

**Paul Yaffe's
Bagger
Nation™**



**LIGHTNING BULLETS
ROAD GLIDE
INSTALL
INSTRUCTIONS**



PAUL YAFFE ORIGINALS
DESIGN & DEVELOPMENT

Thank you for purchasing Paul Yaffe's Bagger Nation products. Please read through these instructions completely before attempting installation.



1. Removing your outer fairing per your factory service manual. First remove the (4) wind screen screws, two on the right and two on the left. (Fig #1)

Second remove the upper fairing air duct cowl by gripping the cowl from the forward vent opening and sharply pulling upwards to release the cowl from its snapped in position. (Fig #2)



Next, using a plastic pry tool or a medium standard screw driver blade (**TIP: wrap blade in masking tape to protect paint**) pry up the inside upper corner of the speaker grill until it snaps free. (Fig #3 / #4) At the bottom outside corner of the speaker housings you'll find a #T-27 Torx head screw, remove it at this time. (Fig #5)





Continuing, locate the two #T-20 Torx head screws that hold your fairing wind guards on (locate on fairing outer edges below glove box doors) remove the lower screw only on each side (Fig #6). The last (2) screws to remove will be the 1/4x20 allen heads that bolt through the stock turn signal bodies on each side of the fairing. (Fig #7)

(TIP: Support the fairing by holding the brow over headlight as you remove the last allen bolt) This will release the outer fairing cover. Unplug each turn signal wire from its connector to release outer fairing completely. (Fig #8 - #10)



2. Place your outer fairing on a soft, stable surface nose down. Unscrew the inner turn signal mount screw from each side.

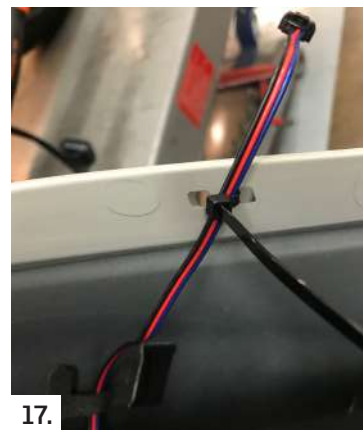
Note: This will release your stock signals from the outer fairing. Next clip the zip tie retaining your stock signal wires to the top of fairing and gently unpeel the foam wire retainers from one side only releasing the signal wires as you work your way from top to bottom.

(TIP: Do not remove the wire retainer foams completely! We will reuse for the Lightning Bullet wires) Pull your stock signal wire connector through the holes in fairing and remove your stock turn signals and inner fairing locks. (Fig #11 - #14)



3. Locate your new Bagger Nation Fairing Locks **(TIP: There is a right and left designation on inside surface of fairing locks)** Slide either right or left fairing lock into place where you removed the stock fairing lock. (Fig #15)

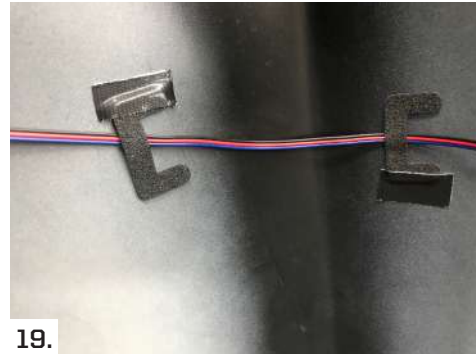
Locate the 10x32 phillips head screws provided (TIP: They are the shorter of the two screw sets) Locate the Lightning Bullet Lights which are also designated right and left on the inside mounting surface. Thread connector and wires through fairing and opening in fairing lock. Secure the bullet light to the outer fairing by tightening the 10x32 screw through the small hole boss in fairing lock into the brass bushing in bullet light.



Repeat Step 3 on opposite side of fairing.

- Using retained wire loom foams run Lightning Bullet wires up inside of fairing and secure with zip ties provided in the same fashion as the stock wires you previously removed. Clip zip tie tails. (Fig #16 / Fig #17)

[TIP: I like to use a little strip of duct tape to secure the wire foam where the adhesive is compromised] (Fig #18 - #21)



- The inside of outer fairing should basically look just like it did when you initially removed it. You are ready to reinstall the fairing. Slide fairing into place making sure the Lightning Bullet wire connectors are sticking up from top of fairing and accessible. Reinstall the #T-27 Torx screws inside the speaker housings and finger tighten only to hold the outer fairing in place. Plug the Lightning Bullets into the signal connections. Turn on power and verify both daytime running light and signal functions. (Fig #22 -#24)



6. Pretty easy so far right? OK, stay with me now as a walk you through these next couple steps that simply REQUIRE you to take your time and NOT force anything back together! A little patience here will prevent you from the possibility of damaging your fairing.

The 2015 & later HD Road Glide fairing inner and outer are NOT the best fitting or perfectly mated parts. Taking them apart is easy however, putting them back together takes a bit of finesse. Look at (Fig #25) What its demonstrating is a common misalignment issue between the outer turn signal mount hole and the delicate threaded brass bushing inside the fairing that the mount screw threads into.



Be careful here NOT to cross thread the mount screw here! Here's a few tips to avoid cross threading these 2 screws:

- 6A. With only the two speaker housing screws loosely installed to support the fairing, have someone push back on the nose of the fairing and see if the bushing and mount holes line up better, install screws but don't fully tighten at this time.

Tip: If the screw is requiring a lot of torque OR / AND is making a loud squealing or creaking sound as you turn it you may be starting to cross thread.

STOP!

Realign screw and try again.. If it starts to cross thread again you may need to remove outer fairing, tap the $\frac{1}{4}$ x 20 threads in the brass bushing and I like to bevel the outer edge with a countersink bit at this time too. (Fig #26 = bad threads) (Fig #27 = Restored + countersunk edge)



6B. You can also use a drift to insert in the threaded hole and gently pry the outer fairing hole and threaded bushing hole into alignment so you can get the screw started. Make sure the drift is deep in the bushing so as to not potentially damage threads near the outside of bushing where screw needs a clean "start"... Jack likes this method... (Fig #28)



6C. Lastly I've had success by tapering the end of the 1/4 x 20 Allen bolt to a dull point and then chasing the threads with a die to reestablish them. This allows me to use the bolt as a starter pry and straighten it once it's inside the bushing ready to start. I like to use a low torque screw gun for this. (Fig #29 / Fig #30)

DO NOT OVER TIGHTEN



Hopefully you will not experience any of the above difficulties outlined in step #6 or tips A,B and C. We often don't. Of course when I was doing this install and instructions I did so I wanted to outline just in case.

7. Finish reassembling your outer fairing basically in reverse of its disassembly. You're done! Now go out and brag about your new Bagger Nation Lightning Bullets to your buddies and tell them where you got them!

Thanks for choosing Bagger Nation Designs!





LIGHTNING BULLET ⚡

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