

Performance Light Bar Installation Instructions

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

Helpful Tips

- Prior to install:
 - Disconnect power source/battery
 - Ensure vehicle is on level surface
 - Ensure brake is engaged - If necessary, block tires to prevent vehicle movement
- Install:
 - Orient the bar/light in a manner that the cable exits are pointing downward
 - This will aid in harness length when mounting above seat height
 - If mounted below the seat height, this will aid against water ingress
- Mounting:
 - RTV sealant or equivalent can be applied around mounting hole to prevent liquid ingress
- Switch Install:
 - The steering column usually has openings around it that the connector fits through
 - It is best to have the wire avoid the steering column and brake/accelerator to avoid rubbing through the wire insulation or interfering with the operation of the vehicle control

Mounting & Install

1. Decide the location for mounting the LED light bar.
2. Assemble the light bar by attaching the mounting legs to the end of the bar using supplied hardware.
3. Place the light bar in the desired location to make sure the light will properly fit location selected.
4. Measure and mark the mounting location for each bracket.
5. Drill a hole at marked location. The drill bit size should be slightly larger than the bolt (bolt diameter varies by kit).
6. Mount the light using supplied hardware with a lock washer and flat washer on the nut side of fastener.
 - The light should not be tightened to the legs. Once the light is functioning and aiming is correct, tighten the legs.
7. Open the harness and lay it out with the relay and battery connections placed near the battery location.
8. Open the cart to reveal the battery box.
9. Start by locating a hole in the bottom of the battery tray closest to where the lights will be mounted and large enough for the connector to fit through.
 - If no hole is available, drilling a .75 hole should be large enough to feed the connector through, one at a time.
10. Feed the connectors through the hole to the exterior of the cart. Some wire harnesses have detachable switches. These can be removed from the harness to avoid damage.
11. Run the wires against the belly pan of the vehicle towards the location of the connector hanging from the light and toward the dash for switch mounting. Loosely fasten the wire with a cable tie. This will allow pulling the wire to adjust the length.
 - Avoid mounting the cable near and moving linkage under the vehicle.
 - Avoid mounting the wire to lowest part of the frame to avoid wire damage.
12. Light connector:
 - Bring the wire up the exterior of the dash. Feed the connectors that go to the light towards where the light connector is located.
 - If the light bar is mounted to the hood/ bumper area route wire to a discretely to the light connector location.
 - Carefully drill a hole to route the wire through to the light connector or if possible bring the light bar connector to interior of hood area.
 - Depending on the light kit purchased, the connector can be removed to allow for a smaller diameter hole to be used. (See connector disassembly instructions)

Bluetooth Control Box Install

1. Place control box in battery box close to relay from original installed harness.
2. Plug control connector in pigtail.
3. Feed 2 connectors through previously drilled hole (large & small black).
4. Route cable with large connector to light (same connection as power cable from light bar).
5. Route cable with small connector along same path as previously run switch wire.
6. Control Switch Install (small red)
 - Locate place on dash with no interference.
 - Drill 11/16" hole.
 - Slide flat washer & nut over connector onto wire.
 - Feed wire through hole.
 - Attach wire connectors.
 - Place switch in hole.
 - Slide washer up onto rear of switch & thread nut.
 - Tighten (do not overtighten, can cause stripping).

