Performance LED Pod Installation

Things to Consider

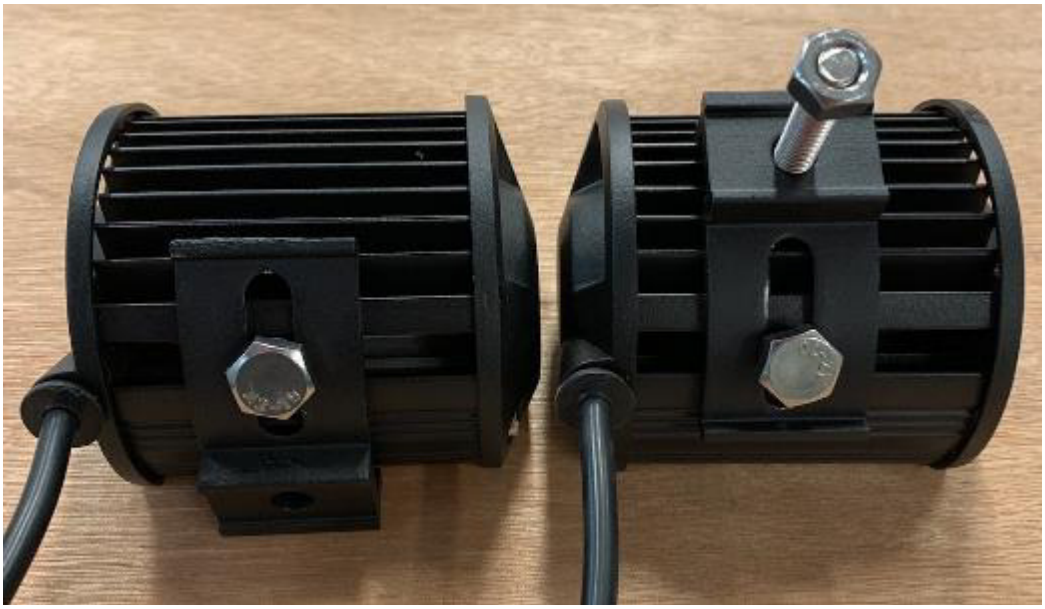
- Length of wire harness
- Height of vehicle after install
- Protected location
- Vehicle's body curves
- Preventing shadows
- Preventing glare

Selecting Mounting Options

- Do not completely engage - Some options w/interlocking teeth should not be engaged when rotating light due to shearing teeth off mount or housing
  - Stripping teeth will make maintaining light direction difficult
- Roof mounting - Preferred location is bottom side or on roof support
- Curved surface mounting - Keep away from other objects to prevent rattling
- Be aware of wires/components when drilling holes

Mounting & Install

1. Determine the mounting location, and mark.
2. Drill a hole. Drill bit size should be slightly larger than the bolt.
3. Assemble mounting bracket to the rear.
   - Suggested assembly so the cable exit is exiting downward
   - Open the harness and lay it out with the relay and battery connections pleaced near the battery connection location.
4. Locate the hole in the bottom of the battery tray closest to mounting location and connector can fit through.
5. Determine the mounting location for the switch.
   - The switch for the pods is mounted inside a sealed enclosure with adhesive tape on the rear for mounting.
   - Before mounting the switch, clean the location with alcohol.
   - Remove the liner on the rear of the switch enclosure.
   - Press the switch enclosure against the surface where the switch is to be mounted.
   - Routing the wire can be done in 2 ways:
     - Drilling a 3/4" hole and feeding the connector through into the cowl area
     - Removing the connector housing so a smaller 1/4" hole can be utilized
       - This is only suggested if familiar with the contacts and the positions are documented for proper reassembly.
6. Once the hole is established, the connector from the switch can be mated with the connector on the harness.
7. Now, The lights can be connected to the harness.
   - The wires from the light will require termination of male .250 tab (these can be insulated or uninsulated) terminals for proper connection to the harness. See connections page.
   - Connect the black wire to the black wire, and the red wire to the yellow wire on the harness. Do this for both lights.
   - Note: When securing the wire harness, make sure it is not connected to any moving parts, and is not in jeopardy of being cut or rubbed through by other components.
8. Secure the relays in the battery
9. Battery connections:
   - DC to DC convertor: (48 volt install)
     - Some installs will require a DC to DC convertor. This device changes 48 volts to 12 volts that the light requires to function.
     - Note: Failure to use or properly install the DC to DC convertor may result in premature battery failure.
   - Connections of this device are at the end of this document on the connection page.
10. Wire clean up:
    - Starting at the light connections, pull the wire taut, and secure with wire ties.
    - Bundle the 2 switch wires, and secure.
    - After the wires leave the cowl, bundle as necessary back to the battery box.
      - Note: When securing wire harness, make sure it is not connected to any moving parts, and is not in jeopardy of being cut or rubbed through by other components.
    - Once all wires are presented nicely to the battery box, mount the relay inside the battery box along DC to DC convertor. Next, make the battery connections.
      - See below for connection reference diagrams.
11. Final Step:
    - Apply RTV, grommets or equivalent to any location that the wires extend through a drilled opening. This is done to prevent vibration from wearing through the wire insulation, and to seal water ingress.
    - Tighten light mounts and aim the lights as desired.



Pod Mounting options:
Depending on location the pods mounting can be adjusted with the brackets.

Pod Termination:
.250 male, tab, 16-22 awg, insulated or uninsulated.

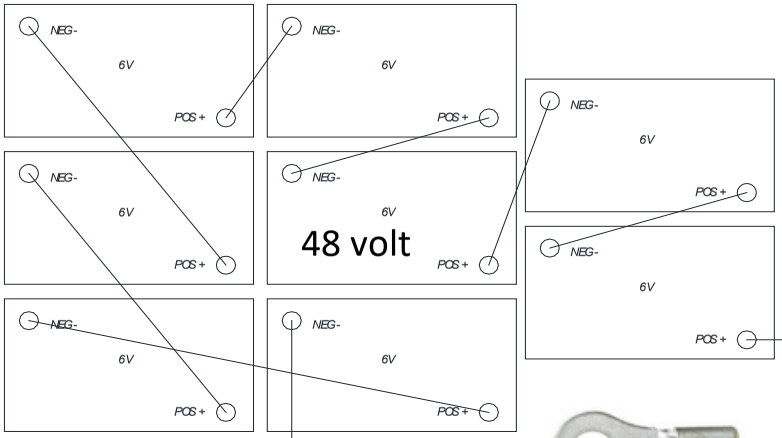
Black to Black
Red to White

48v DC/DC Convertor Wire Connections

16 awg butt splice

CUT RING TERMINALS OFF RELAY HARNESS AND USE ON DC/DC CONVERTOR

Reference only, Product may vary



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Failure to make connections as shown may result in decreased battery life.

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