LED Driving Light Set For
2014 & Newer Can-Am Spyder RT
CA006-RT

1. Lay-out and familiarize yourself with the components supplied with this set.

2. Remove the left mirror by pulling firmly outward on the bottom of the mirror - then upwards, and unplug the wires from the mirror and set aside. Remove the four T20 Torx screws from the center section of the dash or gauge panel (Photo 4A). Turn the handlebars all the way to right and pull the panel outward, exposing the wires and gauges.

3. Remove the T-25 Torx screws from the front of the fenders where the light mounting brackets will attach (Photo 1B). The lights differ only by which direction the smaller acorn nut on the lights' pivot brackets are installed. Install the lights with this nut facing inward as shown in photo (1A). Place the Torx bolt through the hole of the light bracket, then one of the supplied washers (Photo 1C). Place a drop of Loc-Tite or similar thread locker on the screw threads. Install the lights and bracket assembly with washer onto the fender as shown, and tighten the Torx screw securely.

4. Open the forward storage compartment lid. Unzip the liner and remove the battery cover. Remove the left triangular black plastic cover just to the rear of the lid (Photo 2 area) by pulling up on the plastic rivets center pin (Photo 2A shows location of rivet), removing the entire rivet – and then removing the cover.

5. Using the cable ties supplied, secure the wires from the lights to the brake hoses - then follow the wires and hose along the suspension "A" arms towards the center of the frame, securing about every 6". Continue routing the wires up to where the cover was removed in the last step.

6. Referring to photo (2) and the wiring diagram - split the two wires in each cord apart from one another. Strip a small amount of insulation from the end of each wire. Notice that one wire in each cord is a silver color (these will be the ground wires) and one is a copper or red color (these will be the positive or power wires). Locate the supplied relay (Photo 2B). Cut the two red or copper colored wires to the desired length, strip and crimp both into one of the supplied female blade terminals, and then connect to the relay terminal 30 or 87 as shown.

7. The remaining two silver colored wires are the grounds, and they will attach to the 6mm stud on the frame as shown in photo (3A). Cut these two wires to the desired length, then strip and crimp both into one of the supplied bare ring terminals. Locate the supplied 8" ground wire with a ring terminal at one end. Attach the ring terminal of this wire and the ground wires from the lights to the 6mm frame stud as shown in photo (3B) and secure, using the 6mm nut supplied. Referring to the wiring diagram, connect the other end of the 8" ground wire to the relay terminal 85 or 86.

8. Locate the supplied wire with fuse holder. Connect this wire to the battery positive (+) terminal. Route the other end of the wire out the rear of the battery compartment and up to the relay. Connect the wire to the relay's terminal 30 or 87. Replace the battery cover and zip up the liner.

9. Carefully unplug the wires from the fuel gauge on the left side of the dash as shown in photo (5). Referring to photo (4B), make a mark for the switch hole about 1' down and ¾" back from the bends in the dash panel and drill a 7/16" hole as shown. Unscrew the rubber cap from the switch. Place the switch with the small "O" ring on the base of the threads into the rear of the dash panel - then install the rubber cap, and with the wires from the switch facing downward, tighten the cap.

10. Locate supplied Scotch-Loc splice connector. Connect the short wire from the switch to the single wire with the red terminal going to the fuel gauge as shown in photo (5A). Route the long wire from the switch out to the left through the fairing towards the rear of where the mirror mounts. Using a stiff wire or wire coat hangar with a small loop bent on one end as a "fishing wire", route the switch wire behind the bodywork, down to the relay. Cut the wire to the desired length, strip and crimp on one of the supplied female spade terminals. Connect this wire to the relay's terminal 85 or 86. Turn on the ignition switch, then the push button switch for the lights and test their operation. Should the lights not come on, check the ground wires carefully as the paint on the frame can act as an insulator and prevent a solid or good ground. Also check that all connections to the relay are made to the proper terminals.

