# LHT EZ2 (BLK/CHR) EZ-GO Roof Mount Light Bar Kit

## KIT COMPONENTS

Included in this kit:

| Qty. | Description | Item ID |
|---|---|---|
| 1 | Powder Coated Light Bar | (A) |
| 2 | Light Bar Spacers | (B) |
| 2 | ¼-20 X 2.5" Phillips Pan Head Bolts | (C) |
| 2 | ¼-20 Lock Nuts | (D) |
| 1 | 5/16-18 X ¾" Phillips Pan Head Bolt | (E) |
| 1 | 5/16 Rubber Sealing Washer | (F) |
| 1 | 5/16-18 Lock Nut | (G) |
| 2 | ¼" Washers | (H) |
| 1 | 5/16 Washer | (I) |

NOTE: This kit DOES NOT include lights for mounting on the Roof Mount Light Bar. Light combinations are sold separately.

**Figure 1 - Light Bar Kit**

## INSTALLATION INSTRUCTIONS

1. Remove the pair of ¼" Phillips pan head bolts and plastic spacers securing the front of the top to the forward top struts. See figure 2

2. Place the spacers provided (B) into the pockets in the front of the top. See figure 3

**Note:** Due to age and damage on some tops, it may be necessary to remove chewed up plastic debris from inside these pockets to allow the spacers to lay flush and sit even with each other.

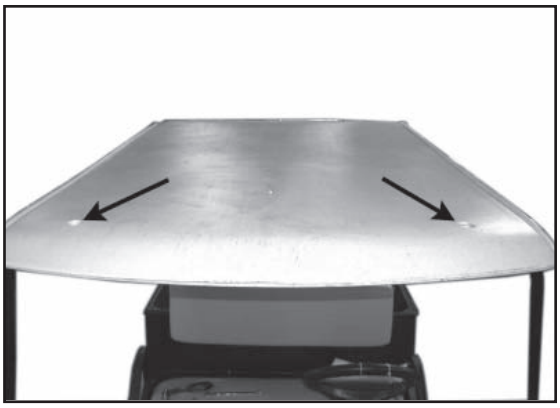

**Figure 2 - Remove Screws**

3. Set the light bar (A) onto the spacers and loosely fasten with the ¼-20 X 2.5" Phillips pan head bolts and lock nuts (C & D) provided. See figure 4.

4. Mark where the hole will need to be drilled through the top to mount at the rear of the light bar, remove the bar, and drill the top using a using a 3/8" bit. See figure 5.

5. Reinstall the light bar using the hardware outlined in step 3 above and loosely fasten the rear plate to the top using the provided 5/16-18 X ¾" Phillips pan head bolts, rubber sealing washer and lock nut (E, F, & G).

**Note:** Make sure to install the rubber sealing washer on the underside of the top with the rubber surface resting against the top itself. Failure to install this washer properly may lead to water leaks. Figure 5

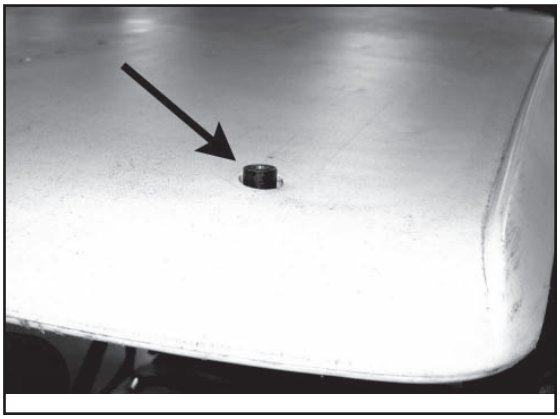

**Figure 3 - Install Spacers**

6. Tighten the front light bar mounting bolts and snug the rear mounting bolt until the bar and top draw together. See figure 6.

**Installation Note Regarding Lights:**

The four tabs on the light bar will mount a wide variety of available lights. You may use any combination of head lights, fog lights, running lights, side ally lights or warning lights to build an arrangement to suit your driving needs. You must determine the combined wattage of your light setup before you purchase and install these lights, or you may cause more electrical draw than you're vehicle can handle.

