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P/N: VM-HF610



## ***Honda CB650F / CBR650F (2018+) Fender Eliminator Installation Instructions***

### **TOOLS REQUIRED:**

- 5mm allen wrench
- Ratchet (1/4" or 3/8" drive) and extension
- 8mm, 10mm sockets
- 8mm hex wrench
- Phillips screwdriver
- Flat head screwdriver
- Flush cutting pliers

### **PARTS INCLUDED:**

- Fender Eliminator Body
- 2X Turn signal spacers
- 2X M6 flanged nuts
- 2X Aluminum spacers
- 2X Rubber bumpers
- 2X Rubber grommets
- 1X Cable tie
- 1X Cable tie mount

### **INSTALLATION VIDEO:**

We've created a YouTube video to help explain the installation steps in more detail. Search "Vagabond Motorsports 2018 Honda CB650F Fender Eliminator Install" or use the link: <https://youtu.be/qHAMdcw6Qxo>

### **INSTALLATION STEPS:**

1. Remove the rider's seat (key in left side of frame).
2. Remove the reusable cable tie securing the wiring looms together (FIGURE 1).
3. Pull the electrical connector block up off its plastic tab and separate the black rubber boot (FIGURE 2). Disconnect the orange, white, and blue 2-pin connectors for the turn signals and license plate light. A small flathead screwdriver is useful to gently lift the locking tab on the connectors.
4. Remove the factory rear fender assembly from the motorcycle (3X 5mm allen head bolts, FIGURE 3 and FIGURE 4). One of these bolts will be reused so set aside. The single forward bolt should be accessible with a standard L-key allen wrench without removing the triangular brace around it. Gently guide the three wiring looms out of two holes in the undertail tray, noting that blue connector needs to be guided under the subframe cross bar and out the hole on the right (brake) side of the undertail.
5. Remove the license plate from the OEM rear fender. (2X Phillips head screws and 10mm 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 (8X Phillips head screws, FIGURE 5). Starting at the rear portion, pop the cover panel off of its retaining tabs, using a flathead screwdriver to help pry it as needed.

