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P/N: VM-HG750



## ***Honda Grom (2017+) Cargo Rack & Fender Eliminator Installation Instructions***

**TOOLS REQUIRED:**

- Ratchet (1/4" or 3/8" drive) and extension
- 10mm, 14mm hex wrench
- 8mm, 12mm sockets
- Phillips screwdriver
- Needle nose pliers

**PARTS INCLUDED:**

- Fender Eliminator Body
- Cargo Rack
- 2X M8 flanged nuts
- 2X Stainless steel washers
- 2X Rubber bumpers
- Rubber grommet

**INSTALLATION NOTES:**

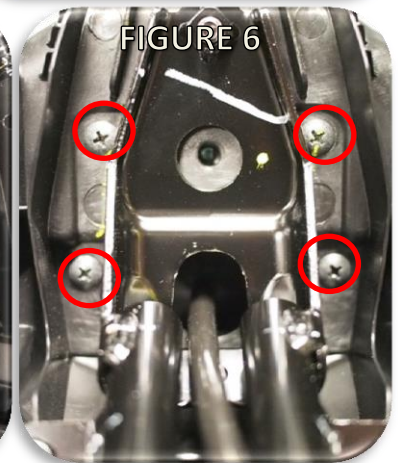
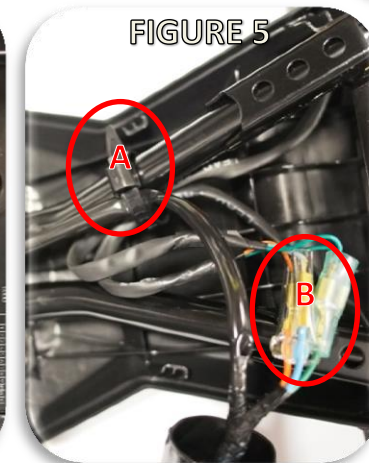
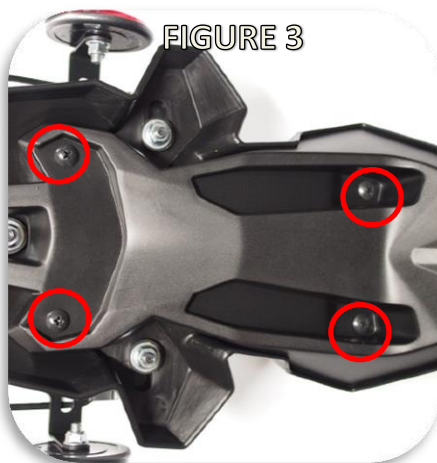
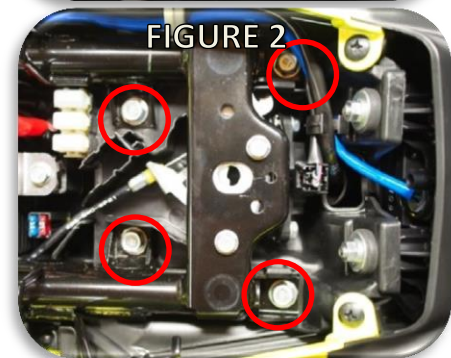
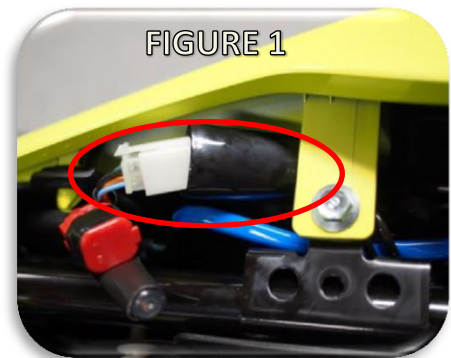
**NOTE #1:** This installation requires the re-use of two of the four OEM flanged bolts use to bolt the factory fender to the sub-frame. If you have discarded these bolts please contact Vagabond Motorsports for replacements or purchase two at a local hardware store. The bolts are metric M8 x 14mm long (standard 1.25mm thread pitch).

**INSTALLATION VIDEO:**

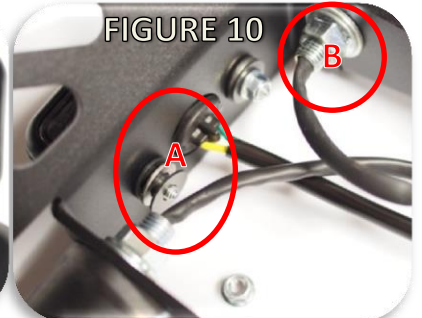
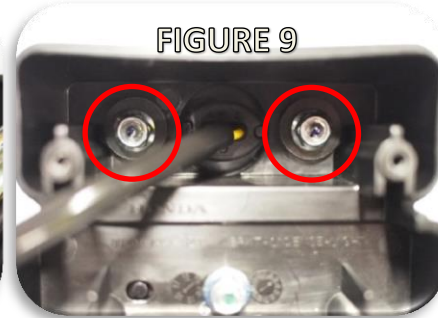
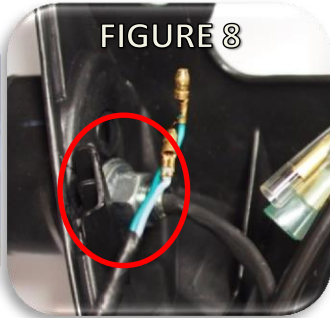
We've created a YouTube video to help explain the installation steps in more detail. Search "Vagabond Motorsports 2017 Honda Grom Cargo Rack Install" or use the link: <https://www.youtube.com/watch?v=2cezvklvUvA>

