

Custom Dynamics® Shark Demon® Fog Light Kit Installation Instructions



Part Number

SD-FOG-1W, SD-FOG-1Y

Patent

Patent Pending

Package Contents

Shark Demon® Fog Lights (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)



Fitment

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 El 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).

Suggested Tools

Safety Glasses
3mm Allen Socket or T-Handle
6mm Socket or Open End Wrench
8mm Socket or Open End Wrench

Installation

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 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.

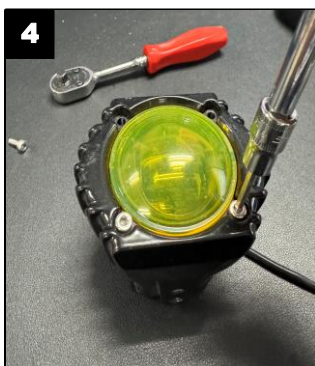
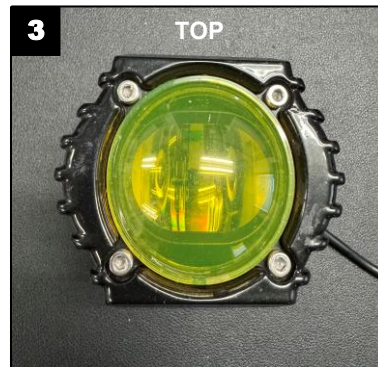
Questions? Email: Info@CustomDynamics.com or Call us at: 1(919)554-0949 M-TH 8:30AM-5:30PM, F 9:30AM-5:30PM EST

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Notice

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

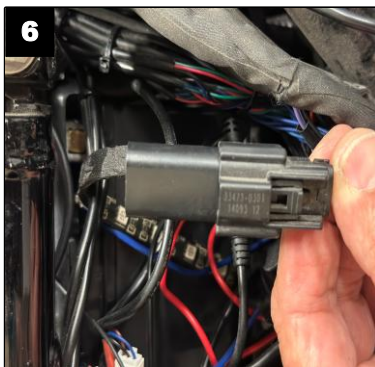
4. To turn the lens of the Shark Demon® Off Road Fog Lights remove the 3mm Allen Head screws and turn the lens and reinstall the 3mm screws. Shown in **Figures 4 & 5**.



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.

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11. Reconnect the negative battery cable to the battery and reinstall all necessary parts and the left side cover.
12. Test the new Custom Dynamics® Shark Demon® Fog Lights for proper operation.

Note

Use the extra hardware (8mm Socket Head Bolts and Washers, 6mm Socket Head Bolts and Washers) to fill the empty holes not utilized during mounting of the Shark Demon® Fog Light.

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.

