



## Installation Instructions

Part # 612800-04  
Light Kit for 76858 and 76614  
[Rear Bumpers](#)

**Read and follow wiring diagram carefully.**

- Control Box must be used when wiring up lights
- Do not hook up lights directly to a 12v source (this will damage lights)
- Make sure all connections are secure
- Make sure wires do not contact sharp objects or extreme heat area

### **PARTS**



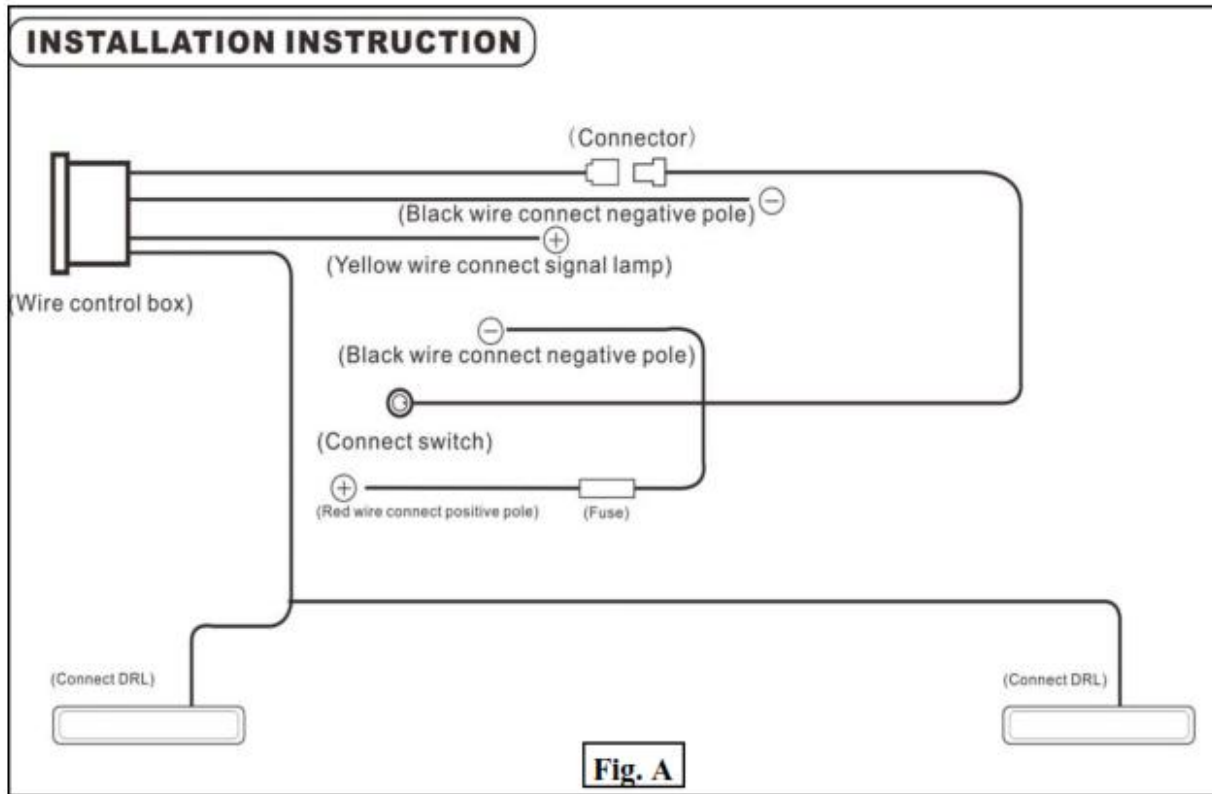
**NOTE:** *The wire is connected with the lamp when it leaves the factory.*

- Please follow the wiring diagram to connect the circuit. According to the wiring diagram to connect the circuit, LED light will be open automatically when the engine is started.
- Please follow the ECE R97/28 and ECE R48 standard to install.



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There are 4 power wires; a minimum of 3 wires must be connected for the lights to function.

A. Red wire to + positive on battery or power source.

B. Black wires(2) to – ground ( one Ground wire will be the short black wire coming out of the power control box, The other will be the long black wire on the main wire loom. )

**OPTIONAL:** Yellow wire to + of backup light or other + switched accessory power wire. Only use yellow if you want an auxiliary on/off switch such as a reverse light. This wire can be used in conjunction with Smittybilts JK towing wire harness (Part# 2912) which has extra lead wires.

