Custom Dynamics® Shark Demon® 2 LED Headlight For Memphis Shades Road Warrior® Fairing Installation Instructions

Part Number

SD2-MSRW-W

Patent

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

Package Contents

Shark Demon® 2 LED Headlight (1)
SD2 MSRW Brackets (2)
SD2-18ST Adapter Harness (1)
SD2-DYNA-HARN Adapter Harness (1)
SD2-UNV-HARN Adapter Harness (1)
1/4"-20 x 1/2” Socket Allen Head Bolts (4)
1/4” Flat Washer (4)
M6-1.0 x 14mm Hex Head Bolts (4)
M6 Flat Washers (4)
Shark Demon® Sticker (1)
Instructions (1)



Fitment

2018-2026 Harley-Davidson® Softail Street Bob (FXBB/FXBBS), 2020-2026 Low Rider S (FXLRS), 2020-2024 Softail Standard (FXST), 2018-2020 Low Rider (FXLR), 2007-2009 Dyna Low Rider (FXDL), 2006-2017 Dyna Street Bob (FXDB), 2006-2014 Dyna Super Glide Custom (FXDC) and 2006-2010 Dyna Super Glide (FXD), 2018-2021 Softail Slim (FLSL), 2018-2021 Sport Glide (FLSB),1999-2005 Dyna Super Glide (FXDX), 2016-2021 Harley-Davidson® Sportster 1200 Forty-Eight (XL1200X) and 2011-2019 Sportster 1200 Custom (XL1200C), 2011-2019 Harley-Davidson® Sportster XL883L, 2010 XL1200X, 2009-2020XL883N, 2007-2012 XL1200N, 2004-2009 XL883, 2007 XL50, 2006-2011 XL1200L, 2005-2010 XL883L, 2004-2008 XL1200R, 1999-2010 XL1200C, 2002-2007 XL883R, 1999-2009 XL883C, 1999-2003 XLH1200S, 1999-2003 XLH1200, 1999-2003 XLH883, and 1999-2003 XLH883. Also fits 2018-2024 Indian Scout Bobber, 2016-2024 Scout Sixty, and 2015-2024 Scout, 2022-2024 Indian Chief Bobber, 2022-2024 Chief Bobber Dark Horse, 2022-2024 Indian Chief and 2022-2024 Indian Chief Dark Horse.

Note

Must use Memphis Shades Road Warrior® Fairing P/N: MEM7371/2330-0165 or MEM7391/2330-0193 **(sold separately)**. M8 Softail models use SD2-18ST Adapter Harness, Dyna models use SD2-DYNA-HARN Adapter Harness and all other models and Indian models must use SD2-UNV-HARN Adapter Harness.

Suggested Tools

Safety Glasses
Front Fender and Tank Protection
3/8" Drive Ratchet
3/16" Socket
1/4" Socket
5/16" Socket
9/16" Socket
10mm Socket
Side Cutters or Dremel Tool (Optional)
Small Flat Blade Screw Driver

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

Installation Instructions Continued - 2

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 all necessary parts to disconnect the negative battery cable from the battery.
2. Remove Memphis Shades Road Warrior® if already installed on motorcycle.
3. Remove OEM headlight and headlight bucket from mounting block and disconnect headlight.
4. Remove headlight harness from inside the frame on the left side, to unplug connector remove rubber grommet and connector block. Shown in **Figure 1.**

Note

You may need to remove the fuel tank if having trouble removing the headlight harness connector.

5. Connect new supplied Adapter Harness to the headlight connector inside the frame and push back the rubber grommet and route Adapter Harness through forks out the front.

Note

For 18+ Softails use SD2-18ST, for Dyna use SD2-DYNA-HARN, and for all others and Indians use Universal SD2-UNV-HARN. Adapter Harnesses and wiring for Universal shown in **Figure 5 Wiring Diagram on Page 3.**

6. Trim plastic headlight ring on Memphis Shades Road Warrior® Fairing so the Shark Demon® 2 LED Headlight will fit into the fairing opening with side cutters, a Dremel tool or a cut off wheel. Shown in **Figure 2.**

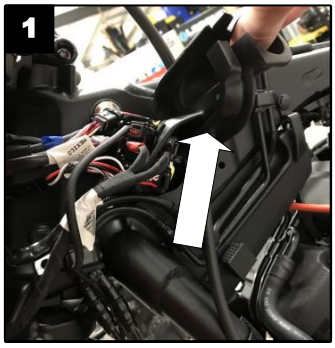
Note

Cut about 1” of the plastic headlight ring material away for fitment.

7. Fit Shark Demon® 2 LED Headlight into the Memphis Shades Road Warrior® Fairing, place SD2-MSRW Brackets on top of Memphis Shades® mounting brackets and use supplied 1/4"-20 x 1/2” Socket Allen Head Bolts and Washers to hold in place. Use supplied M6-1.0 x 14mm Hex Head Bolts and Washers to mount SD2-MSRW Bracket to the Shark Demon® 2 LED Headlight do not tighten at this time. Shown in **Figure 3.**
8. Install Memphis Shades Road Warrior® Fairing and Shark Demon® 2 LED Headlight as an assembly onto the motorcycle using Memphis Shades® mounting hardware and plug in headlight connector. Shown in **Figure 4.**

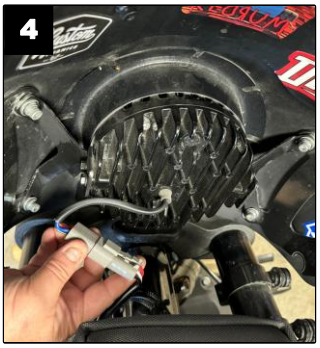
Note

Refer to Memphis Shades® installation instructions for installing the fairing and hardware to motorcycle.









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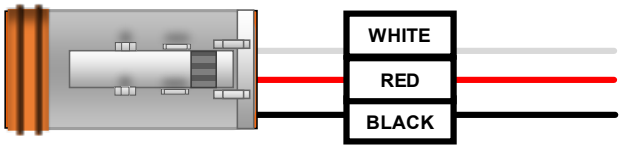
SD2-UNV-HARN Wiring Diagram:
White: Motorcycle High Beam Circuit.
Red: Motorcycle Low Beam Circuit.
Black: Motorcycle Ground Circuit.









Notice

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

9. Straighten and adjust Memphis Shades Road Warrior® Fairing and tighten **ALL** hardware.
10. Reconnect the negative battery cable to the battery and reinstall all necessary parts.
11. Aim Shark Demon® 2 LED Headlight by loosening the 4 M6 Hex Head Bolts. Retighten the 4 M6 Hex Head Bolts when done aiming Shark Demon® 2 LED Headlight.

Note

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

12. Test the Custom Dynamics® 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.