11. Secure the relay and other loose wires to the frame or a wire harness using the remaining supplied cable ties. Replace the dash panel, black triangular panel and mirror. Adjust or aim the lights as needed by loosening their mounting and pivot screws, and then retighten.


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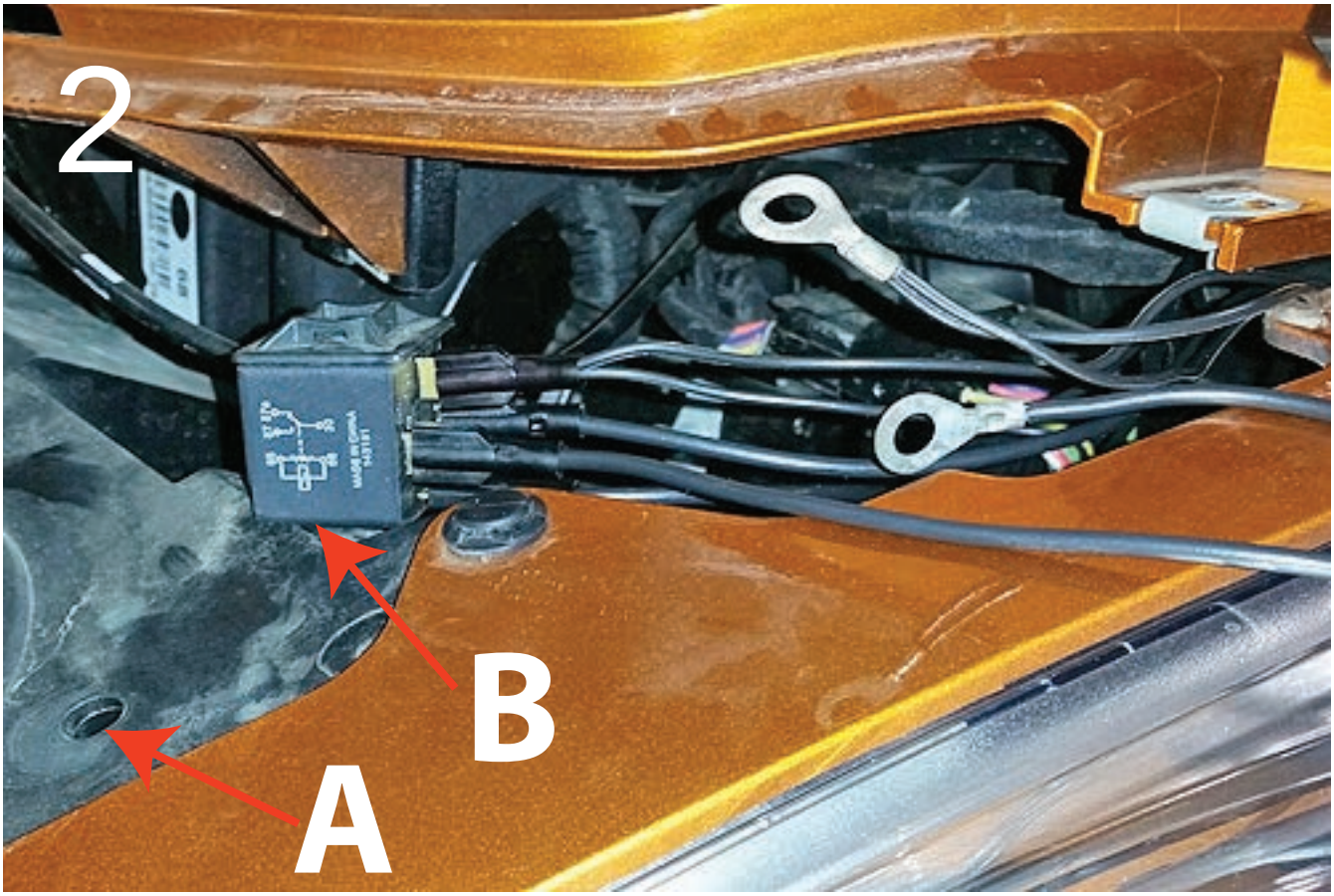
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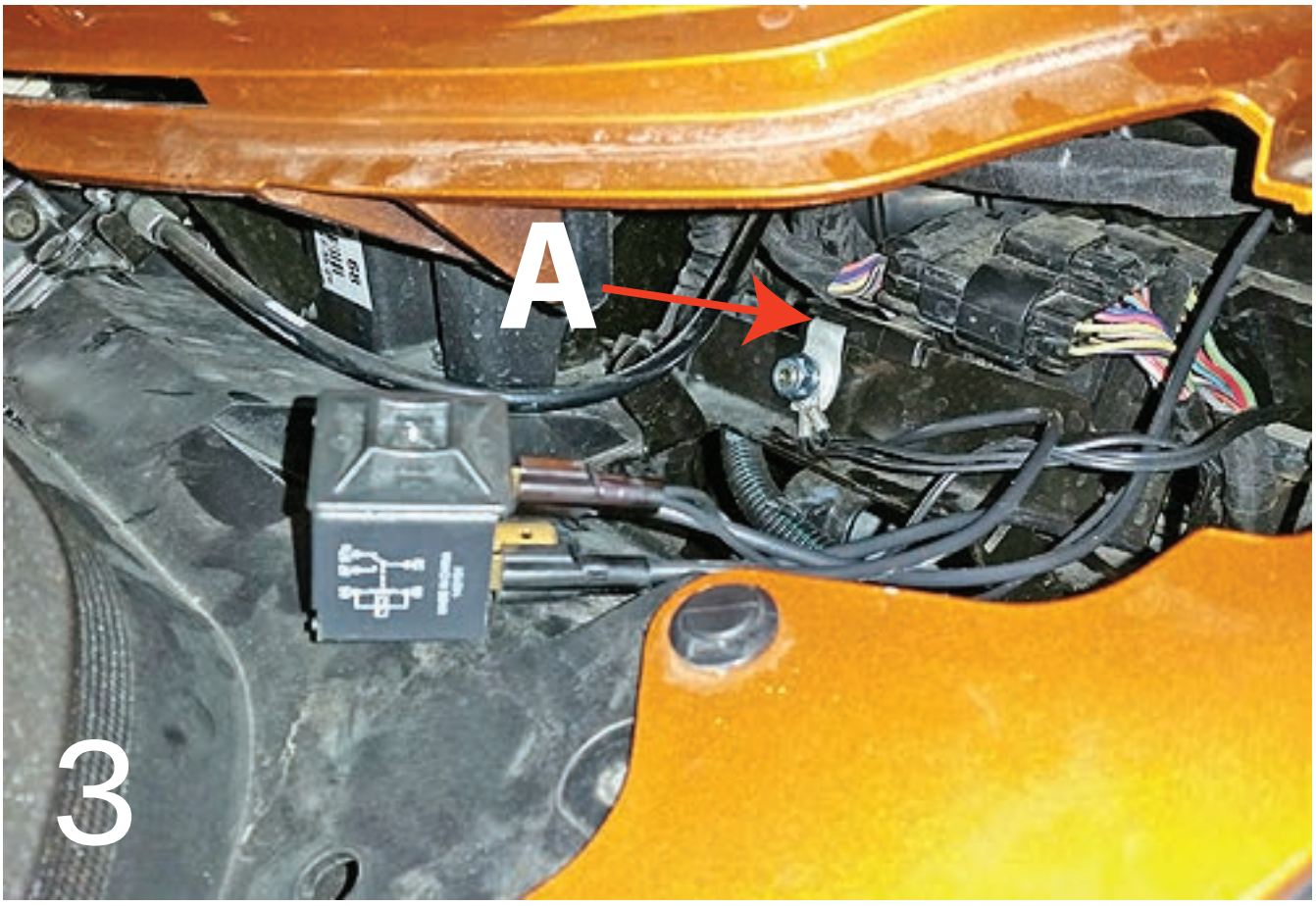
