



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 [Hardware Guide Included 1:1 Scale]:

M2, M3, M4 Allen Wrench

5 mm Hex Socket (Could use 9/32 if needed)

Phillips Head Screwdriver

Heat Gun / Blow Dryer

Part Descriptions:

This adapter will fit most 5.75" aftermarket LED Headlights in the stock bezel of a Yamaha Stryker and Raider motorcycles. It will also offer minor vertical adjustment and stability.

Key Ring: Mates with the LED Headlights Key and has external threads along with mounting threads.

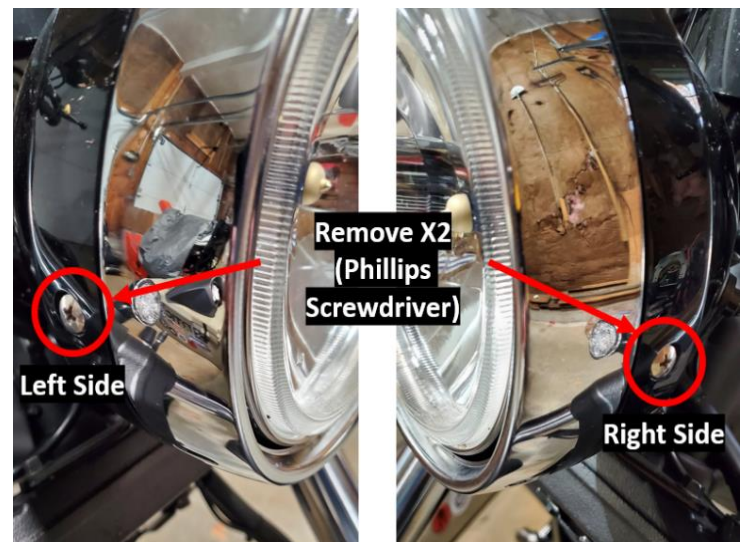
Clamp Ring: Clamps the LED Headlight against the Key Ring. Has internal threads.

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

Adjustments: Front and back parts for Headlight angle adjustment and stability/vibration damping.

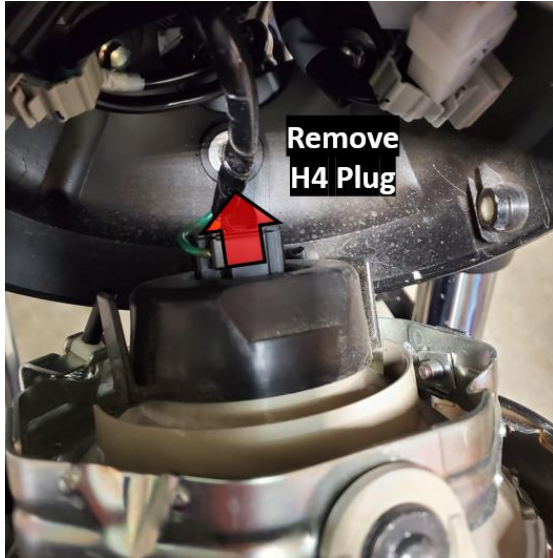
Lock Ratchet: Locks the Clamp Ring location against the Key Ring.

Uninstall of Stock Halogen Light:

