

# Custom Dynamics® LRST Shark Demon® 2 LED Headlight Installation Instructions



## Part Number

Patent

SD2-LRST-W

US Patent: D1102637, Additional US Patent: Pending, China Patent: ZL202430259656.X

## Package Contents

Shark Demon® 2 LED Headlight (1)  
Round Panel Bracket Base (1)  
Shark Demon® 2 Mount Bucket (1)  
LRST Wire Adapter (1)  
M6 Hex Head Bolts (4)  
Serrated Flanged Nuts (4)  
10-32 x 3/4" Screw w/ Washer and Nut (1)  
Shark Demon® Sticker (1)  
Instructions (1)



## Fitment

2022-2026 Harley-Davidson® Low Rider ST (FXLRST) and 2022 Low Rider El Diablo (FXRST).

## Suggested Tools

Safety Glasses  
Front Fender Protection  
T-25 TORQ Socket or Handle Driver  
10mm Socket  
Drill  
3/16" Drill Bit

## Installation

[Click Link for Install Video](#)

[Click Here](#)

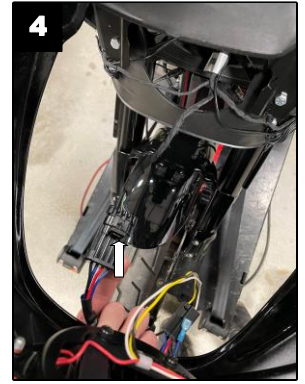
### Warning

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a qualified technician perform the installation. Improper installation of this kit could result in death or serious injury.

1. Remove the seat, right side cover and all necessary parts to disconnect the negative battery cable from the battery.
2. Remove outer fairing by removing six windshield screws shown in **Figure 1**. Lift to remove windshield and store in a safe place to prevent damage.
3. Remove four outer fairing screws shown in **Figure 2**.
4. Remove fairing air deflector screws shown in **Figure 3**.
5. Pull outer fairing away from inner fairing and unplug headlight connector shown in **Figure 4**.

Questions? Email: [Info@CustomDynamics.com](mailto:Info@CustomDynamics.com) or Call us at: 1(919)554-0949 M-TH 8:30AM-5:30PM, F 9:30AM-5:30PM EST

## Installation Instructions Continued - 2



6. Remove outer fairing and set on work bench. Remove OEM headlight bezel by turning it counter clockwise to release from tab, it will not be reused. Remove three OEM T25 Torx head screws and remove headlight and bracket.
7. Install supplied Round Panel Bracket Base with OEM screws. Drill the empty hole with a 3/16" drill bit and install supplied 10-32 X 3/4" screw with the washer and nut on back side of panel. Shown in **Figures 5 and 6**.
8. Install LRST Shark Demon® 2 LED Headlight to the Shark Demon® 2 Mount Bracket with four supplied M6 Hex Head Bolts. Install to fairing with four supplied Serrated Flanged Nuts shown in **Figures 7 and 8**.
9. Connect LRST Wire Adapter to Motorcycle OEM harness and connect the other end into the LRST Shark Demon® 2 LED Headlight connector.



### Notice

Hand start all bolts, **DO NOT** use impact wrench/"zip gun" when installing.

10. Reinstall outer fairing and windshield in reverse order in which they were removed.
11. Reconnect battery negative cable to the battery and reinstall the right side cover, seat and all necessary parts.
12. Aim LRST Shark Demon® 2 LED Headlight by loosening the four M6 Hex Head Bolts. Tighten the 4 M6 Bolts when aiming is complete.

### Note

Click on the link to the right for specific instructions on proper measurements for aiming headlight.

[Click Here](#)

13. Test the new Custom Dynamics® LRST Shark Demon® 2 LED Headlight for proper operation.

### Note

Complies with SAE and DOT standards for high and low beam motorcycle headlight functions.

### Cleaning Warning

Never use abrasive polishes or cleaners (e.g. "bug off" cleaners) as these can scratch and/or damage the finish, voiding warranty coverage. Avoid power washing/applying direct stream to aftermarket parts.

Questions? Email: [Info@CustomDynamics.com](mailto:Info@CustomDynamics.com) or Call us at: 1(919)554-0949 M-TH 8:30AM-5:30PM, F 9:30AM-5:30PM EST