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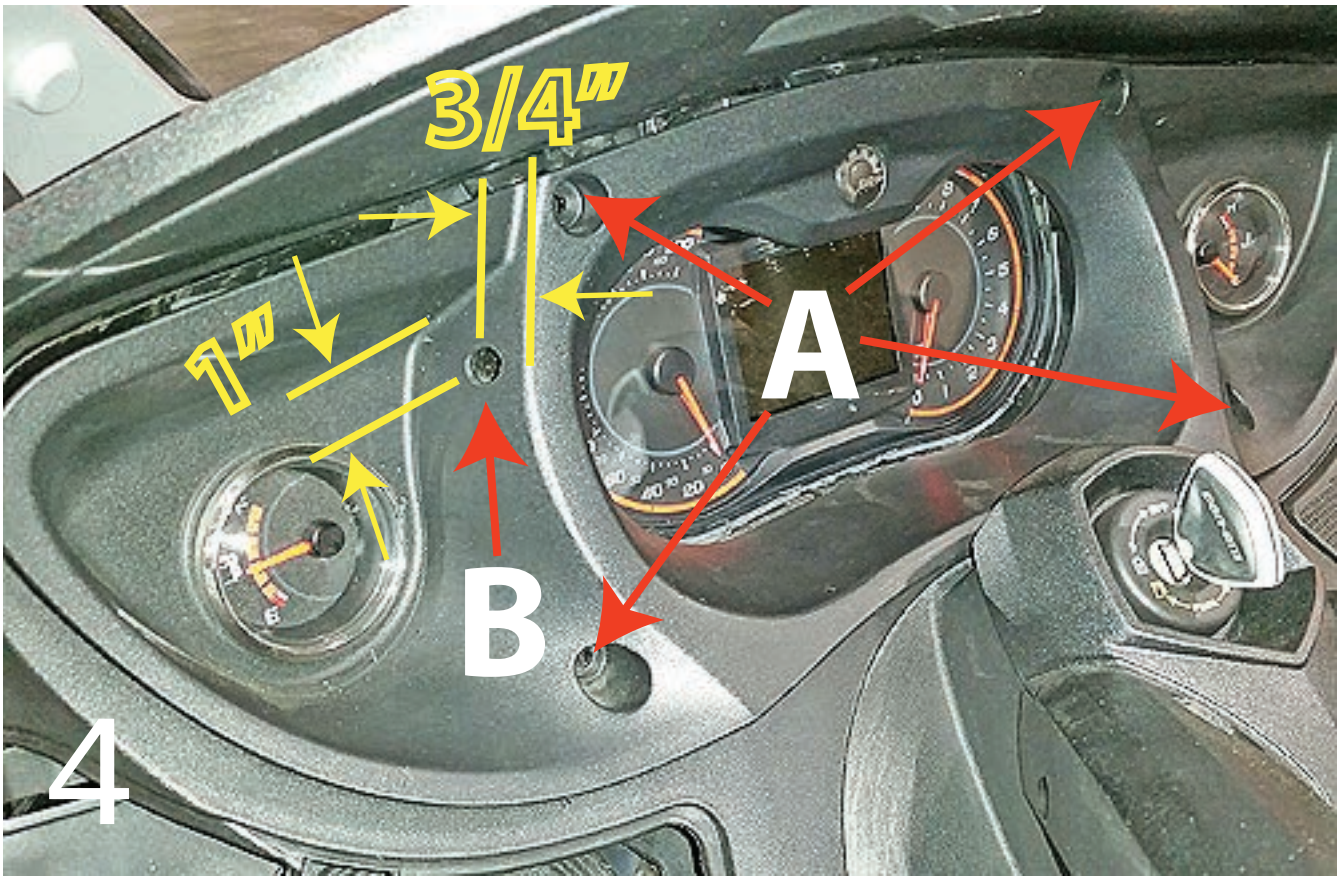
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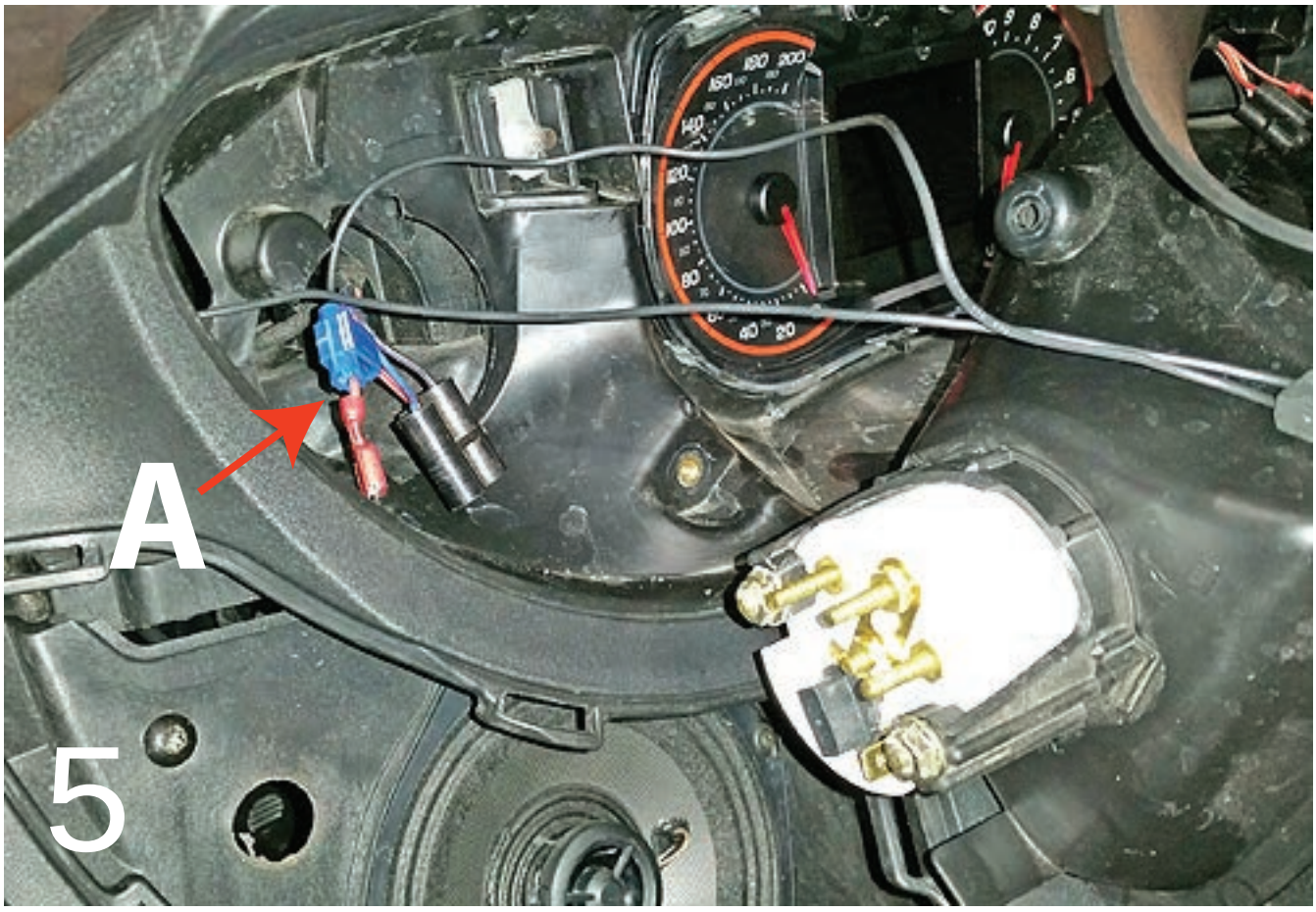
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