

40782 Light Kit Instructions



Caution! Wear appropriate eye protection!

Disconnect the battery or batteries per manufacturers instruction. Remove dash and floor board to expose access to brake pedal and wiring harness routing. Route the 31409 harness through floor board access holes B and C.

As you route the harness make sure you tie it up so it does not interfere with any moving parts.

Headlight switch connection:

You will see in this kit a loose red, blue wire that are connected together. The long blue wire connects to one side of the light switch (either one). On the other side of the light switch connect the single blue wire that protrudes from the main harness. Connect the red wires together that have corresponding female and male bullet connectors.

Connect the front lights and turn signal lights per corresponding wire colors per wiring diagram.

For brake lights install the brake timer kit as per picture A. Notice on the same light switch loose wiring there are three wires, one green, black and the red/blue wire. All three have faston connections. Connect the two wires with the .250 fastons onto the larger .250 faston connections on the 6037 (48 volt) or the 6199 (12 volt) relay. The wires being used are the red/blue and green wires. The small .187 faston connector will connect to either one of the small relay terminals. You will see in this kit a loose purple wire with a small .187 faston connector. This will connect to the other small relay terminal. Route the other end of this purple wire to the key switch accessory side. This will allow the brake light relay to be key switch activated. Continuing down the main harness you will see a single orange wire and a single black wire these two wires connect to the horn. Next you will see three loose wires, red, black and green. Green connects to the brake switch NC (normally closed) terminal. Connect the red timer wire to brake switch terminal marked COM (common). Connect the brown timer wire to short harness red wire bullet connector. Connect the timer black wire to main harness black wire.

For rear lights connect wire colors per wiring diagram. For the correct turn signal head use part number 6439 which has a nine pin connector that matches the nine pin harness connector.

Tech Tip: adjust brake pedal switch so when pedal is up the switch is in the activated position (lever depressed).

- BOM: 40782 Kit
- 31409 Harness
- 2 Headlights/Taillights

- For Premium Kits: Add
- 31419 Timer
- 2488 Horn
- 6439 Turn Signal Kit
- 6037 Relay 48 Volt
- 6199 Relay 12 Volt

Place brake relay close to harness in dash area as you can for correct wire length. It can be tied to harness with a wire tie.



6037/6199 Relay



A



B



C