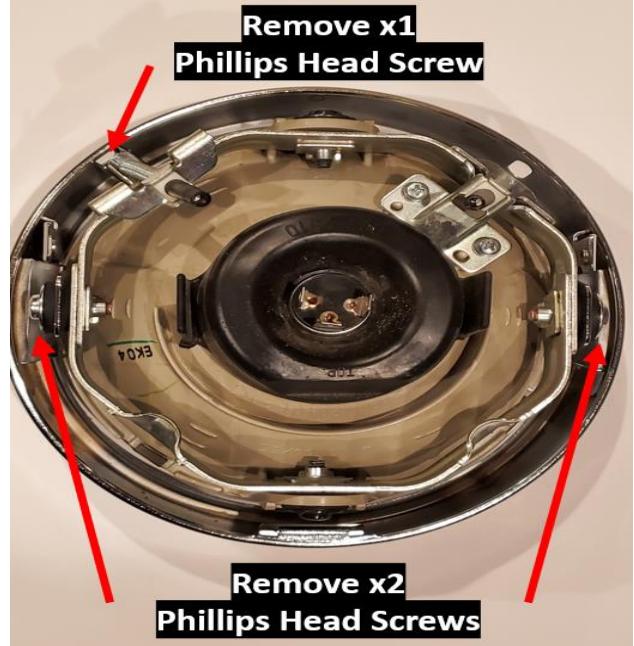


Step 1: Remove the Bullet Cowl by removing 4 flat head screws with an M4 Allen Wrench. The vibration washers may be free floating, don't lose these.

Step 2: Next 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 3: Remove the Headlight assembly by slightly twisting and pulling on the bezel. Then unplug the H4 plug.



Step 4: Remove the adjustment bracket by removing two Philips head screws. Remove one of the adjustment screws from the bezel. Keep the screws and T-Nuts for later use. Keep the grommets in the bezel mounts.

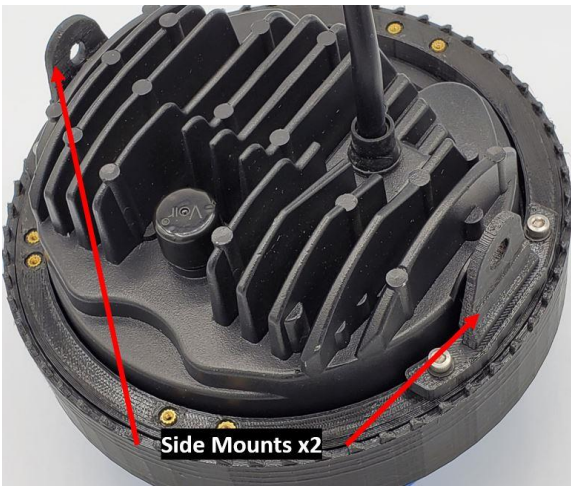
Install LED Headlight:



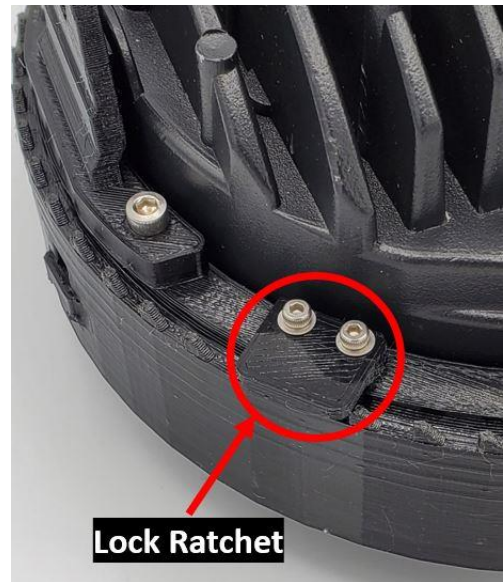
Step 1: Take the Key Ring and align the keyway and key of the LED Headlight. Make sure the thread inserts are facing away from the headlight. Also be sure to have the key ring sit flush with the headlight.



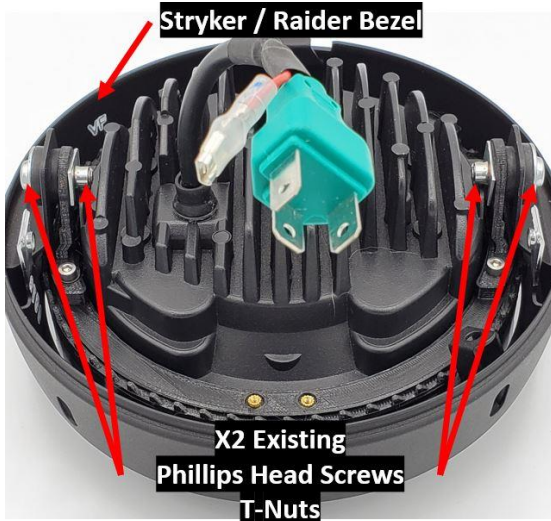
Step 2: Holding the LED Headlight lens up and keeping the Key Ring flush with the headlight apply the Clamp Ring. Spin the Clamp Ring clockwise. The threads should engage the Key Ring. Tighten the Clamp Ring (DO NOT OVER TIGHTEN). The Clamp Ring should be tight enough where the headlight has no play within the setup.



