## 11 ACCESSORIES

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INSTALLING THE REAR RACK
That rear rack adds cargo-carrying capacity to your RCR or CTY. Use the grab bar to maneuver your bike around and the side braces will stabilize your saddle bags.

TOOLS
- 10MM SOCKET
- 13MM SOCKET
- 5MM ALLEN
- 10MM WRENCH

REAR RACK

GRAB BAR
SHOCK MOUNT
SADDLE BAG SUPPORTS
1. Remove seat mount nuts and remove seat.

2. Loosen the top shock bolt nuts.

3. Slide top shock bolt out of the frame completely.

4. Place rack on frame.
5. Install rear mounting hardware finger tight.

6. Lift frame back up and slide the top shock bolt back through shocks, rack, and shock tube.

7. Install only the outer washer and acorn nut on either side.

Be sure to leave out the inner washers. The rack will provide the proper spacing.
8. Tighten the acorn nuts to 30 nm using a torque wrench while holding the other acorn nut.

9. Tighten rear mounting hardware to 13nm using a torque wrench.

10. Reinstall seat.
TURN SIGNALS

The original RCR Motorbike does not come with turn signals (indicators) on the front or rear, but it does have a switch and the requisite wiring pre-installed. However, the turn indicator connector on the wiring harness may not conform to some ONYX wiring schematics, so it can be tricky to get all the wiring right if you’re a novice at electrical work.

This guide lays out instructions for a typical way to get turn indicators working on your RCR in a way that does not require any relay or soldering. It does not assume the reader has any background in electronics, and it does not discuss what is happening from a technical standpoint.

Turn Signal Specifications

<table>
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<tr>
<th>ITEM</th>
<th>SPECIFICATION</th>
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<tbody>
<tr>
<td>Turn Signal Kit</td>
<td>(2) sets of two LED turn signals, front and rear</td>
</tr>
<tr>
<td></td>
<td>Rear turn signal brackets</td>
</tr>
<tr>
<td></td>
<td>Turn signal wiring harness</td>
</tr>
<tr>
<td></td>
<td>(8) male bullet connectors and plastic insulators</td>
</tr>
</tbody>
</table>

PLEASE READ THIS AND THE ENTIRE DOCUMENT FIRST BEFORE PROCEEDING.

SAFETY of the rider and surrounding people are PRIORITY ONE! The information in this Service Notes document is intended to be used by skilled technicians with reasonable knowledge and experience servicing bicycles and motorbikes.

If any terminology, steps, or process in this procedure is not clearly understood, DO NOT ATTEMPT the procedure, and contact ONYX Motorbikes for help: 805-322-1991
WIRING HARNESS (2018—present)

TURN SIGNAL CONNECTOR
6-PIN MALE

TAIL LIGHT WIRING

GROUND

TURN SIGNAL

SIGNAL MOUNTING NUT
LOCK WASHER
LED TURN SIGNAL
INSTALLING TURN SIGNALS

Turn signals will make your ride significantly safer. Signals help you communicate to other motorists where you are going. Don't let the tiny size of our signals fool you, they are ridiculously bright.

1. Remove seat.

2. Remove battery cover.

3. Remove all (10) panel bolts.

TOOLS

- TURN SIGNAL KIT:
  - 4 SIGNALS
  - 2 BRACKETS
  - SIGNAL WIRING HARNESS
  - 8 BULLET CONNECTORS & INSULATORS
- 10MM SOCKET (SEAT)
- 3MM ALLEN (SIDE PANELS)
- 8MM WRENCH FOR TURN SIGNAL NUTS
- 14MM SIGNAL HARNESS GROUND LEAD TO BATTERY
- WIRE STRIPPERS
- CRIMPERS (BULLET CONNECTORS)
- (8) MALE BULLET CONNECTORS & PLASTIC SLEEVES
- 5MM DRILL BIT
- DRILL
- ELECTRICAL TAPE
- HEAT SHRINK (optional)
- SPRING-LOADED PUNCH (optional)
4. Turn off the battery and disconnect at the red Anderson connectors.

5. Locate the open turn signal connector (male, 6-pin) on the main harness.

6. Plug in the ground lead to the remaining open slot. Tug to make sure the ground lead is secure in the turn signal connector. Route the ground lead to the right side and the terminal block.

7. Using a 14mm wrench, loosen the ground terminal on the battery block. Slip the ground lead ring on to the ground post of the terminal block. Follow with the washer, lock washer and nut. Tighten down.
8. Remove signal harness kit from packaging and plug into the main harness.

9. Remove taillight and pull its wiring out.

10. Separate the rear signals from the harness and route them through the rear frame.

11. Following the taillight wiring, feed the rear turn signals through the frame until they exit the rear. Remove the tape.

12. Remove rear signal brackets from the bag. Mount turn signals onto the brackets using the smaller of the two holes.

13. Hand tighten the nut. Leave enough play to position the signals when they are on the bike.

Rear Signals

Before routing the wires, tape them together so they feed through the frame easier.
14. Strip down the signal wires to 3-4mm of exposed wire. Slip on insulator and crimp on bullet connectors.

15. Wrap each set with electrical tape to ensure they don’t disconnect during your ride.

16. Reassemble the taillight with signal brackets facing backwards.

17. Angle turn signals to align with the taillight. Hold in place while tightening the mounting nut on the backside of the signal.
Front Signals

2021 UPDATE: Turn signals now include brackets for the front set. SKIP steps 18-21. Install your brackets on the bolt that hold the headlight ears to the fork tubes.

18. Drill your signal mounting holes. Pre-mark your drill spot on the headlight ears with (recommended) spring loaded punch so your drill bit doesn’t wander.

It is up to your discretion where you mount the signals.

19. Starting with a smaller pilot hole (2.5 mm bit) and work up to a 5mm bit.

Hold the drill steady to your guide mark. Go slow to avoid punching through the headlight ear and smashing the headlight.

20. Route the wiring harness through the left front hole of the frame.

21. Route signals through the drilled mounting holes and hand tighten the mounting nut.

Add heat shrink to protect the wires before install.

Mount the signals before stripping and crimping the bullet connectors.
### TURN SIGNALS

<table>
<thead>
<tr>
<th>Left Signal Wiring</th>
<th>Right Signal Wiring</th>
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<tbody>
<tr>
<td>PURPLE—RED</td>
<td>RED—RED</td>
</tr>
<tr>
<td>BLACK—BLACK</td>
<td>BLACK—BLACK</td>
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22. To ensure proper connection, strip down the signal wires to 3-4mm of exposed wire. Slip on insulator. Crimp on bullet connectors.

23. Align signals with headlight and tighten.

24. Wrap each connected set with electrical tape to ensure they don’t disconnect during your ride.

25. Route the signal wires along the headlight wires secure with a zip tie. Make sure to leave enough slack in all wires to turn the bars from side to side without pulling tight those wires.

26. Plug the battery back in via the red Anderson connectors. Turn the bike on. Test the signals!

27. Reassemble by installing the side panels, cover, and then seat (reversing Steps 1—3).