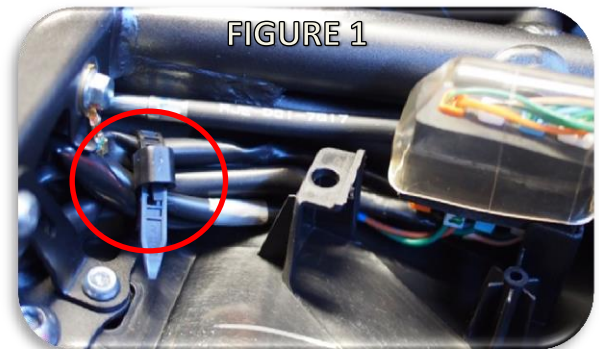


FIGURE 1

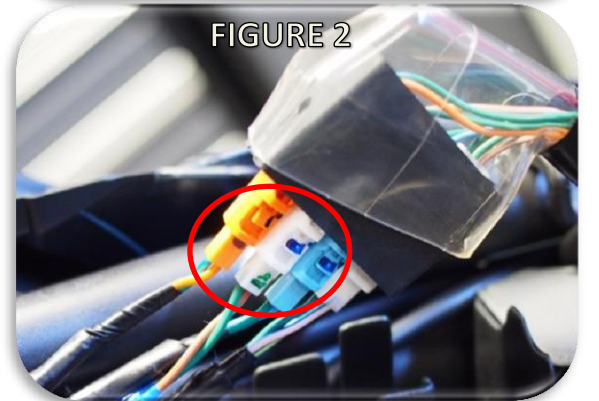


FIGURE 2

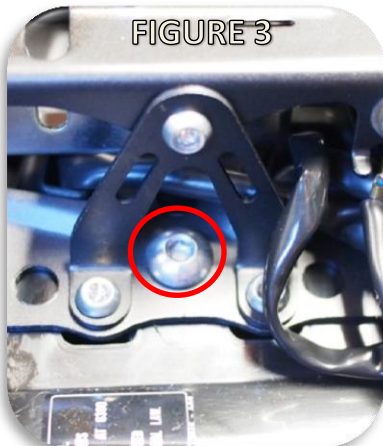


FIGURE 3

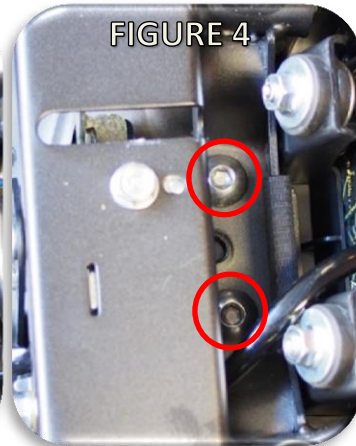


FIGURE 4

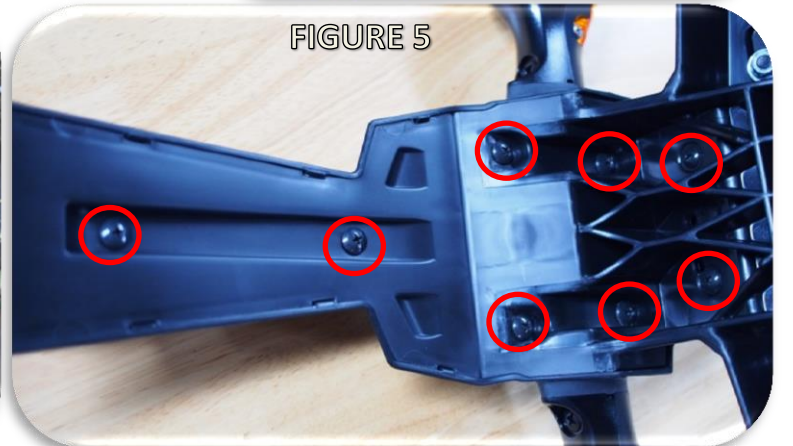
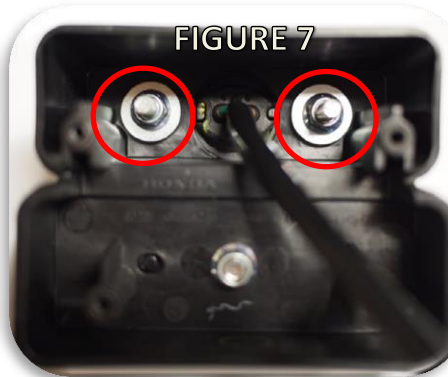
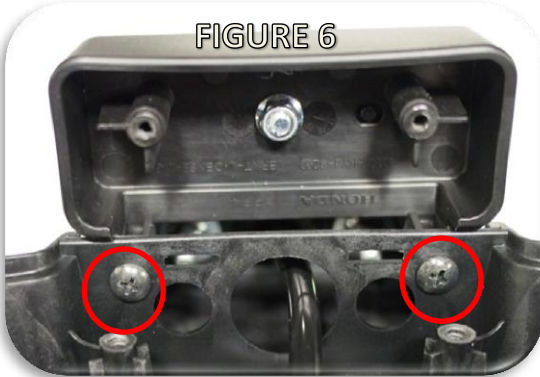
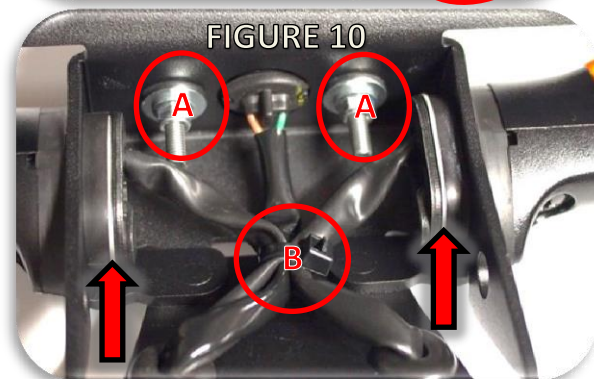


FIGURE 5

7. Remove the license plate light assembly from the OEM rear fender (2X Phillips head screws, FIGURE 6). Pull light assembly and wire harness through the hole in the fender and set aside.
8. Remove the license plate light from the OEM plastic spacer (2X 8 mm nuts, FIGURE 7). Remove and keep the nuts, rubber gasket and steel bushing spacers from the license plate light as they will all be reused.
9. Remove the right and left turn signals from the OEM fender (Phillips head screw, FIGURE 8). Remove turn signal body, steel mounting bracket, screw, and the rubber base grommet as they will all be reused.



10. Begin assembly of the fender eliminator by installing the license plate light OEM rubber gasket and bushings (FIGURE 9A), turn signal base grommets (FIGURE 9B), and the supplied cable tie mount in the hole in the fender eliminator (FIGURE 9C).
11. Install right (blue connector) and left (orange connector) turn signals into fender eliminator using the supplied silver metal spacers in between the steel mounting bracket and the base grommet (FIGURE 10 arrow). Make sure the spacer is sitting flush with the grommet perimeter before tightening the turn signal mount screws.
12. Install the license plate light with the factory lock nuts (8mm socket and wrench required, FIGURE 10A). Tighten until the nuts bottom out on the mount bushings and the light is firmly seated on its gasket.
13. Use the supplied cable tie to secure the three wiring looms to the cable tie mount (FIGURE 10B). Route the wiring looms in an "X" shaped through the cable tie and then through the two oval slots in the fender eliminator. The blue connector will go through the hole nearest the right turn signal, and the other two wiring looms will go through the other slot (FIGURE 11). Trim the cable tie flush after tightening.
14. Thread the electrical connectors through the two supplied grommets and pull the grommets over the wiring looms toward the fender eliminator. Install the grommets into the fender eliminator body by pushing the groove of the grommet into the slots on the fender eliminator (FIGURE 11).
15. Install the assembled fender eliminator on the motorcycle. Use the supplied aluminum spacers on the two threaded studs between the fender eliminator and undertail. Start by threading all the electrical connectors through the two holes in the plastic undertail and then line up the two threaded studs on the fender eliminator with the holes on the motorcycle subframe. Secure the fender eliminator to the motorcycle with the supplied flanged nuts. Use one of the factory fender bolts from Step 4 in the front threaded insert of the fender eliminator.
16. Route the wiring looms in the factory manner, and use the reusable cable to secure a service loop of the excess wiring. Reconnect the three connectors.
17. Re-install rear seat and install the license plate with the original dealer-supplied hardware. Perform a system test to ensure all lights are functional and double check that all hardware is tight before riding the motorcycle.



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