



VSTAR 650/1100 Custom 5.75" M2 LED Headlight Adapter Install Manual

Install Information:

For specific bike fitment and models that this adapter will fit please check out our website www.NextLvInnovation.com

Install Time: 30-40 Mins
Install Difficulty: Easy - Moderate

Tools Needed:
M2 (Ball point) Allen Wrench
Phillips Head Screwdriver
Small Flat Head or Phillips (Adjustment)

Part Descriptions:

This adapter will fit most 5.75" aftermarket LED Headlights in the stock bezel and housing of select VSTAR 650/1100 Custom motorcycles. It will also offer vertical adjustment and stability using the stock hardware from the halogen headlight setup. A list of motorcycles that this adaptor fits can be found on our website.

Key Ring: Mates with the LED Headlight's Key.

Clamp Ring: Clamps the LED Headlight against the Key Ring.

Clamp Slides: The attachment point between the Clamp Ring and Key Ring.

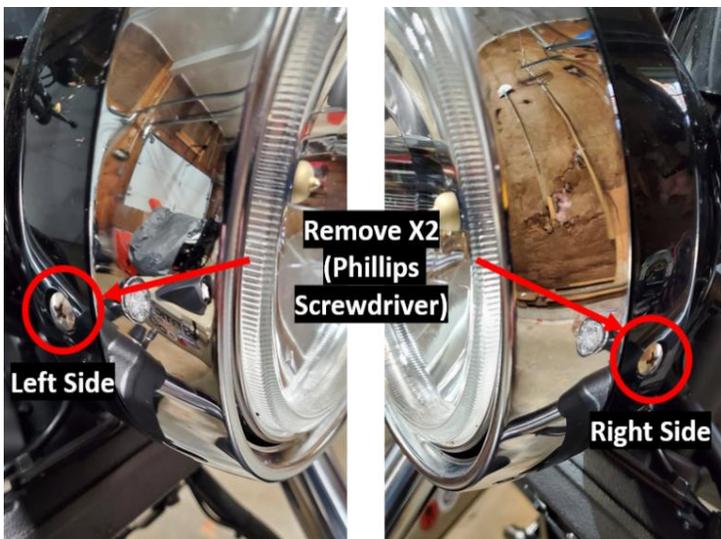
Side Mounts: Attachment points between the LED Adapter and the motorcycle bezel.

Adjustment Piece: Adjusts headlight angle while providing stability/vibration damping.

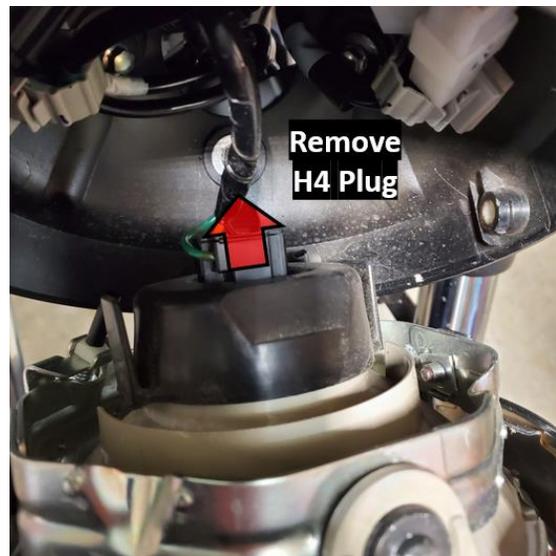
Adjustment Wedge: Locks the stock Nylon nut used in the headlight adjustment.

Nut Placement Tool: Tool used to hold the mounting square nut in place.

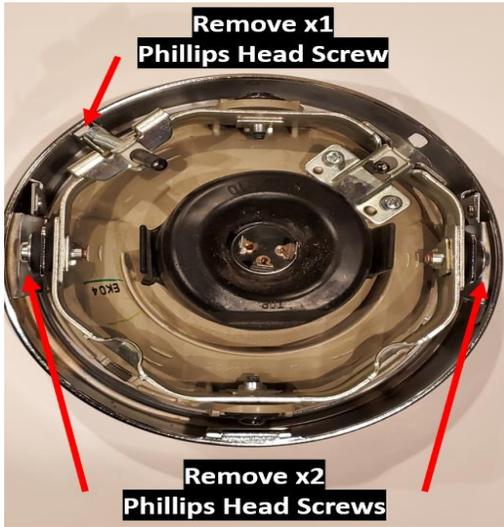
Uninstall of Stock Halogen Light:



Step 1: Remove 2 Phillips Head screws from the headlight housing connecting the bezel/headlight assembly to the headlight bucket. Be careful not to lose the silver bushings that may fall out.



