



## Installation Instructions

### For K68499 Kodlin Elypse 3-1 Rear Light Bar for Sportster S models

Note: Unless you want to build your own harness, we recommend using Kodlin part KUS11600 to ease the installation without the need to splice into OEM harness.

1. Remove seat, left side panel and rear panel.
2. Unclip OEM light bar connector on lower swing-arm. See picture #1.
3. Undo wiring from the clip with two plastic screws and make sure wiring is completely free all the way to swing-arm mount. See picture #2.



#1

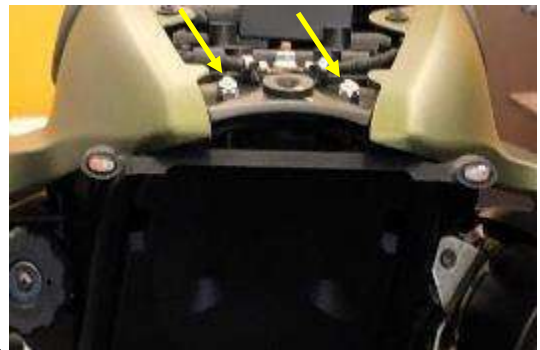


#2

4. While holding light bar remove the three bolts holding it onto the swing-arm.
5. Using instructions provided with kit install the Kodlin License Plate Bracket for Sportster S models and Kodlin Curved Universal License Plate Kit at this time. See picture #3.



#3



#4

6. Using the two bolts provided in the kit install them into the counter bore on bottom of light bar, then spacers and into existing holes up into rear frame. Secure with two washers and nylock nuts provided. Align then snug up firmly.
7. Route wires up into frame and into area under the rear panel avoiding pinch points or sharp edges. See picture #4 and 5.



#5



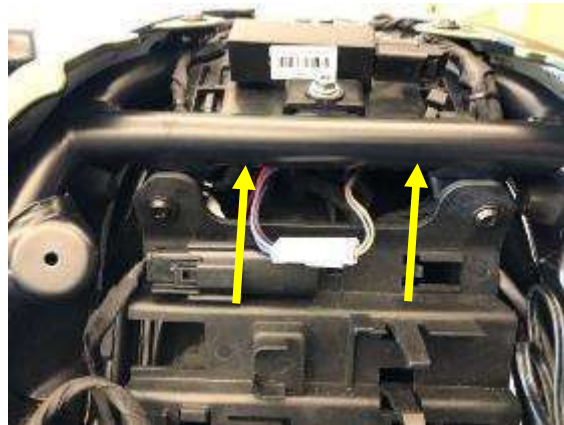
#6

#### Wiring the lights:

1. Hopefully you have purchased the Kodlin Rear LED Install kit # KUS11600 so you do not need to cut into your existing harness anywhere.
2. Disconnect the main harness from the tail extension harness at the location shown by arrow in picture #7 and plug in the Kodlin harness in between the two connectors.



#7



#8

3. Run this harness along frame to the rear area behind the seat shown by arrows in picture #8.
4. Be careful not to have any wires near the front of this bar because the stock seat will pinch it when installed. See two arrows in picture #8. Kodlin harness has two four position JST connectors on the end. Connector with brown wire is for the right side, connector with violet wire is for left side. Connector is shown pulled out for viewing otherwise it will be tucked away behind bar.

5. You can now run wires from Kodlin license plate frame up to the stock taillight connector on swingarm shown by arrow in picture 1.
  - a. Connect license plate black wire to black wire from pin 4 on taillight connector.
  - b. Connect license plate black wire with light stripe to blue wire from pin 5 on taillight connector.
6. Test license, front and rear brake and each turn signal light and then let flashers run about 10-20 times and check for any DTC codes or hyper-flashing.

Wire color code guidelines:

Kodlin harness to LED lightbar and license frame.

Main Harness Connector	-> Harness Wire Color	-> Function	-> LED wire
Pin 1	-> brown wire	-> Right Turn	-> Blue LED wire or pin 2
Pin 2	-> red wire	-> Stop	-> Left and right red LED wires or pin 3
Pin 3	-> black wire	-> Ground	-> Left and right black LED wires or pin 4
Pin 4 passes through to taillight connector as a ground for license plate frame black wire			
Pin 5	also power for license -> blue wire	-> Running	-> Left and right yellow LED wires or pin 1
Pin 6	-> violet wire	-> Left Turn	-> Blue LED wire or pin 2

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