

GEOTAB®

HRN-RW03K4

HRN-RW03K4 Prerequisite guide.

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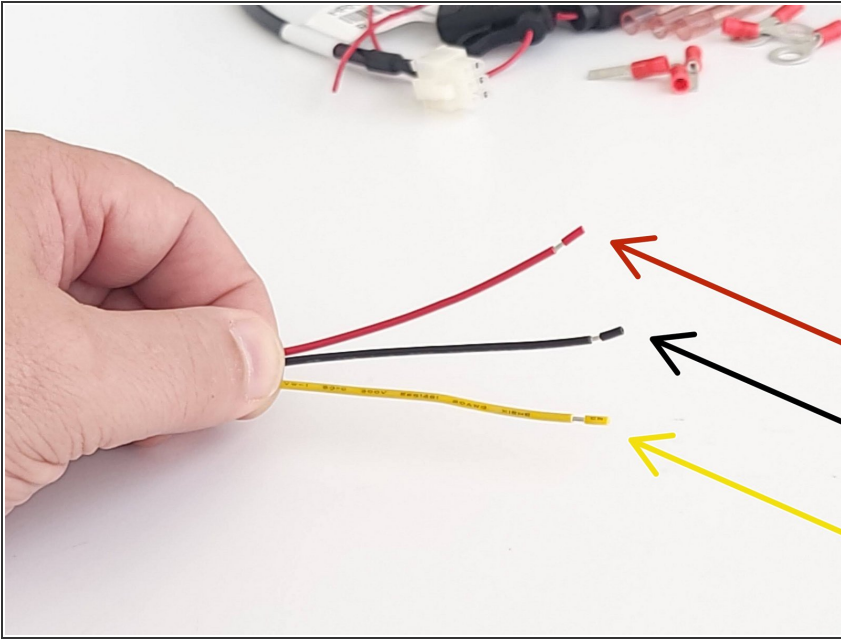
 TOOLS:

- 1/4" Metric socket set with ratchet or driver (1)
- Flush cutter (1)
- Proffesional grade wire crimpers & cutters (1)
- Wire stripper (1)
- Cordless Drill (1)
- DMM (1)
- Heat Gun (1)

 PARTS:

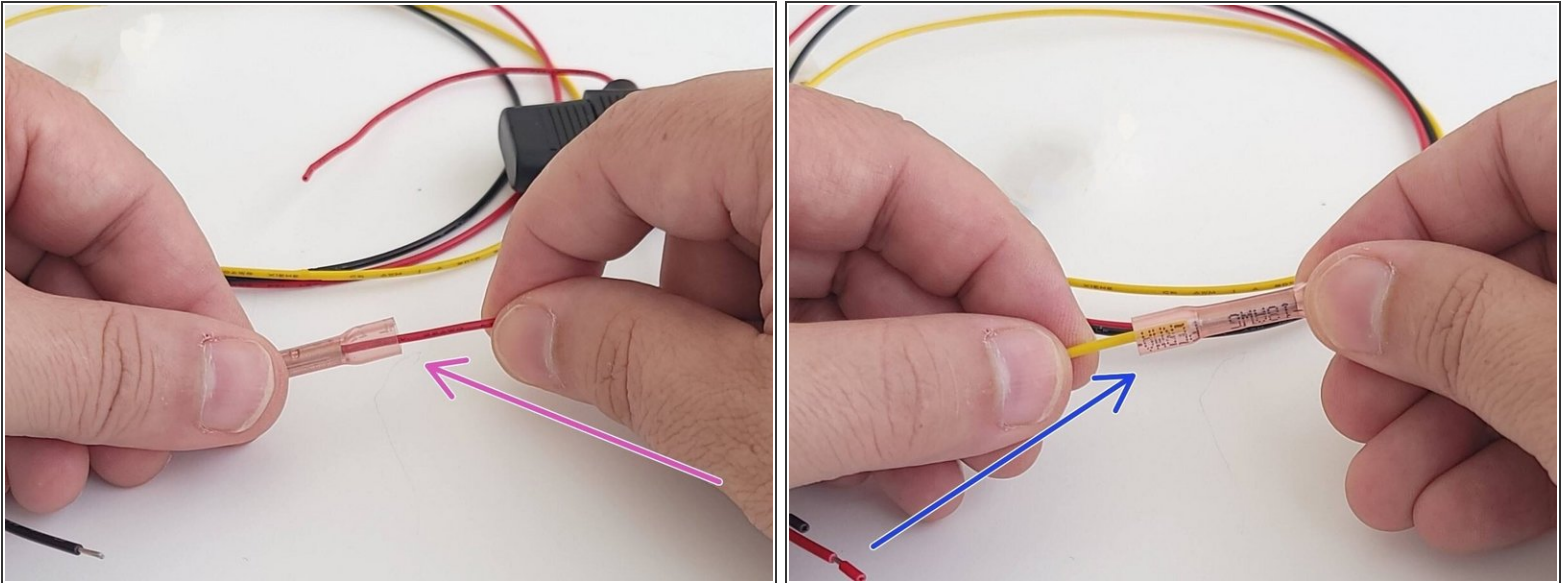
- Go9 Rugged (1)
- HRN-RW03K4 - 3-wire harness kit for GO RUGGED (1)