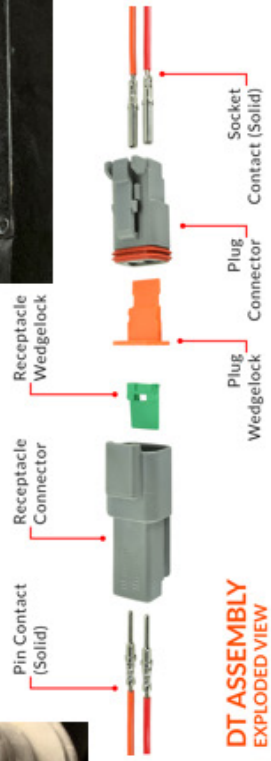
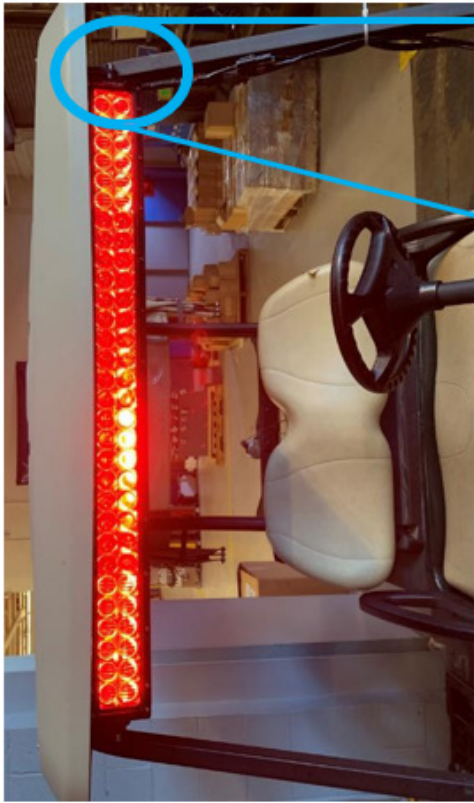
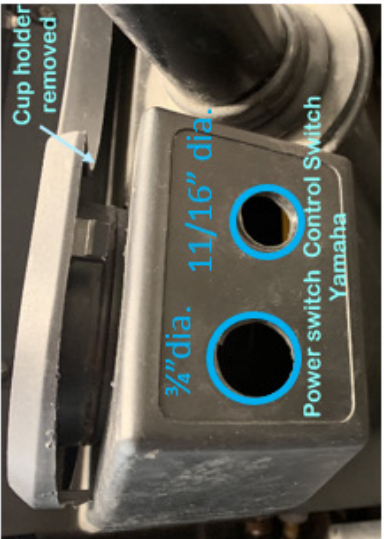
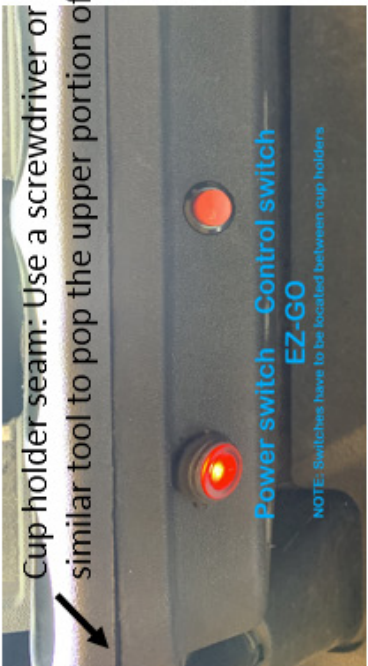
Switch Install

1. Feed switch connector towards cowl/dash
 - Route to switch mounting location
2. Vehicle Specific Installs
 - E-Z-Go
 1. Remove cup holders to gain access to cowls
 - Insert flat blade screwdriver into seam between dash & cup holder
 - Gently push for release
 - Set Aside
 2. Switch Dimensions
 - .749" hole $\frac{3}{4}$ diameter (see diagram)
 3. Replace cup holder
 - Place in original location
 - Align with dash panel retention holes
 - Push to secure
 - Club Car
 1. Remove dash panel to access cowls
 2. Switch Dimensions
 - .749" hole $\frac{3}{4}$ diameter (see diagram)
 3. Switch housing depends on kit
 - Adhesive foam backing your choice of placement
 1. Clean mounting surface with alcohol, best on flat surface
 2. Remove release liner & apply to desired location
 3. Apply pressure for secure placement

Final Steps

1. Wire Clean Up
 - At light connections pull wire taut & secure with ties
 - Bundle 2 switch wires & secure
 - Bundle as necessary back to battery box
 - Mount relay & Bluetooth control box inside battery box
 - Connect to batteries
2. Finishing Touches
 - Apply RTV to any wires extending through a drilled hole
 - Prevents wearing of wire insulation
 - Tighten light bar mounts & aim as desired

Switch Install Diagram



48V DC/DC Converter Install Diagram



48v DC/DC convertor wire connections



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

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

