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PART NO. 16-125

UNIVERSAL TRAILER WIRING HARNESS

UNIVERSAL FITMENT

5/24/2018

TOOLS NEEDED: WIRE CUTTER/CRIMPER

PLIERS

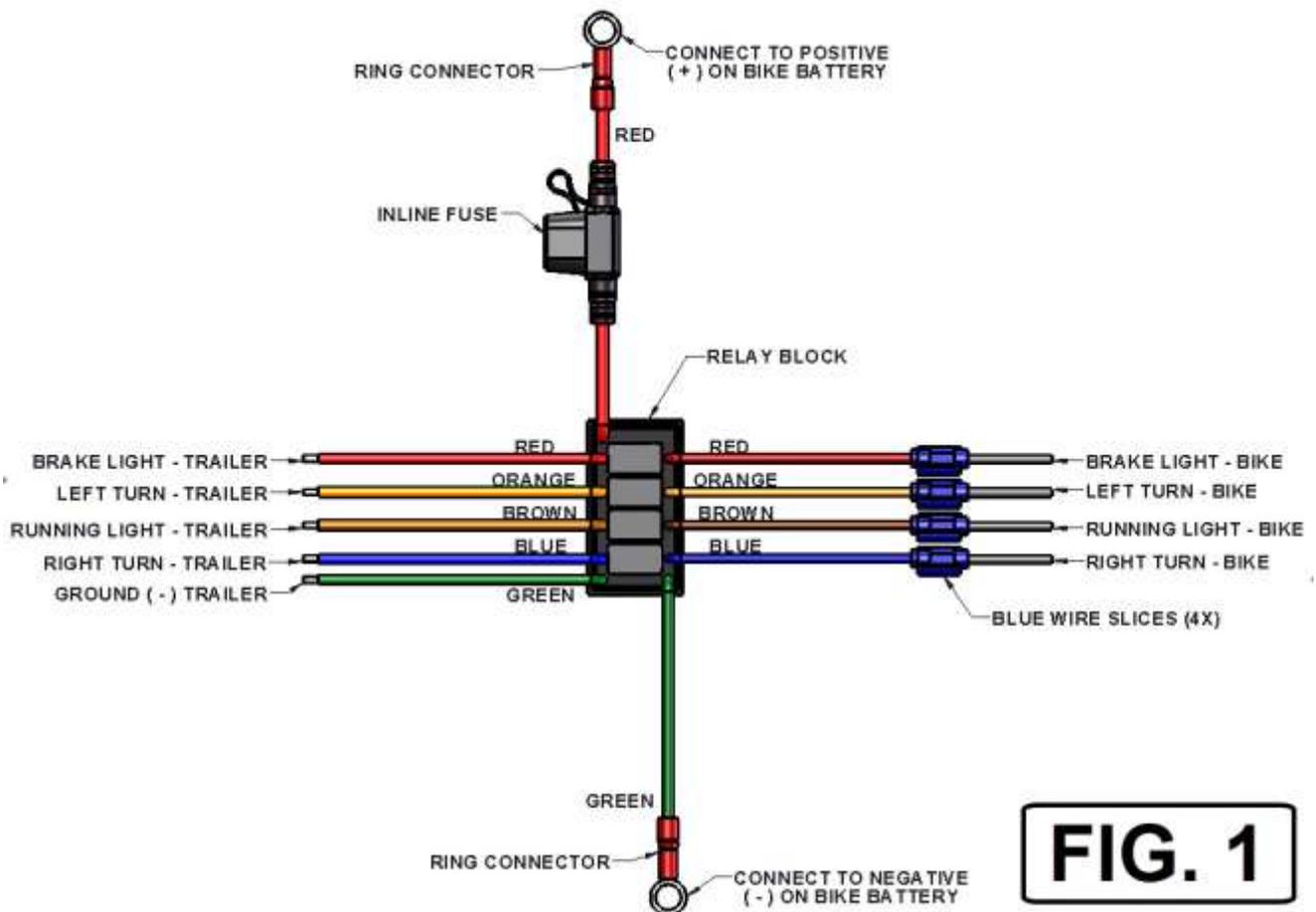
RUBBING ALCOHOL

CLEAN TOWEL

**PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING. (SEE PAGE 2 FOR 2018 GOLDWING)**

### UNIVERSAL INSTALLATION:

1. DISCONNECT BOTH THE POSITIVE AND THE NEGATIVE CABLES FROM THE BATTERY.
2. FIND A PLACE ON THE BIKE TO MOUNT THE RELAY BLOCK. TYPICAL INSTALLATION WOULD BE TO MOUNT IT UNDER THE DRIVERS SEAT.
3. USING A CLEAN TOWEL AND RUBBING ALCOHOL CLEAN THE AREA ON THE BIKE WHERE YOU ARE GOING TO MOUNT THE RELAY BLOCK. LET DRY.
4. REMOVE THE MASKING FROM THE DOUBLE-SIDED TAPE ON THE BACK OF THE RELAY BLOCK AND MOUNT THE RELAY BLOCK ON THE BIKE.
5. TAKE THE GROUP OF WIRES THAT HAS THE BLACK PVC CASING AROUND THE FIVE WIRES AND ROUTE THEM THROUGH THE BIKE AND NEAR THE BALL ON THE BIKES TRAILER HITCH. THIS GROUP OF WIRES IS SHOWN BELOW ON THE LEFT SIDE OF THE RELAY BLOCK.
6. USE SOME OF THE WIRE TIES SUPPLIED WITH THE HARNESS TO SECURE THE WIRES GOING TO THE TRAILER HITCH.
7. USING THE BLUE WIRE SLICES SUPPLIED WITH THE HARNESS CONNECT THE FOUR WIRES SHOWN BELOW ON THE RIGHT SIDE OF THE RELAY BLOCK TO A CORRESPONDING LIGHT WIRE ON THE BIKE. *NOTE: KEEP AS MUCH OF THE GREASE IN THE SLICES AS POSSIBLE TO HELP STOP CORROSION.*
8. ROUTE THE RED AND GREEN WIRES TO THE BATTERY ON THE BIKE AND CUT THEM TO THE LENGTH NEEDED.
9. CRIMP A RING CONNECTOR ON THE END OF BOTH THE RED AND THE GREEN WIRES.
10. RECONNECT THE BATTERY CABLES AND CONNECT THE TRAILER HARNESS CABLES TO THE BATTERY. RED TO POSITIVE TERMINAL AND GREEN TO NEGATIVE.
