

ASSEMBLY INSTRUCTIONS

HARLEY-DAVIDSON BREAKOUT, FAT BOY 2025- REAR FENDER "AVENGER"



RF-AVG2

For questions pertaining to the installation of this product, please contact our Killer Custom technical department at info@killercustom.com.

This product is manufactured in Europe by Killer Custom

NOTE: Killer Custom assumes no responsibility or liability for damage or injury of any kind arising out of the use or misuse of any products.

1. Check all clearances before, during and after installation.
2. Remove the OEM seat from your motorcycle. Note that original seat can't be used with our "Avenger" rear fenders, you have to use included seat pan to build your own new seat or purchase separately one of our suggested seats.
3. Remove the OEM rear fender including side supports and the license plate support bracket assembly.
4. Make sure that the fender is completely dry after paintwork. Install the rear and the turn lights into fender. Use the silicone or similar glue for the turn lights. The left turn signal has 85 cm (~33 1/2") wire. After putting the wire through the hole insert the pins into the 4-pin male connector until you hear a "click", following this wiring scheme:

- Pin 1: (Empty)
- Pin 2: Yellow
- Pin 3: (Empty)
- Pin 4: Black



5. The right turn signal has 8 cm (~3") wire. After putting the wire through the hole insert the pins into the 2-pin male connector until you hear a "click", following this wiring scheme:

- Pin 1: Yellow
- Pin 2: Black



6. For the run/brake light you can use the included self-tapping screws or also use glue. Make sure the text is correctly oriented (not upside down). Put the wiring through the through the hole and insert the pins into the 4-pin male connector until you hear a "click," following this wiring scheme:

- Pin 1: Yellow
- Pin 2: (Empty)
- Pin 3: Red
- Pin 4: Black



7. Connect the run/brake light and right turn signal light using the provided pre-wired connector then plug into the load equalizer or directly to the motorcycle. Connect the left turn signal light – wire it directly to the load equalizer or the motorcycle. Test the system – verify functionality using the KC load equalizer.

8. Put your "Avenger" rear fender on your motorcycle adjust the position and bolt it on. Use the included cover plates under the bolts. There are predrilled holes on the fender, in some cases you may need to adjust the holes' shape or position.
9. Put the console between the gas tank and the seat as shown on the picture below and adjust its position. Use the included 1/4"-20 X 3/4" hex bolts and washers to replace the OEM ones. You may also need to adjust the shape of the console according to the shape of your tank and seat (Fig. 1).
10. Put the two included spacers on the shock absorber rim as shown on the Figure 2 Use thread locking glue on bolts (not included). The spacers should be between the damper and shock absorber head.

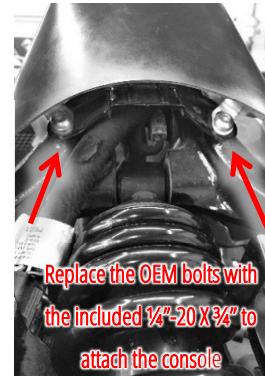


Fig.1

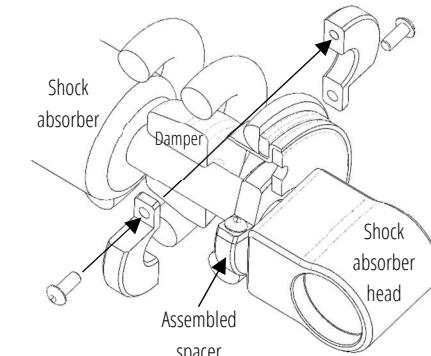


Fig.2

11. Remove the upper rear frame crossmember holding the preload adjuster and relocate the preload adjuster using included relocation bracket as shown on the figures 3 and 4. Don't put the upper rear frame crossmember back after relocation.

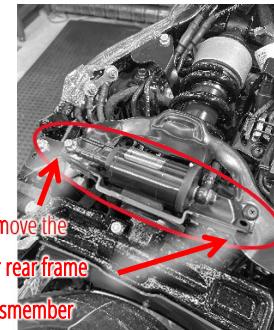


Fig. 3

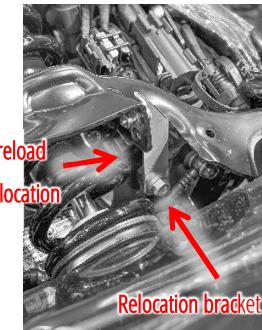


Fig.4

12. Attach the seat/seat pan on the motorcycle and the installation is complete.
13. Check wire clearance – ensure that no wires are exposed to the rear wheel.
14. BCM Programming – some motorcycle models may require BCM (Body Control Module) programming.
15. After the installation make a test drive to be sure everything is working perfectly.

NOTE:

- Installation of this kit requires detailed knowledge of the motorcycle model and mechanics. It is assumed that the installer has access to the proper tools and a working knowledge of them and factory service manuals.
- Before the painting the parts first you have to put those on the motorcycle and make sure that everything is adjusted and fits perfectly.
- This kit is designed to use with the original shock absorbers, but for better look you may need to use air ride suspension.