

"RYCOMOTO" Turn Signal / Horn Kit
BY RYCO MOTORSPORTS INC.

PN 4104

***Kawasaki Teryx-4 2011 thru 2015 and 2014 and
newer Teryx 2 seater***

STOP - THIS KIT IS DESIGNED SPECIFICALLY FOR 2011-2015 TERYX -4 AND 2014 AND NEWER TERYX 2 SEATER. IF YOUR MACHINE IS NOT ONE OF THESE 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.



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What tools do I need?

Tools needed: 10 mm socket/nut driver, Phillips screwdriver, 10 mm wrench, center punch, drill motor, 9/32", 3/4" and 7/8" diameter drills and pliers (or flat blade screwdrivers) to pull plastic push rivets.



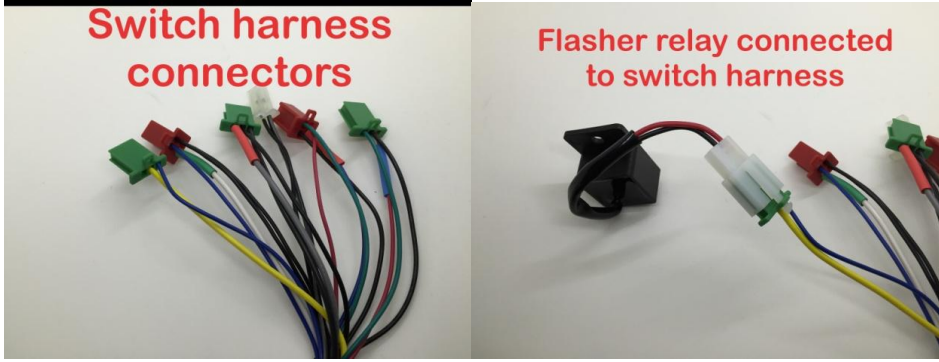
Let's get started.

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.
NOTE: 3 pin connector with two wires, left slot is not used.



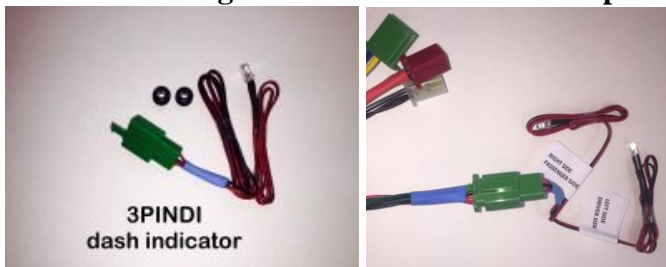
The horn, power (fuse holder) and ground wires interface is a 4 pin connector with **green** color coding.

The rear turn signal harness interface is a 3 pin connector with **red** color coding.
NOTE: 3 pin connector with two wires, center slot is not used.



The brake light 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.



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

Installation instructions

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

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.

1. Remove the top dash access cover by removing the plastic rivets and fasteners.
2. Position the turn signal switch and mounting bracket on the steering wheel housing and locate the bracket such that the holes are centered in the housing. Mark the location of the two mounting holes.
3. Drill two 1/2" diameter holes and install the two expandable nuts in the holes.



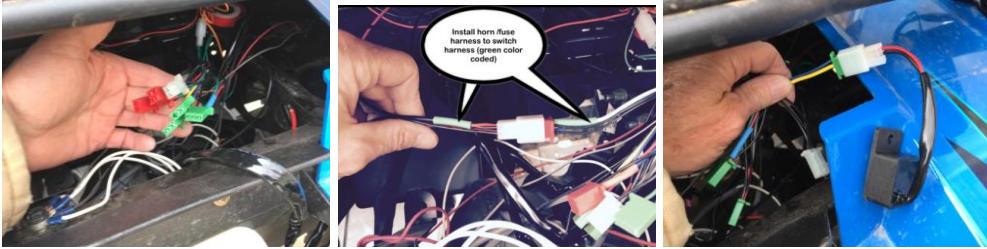
4. Temporarily mount the turn signal switch and mark the required location for the access hole for the switch harness.
5. Remove the switch and drill a 7/8" diameter hole in the plastic on the side of the housing where the cabling will enter the steering column housing.
6. Reinstall the turn signal switch and mounting bracket on the steering wheel housing.
7. Insert the wire harness connectors through the hole one at a time starting with the two red 4 pin connectors, then the three green 3 pin connectors and finally the white 2 pin connector.
8. Using a pair of scissors cut the grommet and place it over the switch harness and install the grommet into the cable access hole.
9. Route the turn signal / horn switch wiring through the opening on the steering column. Route the wires towards the center of the vehicle.
10. Install the flasher relay, horn and power (fuse) / ground harness, turn signal indicator harness and brake light module harness to the switch harness.