**INSTALLATION STEPS:**

1. Remove the rear seat (key in left side of frame)
2. Unplug the license plate light and turn signal electrical connector (black wire loom with white 4-pin connector near the battery, FIGURE 1) and unclip the wire loom from the plastic clips.
3. Remove the four bolts (12mm socket, FIGURE 2) that attach the rear fender to the frame. Be careful not to drop the bolts down the holes in the sub frame tubes. Placing tape over the sub-frame holes will help prevent this. You will reuse two of these bolts so set them aside.
4. Slide the rear fender assembly rearward and remove from motorcycle.
5. Remove the license plate from the OEM rear fender. (2X Phillips head screws and 10mm lock nuts, hardware may vary dealer to dealer). This hardware will be reused to mount the license plate to the fender eliminator so do not discard.
6. Remove the plastic cover from the factory rear fender assembly by removing the four Phillips head screws on the bottom side (FIGURE 3) and one Phillips head screw on the top side (FIGURE 4).
7. Remove the cable tie that attaches the wiring to the fender frame (FIGURE 5A). Disconnect the turn signal electrical connectors (needle nose pliers help release bullet connectors, FIGURE 5B).
8. Remove the license plate light assembly from the OEM rear fender (four Philips head screws, FIGURE 6). Pull light assembly and wiring through the hole in the steel frame and set aside.



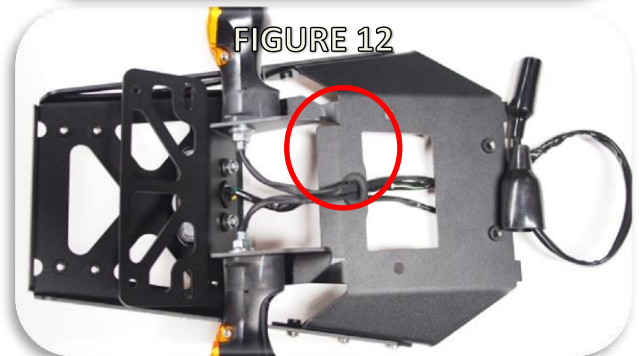
9. Remove the steel frame from the plastic shell (8mm flanged bolt under license plate light, FIGURE 7).
10. Remove the right and left turn signals from the OEM fender (14mm nuts, FIGURE 8). You will reuse the flanged nut and round washer but the teardrop shaped steel washer plate will not be reused and can be set aside. Use video for reference if needed.
11. Remove the license plate light from the OEM plastic spacer (two 8 mm nuts, FIGURE 9). Remove and keep the nuts, rubber gasket and steel bushing spacers from the license plate light as they will all be reused.



12. Install the license plate light into the fender eliminator body by reusing the OEM rubber gasket and hardware. Use the two supplied washers in between the two steel bushing spacers and the rubber grommet (FIGURE 10A) to improve the light fitment. Use video for reference if needed.
13. Install right and left turn signals into fender eliminator (FIGURE 10B). 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.
14. Install the supplied rubber grommet over the wiring loom, including the black cover for the turn signal bullet connectors (FIGURE 11). Rolling the grommet over itself for the larger parts will make this process easier.
15. Re-connect the turn signal electrical bullet connectors.



16. Thread all the wiring through the oval hole in the cargo rack base plate and then install the grommet into the same hole (FIGURE 12). Leave a little slack in the wires between the two components (the fender eliminator will hang from the cargo rack for the next step). Use the video for reference if needed.
17. Install the cargo rack onto the motorcycle. Start by threading the wiring up through the rectangular hole in motorcycle. Hold the rack at angle at first to slip the rack around the tail light of the motorcycle (FIGURE 13), then rotate the rack to horizontal. Finally slide the rack forward to engage the two tabs on the rack into the slots in the under-tail of the motorcycle. Install the two factory bolts into the threaded inserts at the front of the cargo rack. Use the video for reference if needed. Pull the excess wiring snug.



18. Install the assembled fender eliminator onto the motorcycle by lining up the two threaded studs on the fender eliminator with the two holes on the rack and motorcycle subframe. Secure the fender eliminator to the motorcycle with the two supplied flanged nuts. Torque to 23ft-lbs if possible.
19. Route the electrical wires alongside the right (brake side) side of the subframe and reconnect the white 4-pin connector. Make a service loop of the excess wiring and tuck into the space of the plastic side panel. Close the OEM wire guides around the wiring loom.



20. Re-install seat and license plate with the original dealer-supplied hardware.
21. Perform a system test to ensure all lights are functional and double check that all hardware is tight.

#### TERMS & CONDITIONS

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