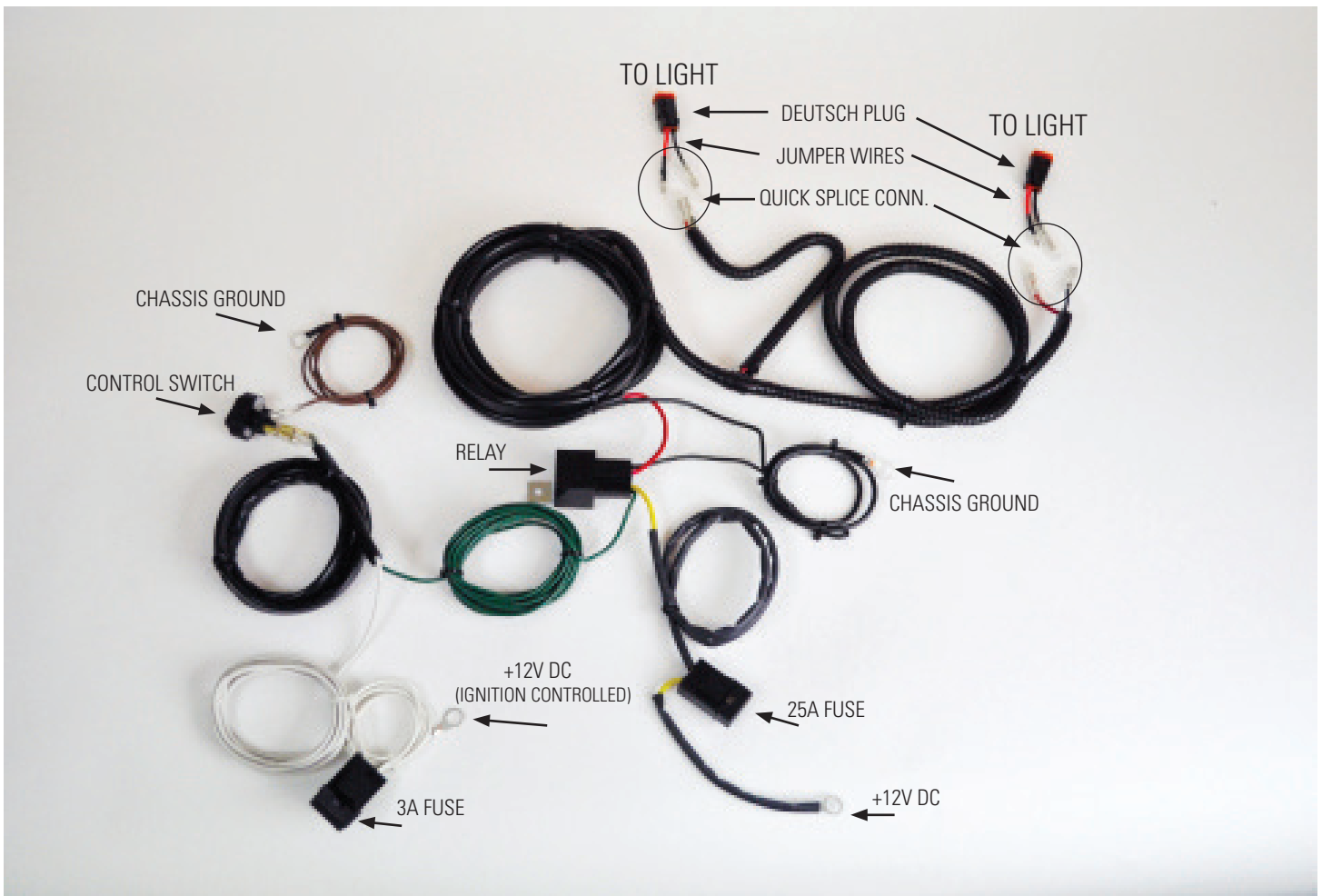## Installation Guide - #42112 Dual Off-Road Light Kit

Disclaimer – Golight GXL Off-Road Lights are not approved for road or highway use.

This kit has been designed for installation of two Golight GXL Off-Road Lights on a vehicle light bar, bull bar or other mounting configuration of your choice. It includes a fuse for the power connection and a control switch with a built-in indicator light. The wiring harness is configured with removable jumpers on the light end that allow the wire to be routed through smaller diameter tubing.

Each Kit Contains:
*   2 – GXL OFF-ROAD Lights (Model 4211)*
*   1 – Plug & Play Harness (Model 42199)*

INSTALLATION

1)   Mount the two GXL Off-Road lights in preferred location. Follow instruction guidelines included with the lights with the exception of the 'Electrical Connection' section which does not apply.

2) Before beginning the electrical installation, familiarize yourself with the components of the wiring harness shown in Figure 1. Note that you will need to locate a +12V DC power source for the relay yellow wire capable of the 25A load. The control switch white wire needs a +12V DC power source that is ignition controlled. This will ensure that the lights shut off automatically when the ignition is turned off.

3) Select a mounting location for the relay in the engine compartment. This location should be within 22 inches of the high amperage +12V DC power source. Check that this location will allow adequate length for the wiring to the lights and for wiring to the control switch in the cab.

4) Mount the relay and connect the ring terminal on the yellow wire to the power source.

5) Route the red and black wires with quick splice connectors as needed to the lights. It may be helpful to use mechanic's wire as fish tape to pull these wires through tight spaces. Use black electrical tape to temporarily connect the red and black wires to the mechanic's wire for the routing.

6) Connect the quick splice connectors on the jumper wires to those on the wiring harness, red-to-red and black-to-black.

7) Connect the Deutsch plugs on the jumper wires to those supplied on the GXL Off-Road Lights.

8) Connect the ring terminal on the black wire from the relay to a chassis ground.

9) Detach the three wires and mounting nut from the control switch.

10) Select a mounting location for the control switch. Drill a 7/16 inch hole. Note the terminal markings on the back of the switch. Install the switch and tighten the mounting nut.

11) Connect the ring terminal on the white wire to +12V DC supply that is only hot when the ignition switch is on. Normally this connection is in the engine compartment.

12) Route the green wire and white into the cab through a bulkhead grommet.

13) Connect the brown wire to a chassis ground connection.

14) Reattach the white wire (terminal marked 'Supply'), green wire (terminal marked 'Load') and brown wire (terminal marked 'Earth') to the switch.

15) Reinstall the 3A (white wire) and 25A (yellow wire) fuses.

16) Test the lights with ignition on and control switch on.

17) Aim lights as desired.