11. USE THE REMAINING WIRE TIES TO SECURE ANY LOOSE WIRES ON THE HARNESS.



**FIG. 1**

## 2018-NEWER GOLDWING INSTALLATION:

1. OPEN BOTH SADDLEBAGS AND REMOVE BOTH SIDE PANELS.
2. USING A 6MM ALLEN WRENCH REMOVE THE TWO BOLTS HOLDING THE SEAT TO THE BIKE.
3. UNPLUG THE SEAT CONNECTOR ON THE RIGHT SIDE AND REMOVE THE SEAT.
4. FIND A PLACE UNDER THE SEAT TO MOUNT THE RELAY BLOCK. CLEAN THE AREA AND ATTACH THE BLOCK TO THE BIKE.
5. ROUTE THE FIVE WIRE GROUP THROUGH THE BIKE TO THE BACK OF THE BIKE NEAR THE TRAILER HITCH.
6. LOCATE THE TWO CONNECTORS UNDER THE SEAT SHOWN IN FIG. 2.
7. REMOVE SOME OF THE TAPE ON THE FRONT SIDE OF EACH CONNECTOR TO EXPOSE THE COLORED WIRES.
8. USING THE SUPPLIED SLICES CONNECT THE RED WIRE FROM THE RELAY BLOCK TO THE GREEN WITH A RED STRIPE WIRE ON THE LEFT SIDE OF THE BIKE.
9. ON THE LEFT SIDE CONNECT THE ORANGE WIRE FROM THE RELAY BLOCK TO THE ORANGE WIRE ON THE LEFT SIDE HARNESS.
10. ON THE LEFT SIDE CONNECT THE BROWN WIRE FROM THE RELAY BLOCK TO THE BROWN WIRE WITH A WHITE STRIPE ON THE LEFT SIDE HARNESS.
11. ON THE RIGHT SIDE CONNECT THE BLUE WIRE FROM THE RELAY BLOCK TO THE LIGHT BLUE WIRE ON THE RIGHT SIDE HARNESS.
12. ROUTE THE RED POWER WIRE AND GREEN GROUND WIRES TO THE BATTERY AND CUT TO LENGTH AS NEEDED.
13. CRIMP THE SUPPLIED RING CONNECTORS TO THE ENDS OF EACH WIRE.
14. CONNECT THE RED WIRE TO THE POSITIVE TERMINAL ON THE BATTERY FIRST AND THE GREEN TO THE NEGATIVE.
15. ATTACH THE BIKE SIDE TRAILER CONNECTOR TO THE FIVE WIRES COMING OUT THE BACK OF THE BIKE. *NOTE: TRAILER CONNECTOR NOT INCLUDED.*
16. CONNECT TRAILER AND TEST FUNCTION OF THE LIGHT.