— Harness Assembly

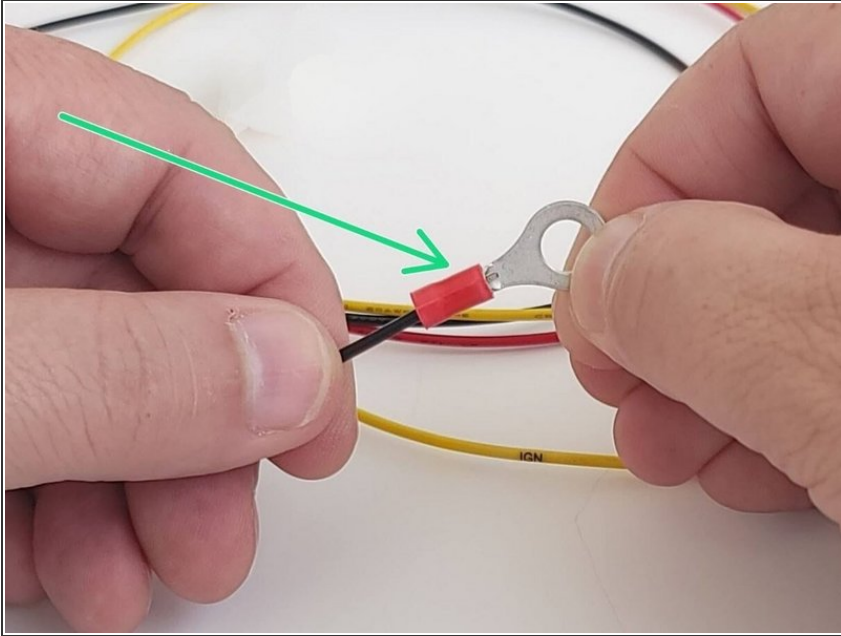


- There are **3 wires** which must be connected.
 - **Red**
 - +12/24V Constant power must be connected to a true battery source (live at all times).
 - **Black**
 - Must be connected to a verified ground.
 - **Yellow**
 - Ignition sense wire must be connected to a true ignition source.
 - +12/24V when the key is in both ON and Run positions, 0 when in Off position.