Step 2: Remove the Headlight assembly by slightly twisting and pulling on the bezel. Then unplug the H4 plug.

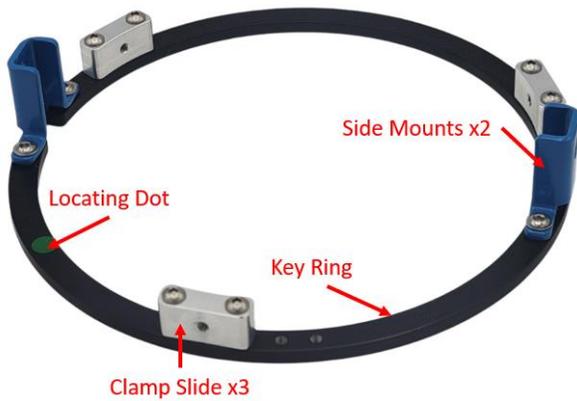


Step 3: Remove the adjustment bracket by removing two Philips head screws. Remove one of the adjustment screws from the bezel. Keep the screws, spring and nuts for later use.



Loctite Application: Use one drop about 1 thread up from the bottom of each screw supplied with the adapter right before installing. (Picture to the left). Sets in 10 Mins, cures in 24 Hours.

Install LED Headlight:



Step 1: Take the Key Ring with locating dot facing up and install the two Side Mounts using the short M3 screws. Next install the three metal Clamp Slides (flat side facing out) using the M3x14 button screws.

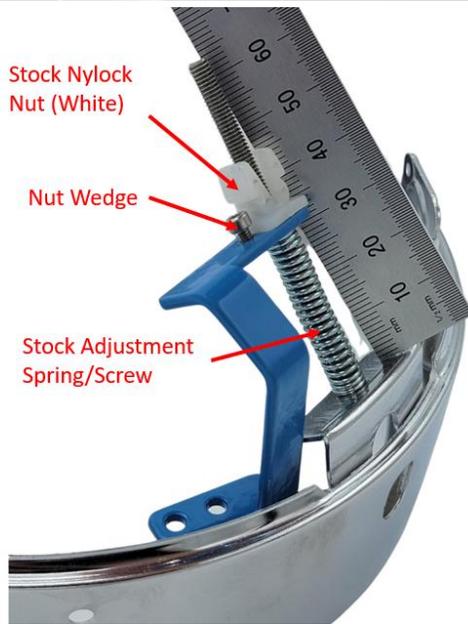
Step 2: Apply the two square black rubber pads to the area pictured (any two tabs). This will eat up any slack between the headlight and the Key Ring. The two tabs pictured should be at the top of the headlight during the next steps.

Step 3: Take the assembled Key Ring and align the keyway and key of the LED Headlight. Be sure to have the Key Ring sit flush with the headlight.





