap connectors on the black and white wires leading to the rear tail light connector.

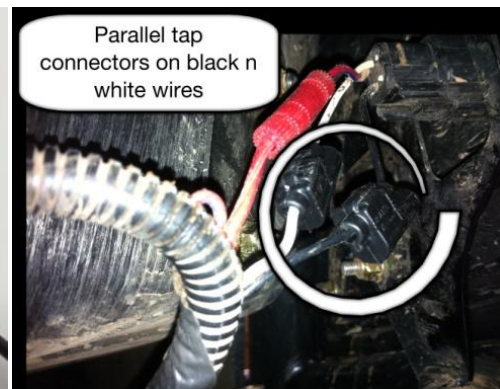
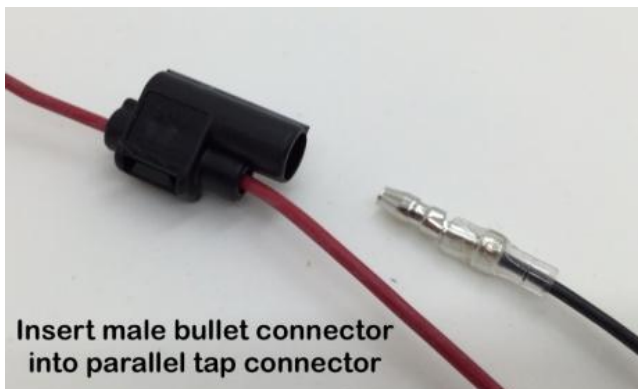
Red wire with white stripe on full sized / white on Trail and Sport models

LED voltage conditioner

LED plate light



Brown wire on full size wildcat / Black on trail and sport



28. Install the license plate holder approximately as shown with the provided clamps or it can be secured to the bed of the vehicle with the provided expandable nut and fasteners.

29. The plate light can be installed as one of the four license plate bolts, can be installed in the two hole adapter or installed directly in the body of the vehicle where the light will shine on the license plate.

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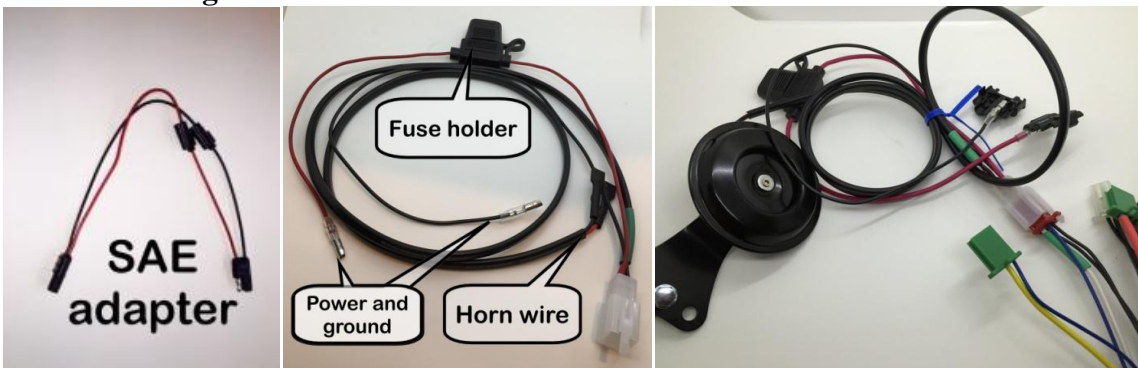


NOTE: LED lights are polarity sensitive. The positive side (red wire) must be attached to the white wire and the negative side (black wire) must be attached to black ground wire. The LED will not be damaged if installed backwards, but it will not illuminate.

30. Route the license plate light wires and connect to the parallel tap connectors. Red plate light wire to the white tail light wire and black plate light wire to the black tail light wire.

NOTE: Ensure the ignition is in the off position and the key has been removed.

31. Install provided SAE adapter to factory SAE plug the is located behind the dash, under the front hood.
32. Ensure the SAE adapter RED male connector mates with the factory plug red/orange or white wires.



33. Route the fused power wire and ground wires from the turn signal / horn switch assembly toward the center of the vehicle and plug the SAE connector into the parallel taps on the SAE adapter located in front of the firewall, under the front hood. (There are additional SAE adapters in the engine tunnel area and towards the rear of the vehicle, but you want to use the one located under the front hood near the firewall.)

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34. Plug RED fuse wire into parallel tap on the SAE adapter RED wire and the BLACK ground wire to the parallel tap on the SAE adapter BLACK wire .

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SAE adapter is located in front of the firewall, under the front hood.

35. Double check all connections prior to turning ON the ignition.
36. Once the cabling is in place, double check the routing and secure with wire ties. Bundle any extra wire and secure with the wire ties.
37. Turn ON the ignition and verify horn, brake light and turn signals functions.
38. Pull the hazard switch and verify that feature functions correctly.
39. Reinstall the tunnel access cover, hood and seats. Ride and enjoy!

NOTE: Front turn signal LED's are running lights and illuminate at approximately 60% intensity whenever the vehicle ignition is on and flash at full intensity when the turn signals are activated.

NEW - NOTE: Whenever the service brake is applied the brake lights will flash 6 times in the first second and then remain on until the brake pedal is released.

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