You do not have to hook up the yellow wire, if you choose not to hook up yellow wire, then the on/off switch will power the lights. If yellow wire is not used, insulate the exposed wire.

**NOTE:** When powering the lights using yellow AUX wire, light output will be 35%. ( this is intentional as when used as backup light , many states have regulation on how bright the backup aux light may be.) For 100% light power use on/off switch.

Amp draw.

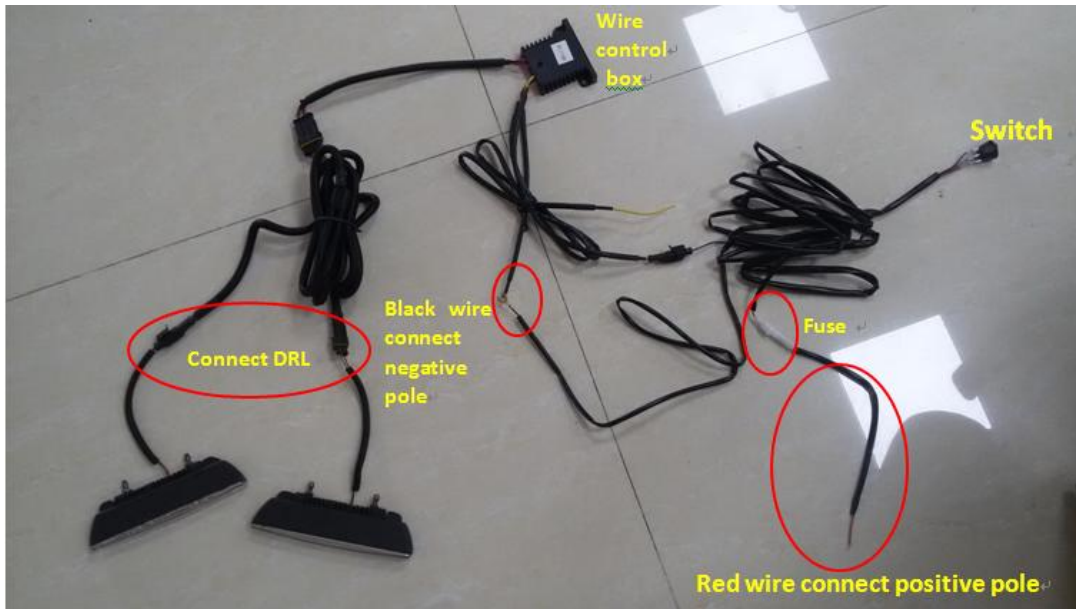
\* Max 0.6 amp 9 when powered via on/off switch.

\* 0.45 amps when powered via yellow AUX power wire.

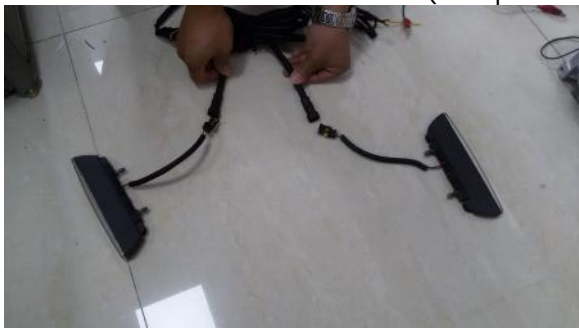


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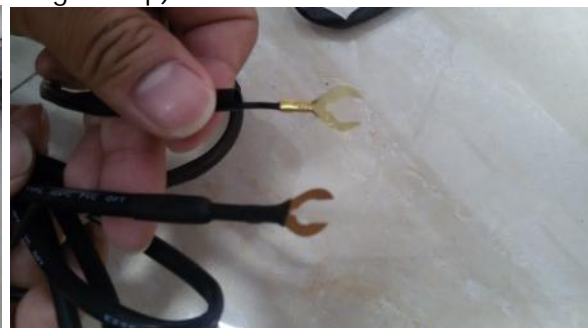
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(Complete Wiring Set up)



(Plug wire loom into light plugs)



(Ground both black negative wires)



(Connect Red wire to positive terminal on battery)



(Optional- Connect yellow wire to auxiliary power-like back up lighting)