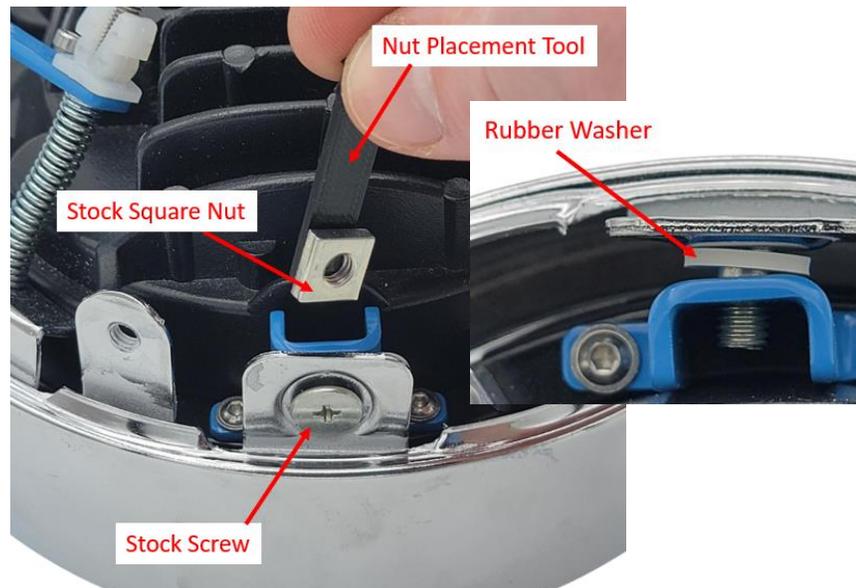
Step 4: Add the Clamp Ring to the front of the LED Headlight. Align the Clamp Ring's tabs to each of the Clamp Slides. Place the clear cushioning washer between the Clamp Ring tab and the Clamp Slide. Add the M3x10 screw. Do not tighten it all the way. Do this for the remaining two tabs/Clamp Slides. Apply force between the Clamp Ring and Key Ring while tightening the M3x10 screws. Tighten until the screw shows or comes close to the back side of the Clamp Slide. Do this equally to the remaining two screws. DO NOT OVER TIGHTEN



Step 5: Insert the M2.5 counterbore screw with Loctite on the Adjustment Piece to act as the nut wedge. Place the stock Nylon nut (White) over the Adjustment hole. Make sure the Nylon nut hole is aligned with the Adjustment Piece hole. If your Nylon nut is worn down you can try to use an M4 Nylock nut.

Step 6: Now add the stock adjustment screw and spring between the bezel adjustment mount and the Adjustment Piece.

Step 7: Using a skinny flat head or Philips head screwdriver, thread the M4 screw in the Nylon nut. Apply downward pressure on the Nylon nut. Screw until the spring is compressed to around 32 to 35 mm.



Step 9: Slide a rubber washer between the Bezel mount and the Adapter Mount. Hold it in Place with the stock screw.

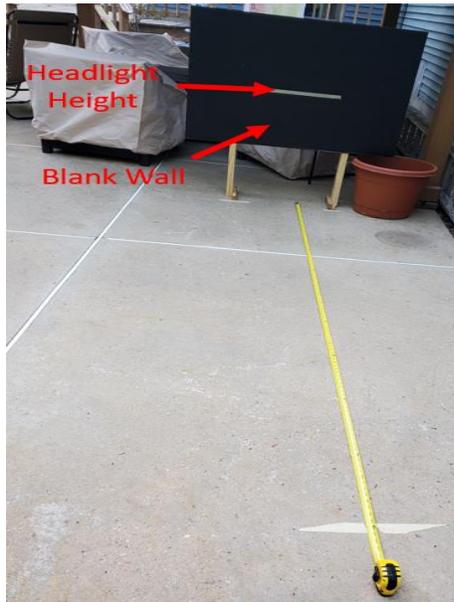
Step 10: Using the provided Nut Tool position the stock square nut inline with the bezel and adapter mount holes. Screw the stock screw until you get engagement with the nut. Remove the Nut Placement Tool. Repeat on the other side. Tighten fully.

Step 11: Attach the Adjustment Piece to the Key Rings using the remaining M3 short screws.



Step 8: Slide the LED Headlight Assembly into the Bezel. Position the bottom of the headlight assembly in first getting under the Adjustment Piece. Be careful not to scrape the front face of the Clamp Ring.

Adjustment:



Step 11: Install the headlight in your bike. See the beginning steps and go in reverse. Take a moment and look at your new LED headlight assembly! Doesn't it look good?



Adjustment: After the headlight is installed on your bike position the bike 10 feet from a blank wall. Measure from the ground the height of the headlight (to center) with the rider sitting on it. Now mark your wall with this dimension. Adjust the headlight until the low beam pattern is equally spaced over the line on the wall.

Congrats you are ready to ride!

Maintenance:

All hardware should be checked periodically (2000 miles). If riding on rougher terrain check more often. Hardware should be inspected and retightened. Contact Info@NextLvlInnovation.com for more information.

Warning:

Next Level Innovation LLC (NLI) is not associated with other OEM or third party companies. NLI is not responsible for the misuse or void of warranty this may cause to your motorcycle. Use at your own risk.