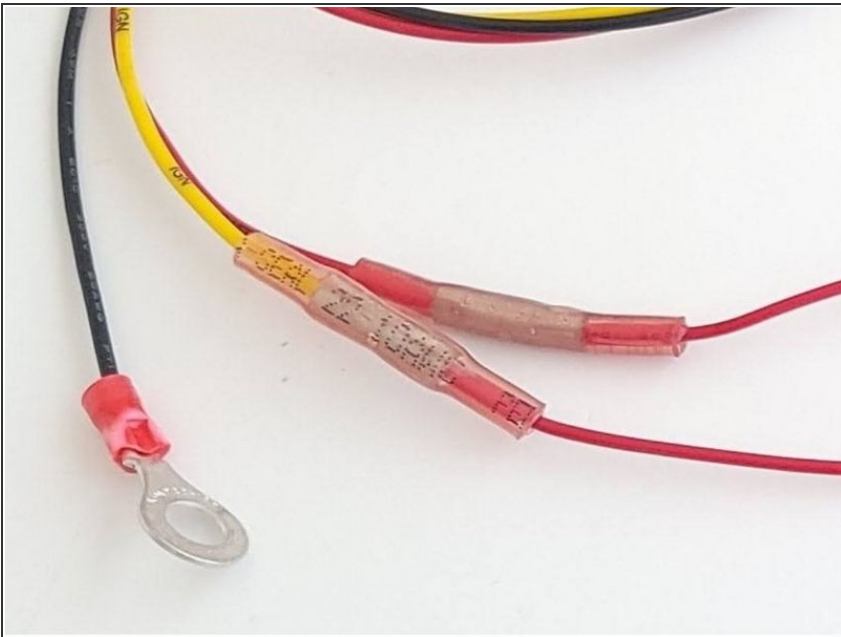
— Crimping wires



- Using your [wire crimpers](#), attach the fuse holders on to the Red and Yellow wires using the included parts.
- ① The wires should come with the insulation pre stripped; ready for crimp on connectors.
- Crimp one of the included **butt splice** connectors on to the end of the **Yellow** wire.
- Crimp the **open end** from the previous step onto one end of the **Fuse holder**.
- Using a [heat gun](#), or other heat source, **heat shrink** the **butt splice connectors**.
- ① Repeat the above steps for the **Red** wire.
- ① The remaining blunt cut end from the fuse holder will be what is connected to the vehicle.



- Using your [wire crimpers](#), crimp the **ring terminal** on to the **Black** wire.



- The assembly should look like this.

⚠ **Geotab does not recommend terminating to unknown circuits! Appropriate reference information is highly encouraged.**

- ☑ Known and publicly available publishers for automotive electrical & electronics: [Fortin's Wire Color](#), [Alldata DIY](#), [Mitchell 1 DIY](#).

— Red Battery Wire



- Locate and verify a constant +12/24V Battery source.

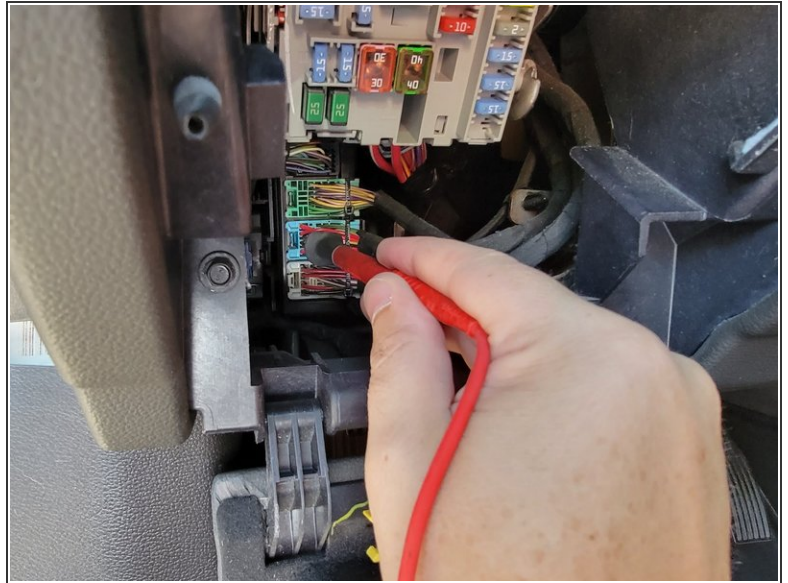
⚠ **Always use a [Digital Multi Meter](#).**

- ① A suitable battery source will have +12/24V at all times, just like if you were to be connected directly to the battery.

① **Typical locations**

- ☑ Ignition switch.
- ☑ Fuse and power distribution panels.

— Yellow Ignition Wire



- Locate and verify a +12/24V Ignition source.

⚠ **Always use a [Digital Multi Meter](#).**

- ① A suitable Ignition source will have +12/24V while the vehicle's key or button is set to on/run and 0V when set to off.

① **Typical locations**

- ☒ Ignition switch.
- ☒ Fuse and power distribution panels.

— Black Chassis Ground Wire



- Connect the ring terminal to a verified ground using a self tapping screw (not included) or existing bolt.
- ① The surface may need to be prepared prior to connection.
 - ✦ The ground surface should be bare metal.
 - ✦ Remove any paint, corrosion, or other coating if present.
- ① Most heavy structure in the dash area is suitable to use as a ground. Always test using a [DMM](#).
- ① Star washers and serrated head screws are recommended. (*not included*)



- Once all 3 wires (*Red, Black, & Yellow*) are connected to the vehicle:
- Plug the fuse holder side and the device side of the **HRN-RW03K4** harness together.