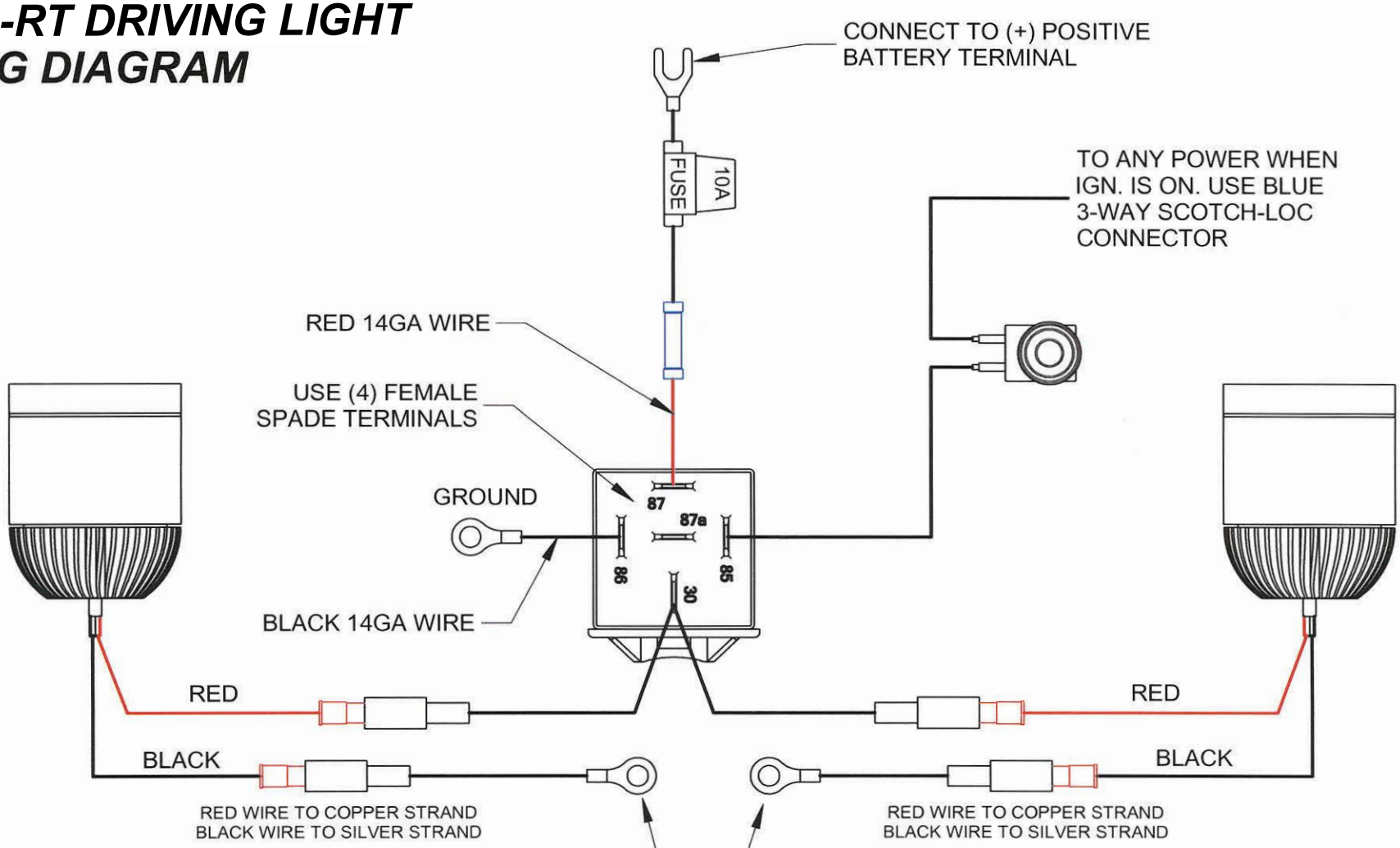
CA006-RT DRIVING LIGHT WIRING DIAGRAM

SEPT 2, 2015



This set of LED lights draw (use) 2 amps each (4 per set). While this is a fairly low draw or load to be added directly to an existing circuit we recommend use of the supplied relay and wiring shown. You may choose not to use the relay. In this case connect the power wire from the switch which would have gone to relay terminal #85 directly to the red wire from the lights.