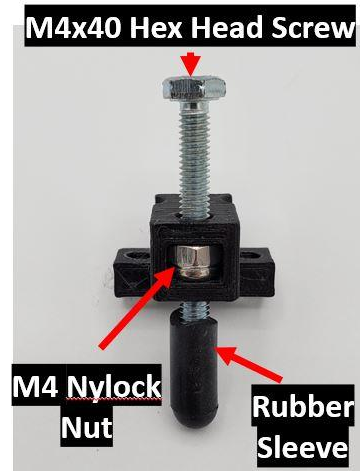
Step 3: Add both side mounts using the supplied M3 Socket Head screws and M3 washers. *Do not overtighten*, this may lead to stressed plastic or broken pieces. The screws have thread lock patches.



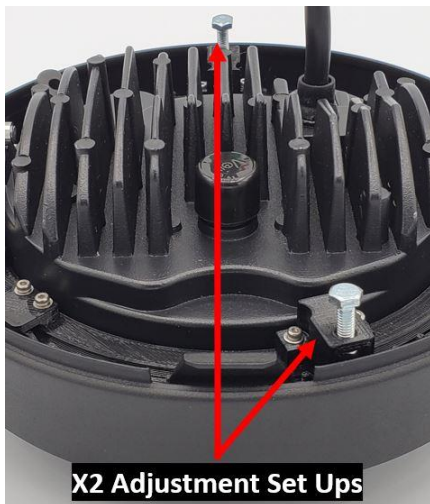
Step 4: Add the Lock Ratchet using the supplied two M2 Socket Head screws and M2 washers. The teeth of the Lock Ratchet should mesh with the teeth of the Clamp Ring. If this is not the case, try tightening/loosening the Clamp Ring. A heat gun can be used to help loosen the grip between the threaded parts.



Step 5: Slide the Yamaha Stryker / Raider Bezel over the top of the LED bracket. Line up the side mount holes with the bezel mounts. Use the existing hardware from the stock headlight. Have the T-Nuts facing each other.



Step 6: Build the Adjustment setup (X2) using the M4x40 Hex head screw, the M4 Nylock Nut and the rubber sleeve. Make sure the flat portion of the nut is facing up toward the Hex head. This assembly may be built for you. The nut may be adhered in the adjustment mount.



Step 7: Add the Adjustment setup (X2) using the M3 socket head screw and the M3 washers. Overtightening may destroy the plastic parts.

Adjustments:



Level Adjustment: On the Stryker Bezel set the M4 screw (X2) to a distance of 6-7 mm from the top of the adjustment piece. This should give the headlight assembly a centered adjustment. This will differ on the Raider Bezel. On the Raider set the top adjustment to around 10-11 mm and the bottom adjustment to 6-7 mm.

Max/Min Adjustment: Unscrew both adjustments so the bracket is free to rotate. Depending on whether you want the light to be angled up or down, lower that corresponding adjustment all the way till its touching the bezel. Now adjust the second adjustment till it touches the bezel and gives a good hold/vibration dampening.

Different Headlight Solutions:



T-Nut Placement: You may come across LED Headlights with a wire placement very close to the side mounts. If this is the case flip the T-Nut so that it goes inside the Side mount hole. This will open up clearance between the LED adapter assembly and the LED cable.

Maintenance:

All hardware should be checked periodically (750 – 1000 miles). If riding on rougher terrain check more often. Hardware should be inspected and retightened. Plastic parts should be inspected for any stress cracks or deterioration. Contact NLInnovationLLC@Gmail.com for more information.

Painting: Look online on how to paint plastic. Cover the internal threads and ratchets with painter's tape. The only part that needs to be painted is the Clamp Ring.

Warning:

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