NOTE: Front and rear harnesses will be installed later.

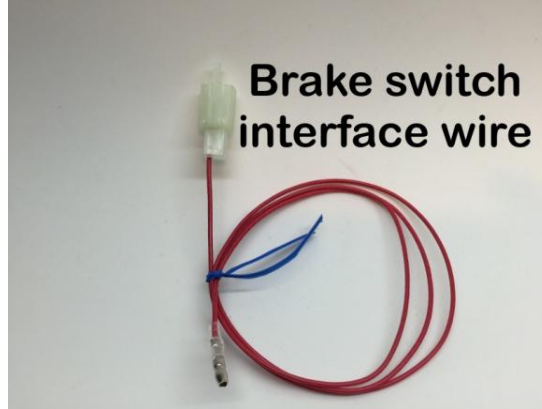
NOTE: Ensure the color coding is correct (Colored sleeve on the cables NOT the color of the connectors nor the color of the wires).

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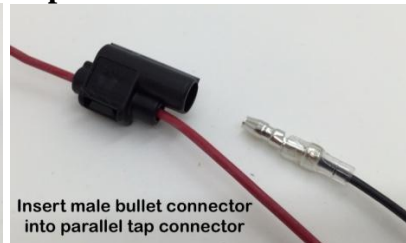
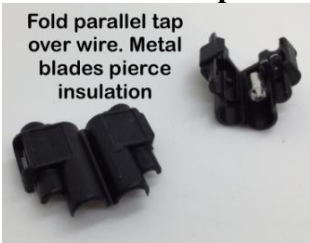
11. Secure the switch harness to a cross member using a cable tie. The flasher relay and can be bundled and secured with a cables tie to the switch harness.



12. Locate the wires leading to the vehicle brake switch. Trace the wires from the brake switch to the two pin connector.

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

13. Install a parallel tap on the vehicle blue wire.



14. Plug the brake switch interface wire to the parallel tap connector on the blue wire.

15. Route the fused power and ground wires to the back side of the auxiliary power outlet.

16. Insure the ignition key is in the off position and the key removed.

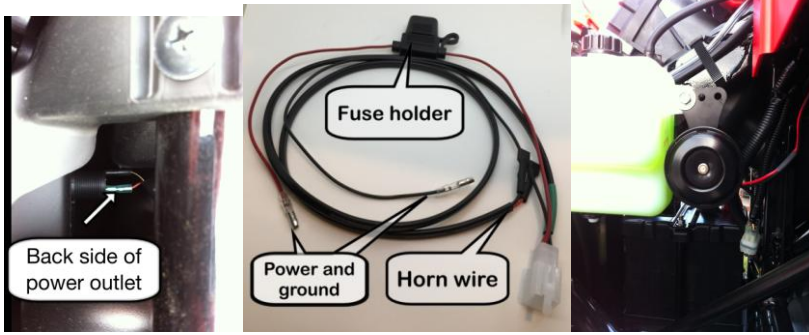
17. Locate the wires leading to the auxiliary power outlet.

18. Install a parallel tap on both the red or red/brown and black/yellow wires.

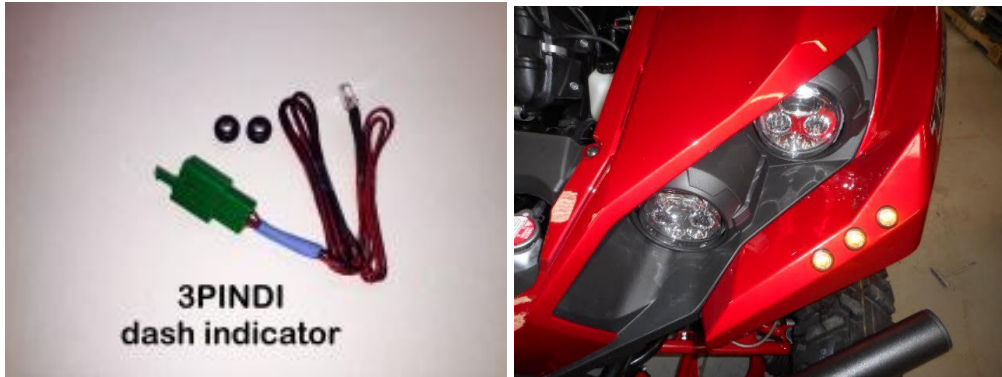
19. Plug the red wire on the horn, power (fuse holder) and ground cable into the parallel tap on the red, or red/brown wire.