Gas cart charging systems can normally only handle a maximum of 15 amps of COMBINED LOAD. Whenever the lights are on but the vehicle is operating slowly, or whenever the vehicle is stopped, this electrical load can quickly drain your battery. Some applications may benefit by replacing the battery with a deep cycle version.

Electric carts too can handle up to a maximum of 15 amps of COMBINED LOAD. You will not want to build a lighting system that draws over 15 amps continuously. If you plan to use the lights sparingly, then the use of higher current light setups can be used.

NOTE: It is always recommended to use a 36 volt to 12 volt or 48 volt to 12 volt DC Converter whenever possible. This will spread the electrical load across the full set of batteries which will greatly increase operating time while lights are in use. See BU Part # ELEML48-12K.

**CAUTION**

**ALWAYS fuse your lights as you add them to the electrical system. Failure to do so could cause significant damage or fire to you're carts wiring.**

To calculate amperage draw from your lights wattage rating, use the following formula:

**Watts / Voltage = Amps**

**For example:** using a 55 W, 12 V head light: 55 W/ 12 V= 4.58 Amps. Be sure to add up the amp draw for all of the lights in you're system to determine the TOTAL COMBINED LOAD. In this case, using four of these headlights on your light bar will overdraw your charging system or accelerate your battery drain.

Smaller fog and running lights use significantly less power than conventional headlights and make a nice addition to your light bar. It is suggested to run smaller lights in tandem with more powerful ones to provide the best combination of looks, performance, and safety.

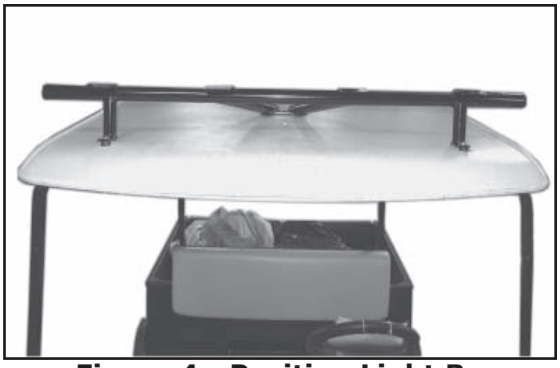

**Figure 4 - Position Light Bar**

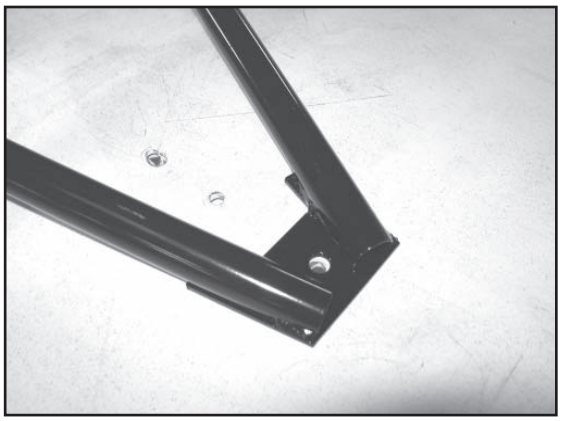

**Figure 5 - Mark For Drilling**

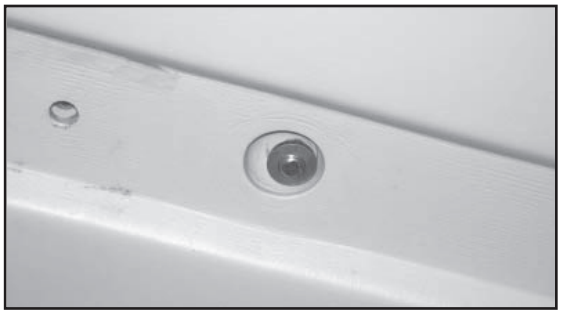

**Figure 6 - Install Hardware**

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