

## Custom Dynamics® Shark Demon® Fog Light Kit Installation Instructions



We thank you for purchasing the Custom Dynamics® Shark Demon® Fog Light Kit. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

**Part Numbers:** SD-FOG-1W SD-FOG-1Y  
Patent Pending

### Package Contents:

- Shark Demon® Fog Light (2)
- HARN-FOG-1 Harness (1)
- 8mm Socket Head Bolts (4)
- 8mm Washers (4)
- 6mm Socket Head Bolts (4)
- 6mm Washers (4)
- 6" Cable Ties (10)
- Instructions (1)

**Fits:** 2018-2024 Harley-Davidson® Softail Street Bob (FXBB/FXBBS), Heritage Classic (FLHC/FLHCS), Fat Boy (FLFB/FLFBS), Fat Bob (FXFB/FXFBs), 2020-2024 Softail Standard (FXST), 2020-2024 Low Rider S (FXLRS), 2022- 2024 Low Rider ST (FXLRST), 2022 Low Rider EI Diablo (FXRST), 2018-2020 Low Rider (FXLR), Deluxe (FLDE), Breakout (FSXB/FXSR), 2023-2024 Breakout 117 (FXBR), 2018-2021 Sport Glide (FLSB), Slim (FLSL) and 2019-2020 FXDR.

**Also Fits:** 2017-2024 Harley-Davidson® Ultra Limited (FLHTK), Road King Special (FLTRXS), Tri Glide (FLHTCUTG) and Freewheeler (FLRT), 2017-2023 Street Glide (FLHX), Street Glide Special (FLHXS), Road Glide (FLTRX), Road Glide Special (FLTRXS), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST) and CVO Road Glide Limited (FLTRKSE), 2020-2024 Road Glide Limited (FLTRK), 2017-2019 Electra Glide Ultra Classic (FLHTCU), 2017-2019 Road Glide Ultra (FLTRU), 2017- 2018 Ultra Limited Low (FLHTKL), 2017-2021 CVO Limited (FLHTKSE), 2017-2022 Road King (FLHR), 2017-2022 CVO Street Glide (FLHXSE), 2018-2022 CVO Road Glide (FLTRXSE), 2019-2022 Electra Glide Standard (FLHT), 2023-2024 Road Glide 3 (FLTRT) and 2020-2022 CVO Tri Glide Ultra (FLHTCUTGSE).

## ATTENTION

Please read all Information below before Installation

**Warning:** Disconnect negative battery cable from battery; refer to owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on motorcycle.

**Safety First:** Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Be sure motorcycle is on level surface, secure and cool.

**Cleaning:** Take special care in cleaning the finish. Never use abrasive polishes or cleaners as these can scratch and/or damage the finish. Avoid power washing/applying direct stream to aftermarket parts.

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



### Installation:

1. Remove all necessary parts to disconnect the negative battery cable from the battery.
2. Choose a location to mount the Shark Demon® Fog Light Kit on motorcycle using mounting clamp on engine guard or caliper mounts (**sold separately**). Mounting clamp option used with Shark Demon® Fog Light mounted horizontal. Shown in **Figure 1**.



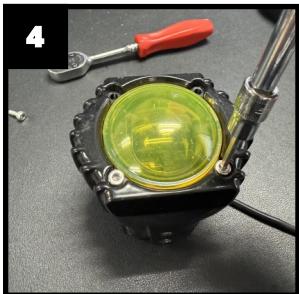
3. The Shark Demon® Fog Lights can be mounted vertically or horizontally depending on what mount is used and how you choose to orient the Shark Demon® Fog Lights. Vertical shown in **Figure 2**, Horizontal shown in **Figure 3**. **Note:** The lens must be turned with the "TOP" always to the top of the Shark Demon® Fog Light. "TOP" is etched into the top of the lens.



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### Installation Continued:

4. To turn the lens of the Shark Demon® Fog Lights remove the 3mm Allen Head screws and turn the lens and reinstall the 3mm screws. Shown in **Figures 4 & 5**.



5. Route the wires from the Shark Demon® Fog Light up the frame and under the fuel tank to the battery/left side cover area of motorcycle. Use supplied Cable Ties to secure the wires from being cut, frayed or pinched.
6. Remove left side cover to access the OEM P&A connector and plug in the HARN-FOG-1 Harness. Shown in **Figure 6**.  
**Note: If the P&A port is already being used add a CD-18ST-Y to add additional accessories (sold separately).**



7. Find a suitable location for the push button ON/OFF switch and clean area with denatured alcohol and let dry.
8. Peel the red protective tape off the back of switch and press firmly into place.
9. Use the supplied Cable Ties to secure wires from being cut, frayed or pinched.
10. Make sure Shark Demon® Fog Light JAE connectors from HARN-FOG-1 Harness are free and near the P&A connector for the Shark Demon® Fog Lights to be connected to.
11. Reconnect the negative battery cable to the battery and reinstall all necessary parts and the left side cover.
12. Test the Custom Dynamics® Shark Demon® Fog Lights for proper operation.

