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P/N: VM-HG210



## ***Honda Grom (2022+) Fender Eliminator Installation Instructions***

### **TOOLS REQUIRED:**

- Ratchet (1/4" or 3/8" drive) and extension
- 14mm hex wrench
- 8mm, 10mm sockets
- Phillips screwdriver
- Flathead screwdriver
- Needle nose pliers
- Flush cutters or dikes

### **PARTS INCLUDED:**

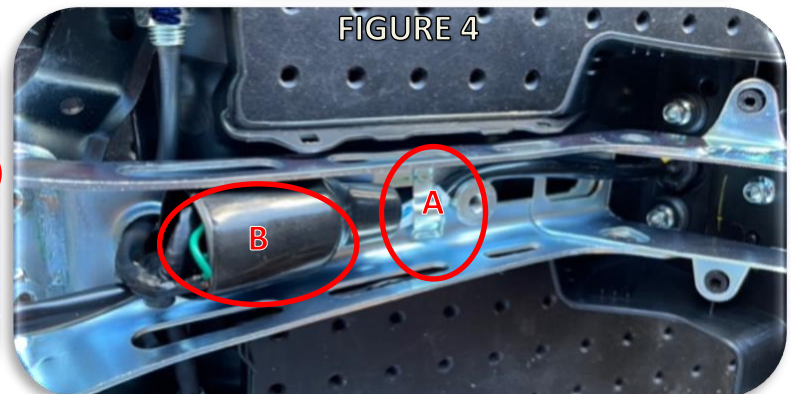
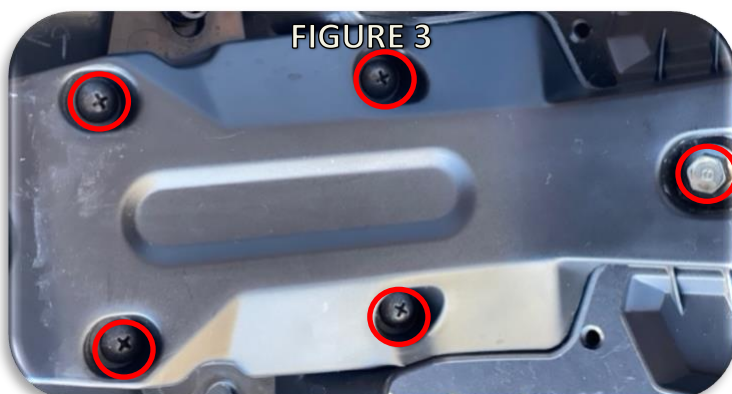
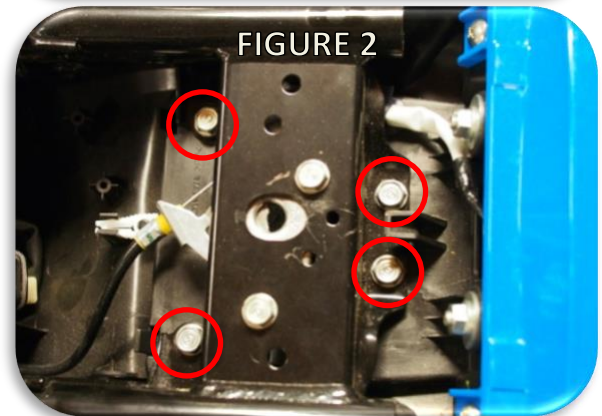
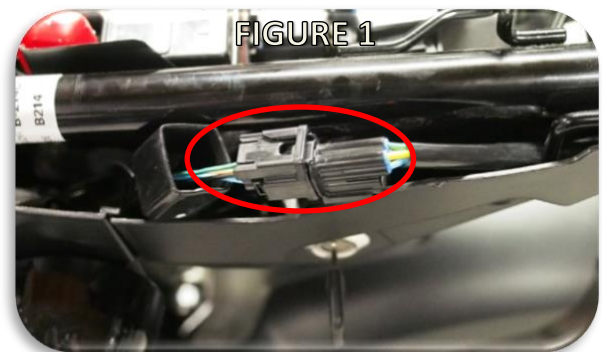
- Fender Eliminator body
- 4X M6 flanged lock nuts
- 2X Steel spacers
- 2X Plastic washers
- 2X Stainless steel washers
- 2X Rubber bumpers
- Rubber grommet
- Cable tie mount
- Cable tie

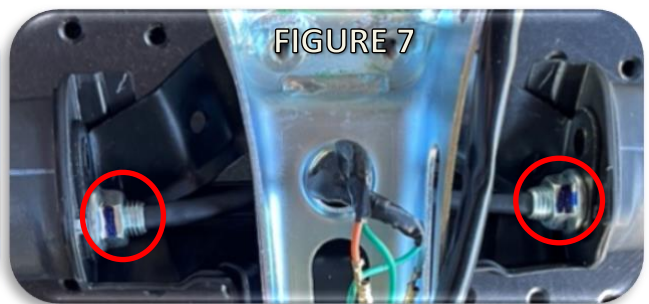
### **INSTALLATION VIDEO:**

We've created a YouTube video to help explain the installation steps in more detail. Search "Vagabond Motorsports 2022 Honda Grom Fender Eliminator Installation" or use the link: <https://youtu.be/WWVuDMH9t88>