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20. Plug the black wire on the horn, power (fuse holder) and ground cable into the parallel tap on the black/yellow wire.
21. Remove the fastener holding the coolant overflow tank and position the horn as shown and replace the fastener. Route the horn wires to the turn signal switch harness. Plug the red horn wire into the white switch wire and the black horn wire into one of the two double female connectors.



22. 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.
 23. 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. Note: A little moisture or lubricant can be helpful when installing the LED's/ grommets.
24. Seat the rubber grommet into the hole, then push the LED into the holder from the rear until it is slightly protruding. Plug the left LED red wire into the green switch wire and the right LED wire into the red switch wire. Plug the LED combined black wires into one of the double female connectors on the black ground switch wire.



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25. Mark the desired location of the three front LED's on the plastic below the headlights.

NOTE: A stepped drill works best to drill the holes in the plastic body work.

26. Drill three 3/4" diameter holes for the front turn signal LEDs on each side of the vehicle.

27. 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.

28. Route the front turn signal harness triple LED's to the front corners of the vehicle.

29. Slide the rubber flange gaskets that are on the LED's back onto the wires.

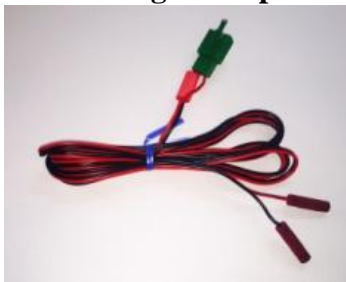
30. Slip the LED's thru the 3/4" diameter holes, fold the flange gasket and push it thru the hole. Install the flange gasket into the hole with the flange of the gasket towards the front of the vehicle. Insert the LED into the flange gasket with a gentle pulling and rocking motion, seat the LED into the gasket.

NOTE: If you don't want the black flange to show around LED's you can remove the flange gaskets and reverse them so the flange portion is to the rear of the panel.

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

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

32. At the turn signal switch harness connect the rear turn signal wire harness to the green 3 pin connector with RED match marking.



Rear turn signal harness

33. Locate the vehicle rear taillight wire harness. At the point where the cable assembly splits in the two taillights expose the two blue wires.

34. Cut the two wires approximately 2-3" after the tee. Strip approx. 3/16" of insulation from each blue wire on the taillight side.

35. Route the rear LED cable adjacent to the existing cabling leading to the rear of the vehicle.

36. Remove the end cap from the red crimpless connector and install the blue wire from the left taillight to the red turn signal switch wire and the right taillight wire to the black turn signal switch wire.

NOTE: LED lights are polarity sensitive. The positive side (red wire) must attached to the 12 volt source and the negative side (black wire) must be attached to ground.

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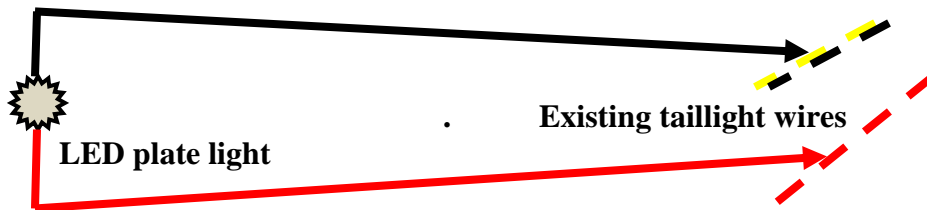
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NOTE: The LED will not be damaged if installed backwards, but it will not illuminate

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

37. The plate light may be installed as one of the 4 plate holder bolts or mounted to the side of the plate holder utilizing one of the provided 2 hole taps
38. Expose the black/yellow and red wires leading to the taillight assembly and install a parallel tap connector on each wire.



39. Plug the LED plate light red wire into the parallel tap on the vehicle red wire.
40. Plug the LED plate light black wire into the parallel tap on the vehicle black/yellow wire.

Note: Double check all connectors prior to turning ON the ignition

41. Turn ON the ignition and verify the horn and turn signals function.
42. Turn ON the headlight switch and the verify plate light is illuminated, verify turn signals and brake light functions correctly. Pull the hazard switch and verify that feature functions correctly.

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

43. Secure all wires with provided wire ties.
44. Reinstall the dash access cover.

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rycomoto@gmail.com 801-643-3440