### **INSTALLATION STEPS:**

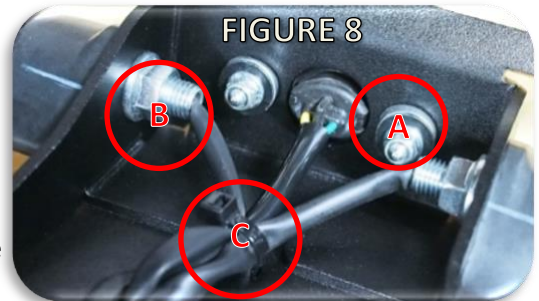
1. Remove the rear seat (key in left side of frame).
2. Unplug the license plate light and turn signal electrical connector tucked into the plastic panel on the left/shifter side (black wire loom with 4-pin connector near the battery, FIGURE 1). Pull the black protective boot and push the tab down in the connector to release.
3. Remove the four bolts (10mm socket, FIGURE 2) that attach the rear fender to the frame. Remove the rear fender assembly from the motorcycle and guide the wire loom out of the hole in the under-tail tray of the motorcycle.
4. Remove the license plate from the OEM rear fender (hardware may vary dealer to dealer). This hardware will be reused to mount the license plate to the fender eliminator so do not discard.
5. Remove the plastic cover from the factory rear fender assembly by removing the four Phillips head screws and one 10mm hex-head screw on the bottom side (FIGURE 3).
6. With a flathead screwdriver, pry up the metal tab that holds the wiring loom to the metal fender frame (FIGURE 4A) and release the wiring. Slide the black boot back from the connector bundles (FIGURE 4B). Disconnect the four turn signal electrical connectors (needle nose pliers help release bullet connectors but careful not to pull too hard and damage the wiring, FIGURE 5A).





7. Remove the license plate light from the OEM fender (two 8 mm nuts, FIGURE 5B). Remove and keep the nuts, rubber gasket, steel shoulder bushings and washers from the license plate light as they will be reused. NOTE: There may be two steel washers stuck together in the factory assembly between the shoulder bushings and the rubber gasket. For the fender eliminator installation, use only a single washer on the shoulder bushing (FIGURE 6). The washers may be stuck together and need to be split apart with a screwdriver. If no washers are present in the factory install, use the two supplied stainless steel washers in the kit.
8. Remove the right and left turn signals from the OEM fender (14mm nuts, FIGURE 7). You will reuse the flanged nut but the teardrop shaped steel washer plate will not be reused and can be set aside. Use video for reference if needed.
9. Remove the black rubber boot from the license plate light wiring loom. NOTE: the boot will remove much easier if a liquid spray is used such as Windex or other evaporating liquid.

10. Install the license plate light into the fender eliminator body by reusing the OEM rubber gasket and hardware (FIGURE 8A). Per the note in step 6, use only one washer between the shoulder bushing and the grommet to improve the light fitment. Pass the wiring loom through the rectangular hole in the fender eliminator.
11. Install right and left turn signals into fender eliminator (FIGURE 8B). The holes in the fender eliminator are specially shaped to clock the turn signals at the appropriate angle so ensure the turn signals are fully seated. Note that you do not reuse the OEM teardrop-shaped steel washer plate for this step.

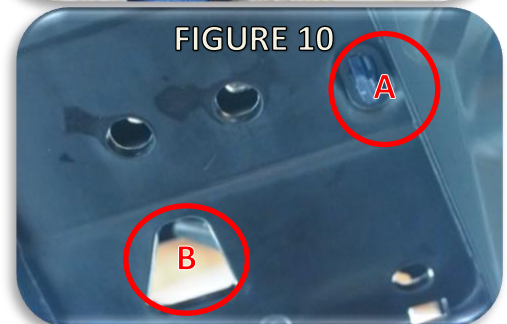


12. Install the supplied rubber grommet over the wiring loom, including the turn signal bullet connectors and install the grommet into the fender eliminator (FIGURE 9A). Rolling the grommet over itself for the larger electrical connector will make this process easier. Use video for reference if needed.
13. Pass the turn signal wires through the grommet and re-connect the turn signal electrical bullet connectors.



14. Install the supplied cable-tie mount into the hole in the fender eliminator (FIGURE 9A). Use the supplied cable-tie and pass through the cable-tie mount and loop all the wiring harnesses under the fender eliminator. Tidy up the wiring and tighten the cable-tie, trimming the excess cable-tie with flush cutters or dikes (FIGURE 8C).

15. Reinstall the rubber boot over the wiring loop with the big end first (flipped from original direction) and slide down over the bullet connector bundle.
16. Prep the fender eliminator for install by placing the supplied plastic washers over the front studs (FIGURE 9C) and the supplied steel spacers over the rear studs (FIGURE 9D).



17. Squeeze the sides and release the cable tie mount in pocket for the rear fender (FIGURE 10A).
18. Install the assembled fender eliminator on the motorcycle. Start by threading the wiring through the hole in the plastic under-tail (FIGURE 10B) and then line up the four threaded studs on the fender eliminator with the four holes on the motorcycle subframe. Secure the fender eliminator loosely to the motorcycle with one of the four supplied flanged nuts.
19. Route the wiring loom forward under the seat latch and under the subframe next to the key cylinder for the seat release and reconnect the black 4-pin connector. Make a service loop of the excess wiring and tuck into the area under the seat.
20. Secure the fender eliminator by installing and tightening the remaining flanged nuts.
21. Re-install rear seat. Install the license plate with the original dealer-supplied hardware.

#### TERMS & CONDITIONS

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