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P/N: VM-H510



## ***Honda CBR500R & CB500F (2016+) Fender Eliminator Installation Instructions***

### **TOOLS REQUIRED:**

- 5mm allen head wrench
- 10mm hex wrench
- 8mm, 10mm socket
- Ratchet and extension
- Phillips screwdriver
- Small flathead screwdriver

**Underlined** tools are included in the OEM tool kit located under the passenger seat

### **PARTS INCLUDED:**

- Fender Eliminator
- 2X OEM turn signal spacers
- 4X M6 flanged lock nuts
- 4X Aluminum spacers
- 1X Rubber Plug

### **INSTALLATION VIDEO:**

We've created a YouTube video to help explain the installation steps in more detail. Search "Vagabond Motorsports CBR500R Fender Eliminator Installation" or use the link: <https://www.youtube.com/watch?v=pHxdGAPB77s>

### **INSTALLATION STEPS:**

1. Remove the rear passenger seat (key slot behind rider seat). Remove the tool bag from underneath the seat if you need the required tool listed above.
2. Pull back the clear rubber boot on the wire loom under the seat and disconnect the electrical connectors for the OEM turn signals and license plate light (white, orange, and blue connectors, FIGURE 1).
3. Remove the OEM rear fender from the motorcycle by removing the bolts that hold it to the sub-frame (4X 5 mm allen head bolts, FIGURE 2). These bolts will not be reused. Gently guide the loose electrical connectors out of the hole in the tail of the motorcycle when removing the fender assembly.
4. Remove the license plate from the OEM rear fender. (2X Phillips head screws and 10mm lock nuts, hardware may vary by dealer). This hardware will be reused to mount the license plate onto the fender eliminator.
5. Remove the plastic shell from the factory rear fender (2X Philips head screws, FIGURE 3 and FIGURE 4A). Use the flathead screwdriver to pry the shell loose at the notches in the circled locations (FIGURE 4B).
6. Remove the OEM turn signals from the OEM fender (2X 10 mm nuts, FIGURE 5). Remove the complete turn signal assembly (nut, washer, cover plate, rubber grommet and turn signal) on each side and set aside as this will all be reused if you are reinstalling the OEM turn signals.
7. Remove the license plate light and reflector mount from the OEM rear fender (4X Philips head screws, FIGURE 6).

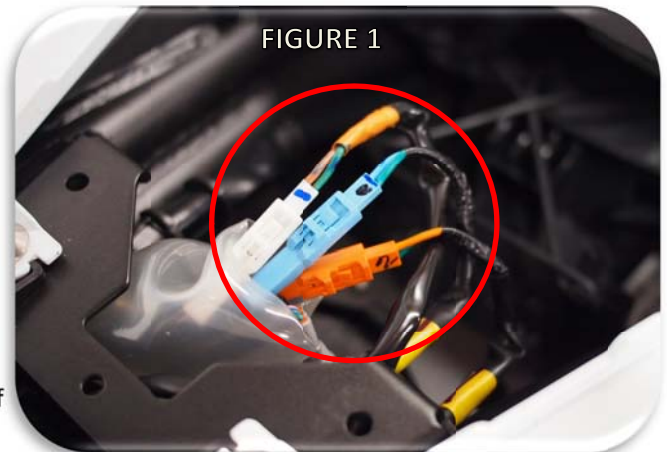


FIGURE 1

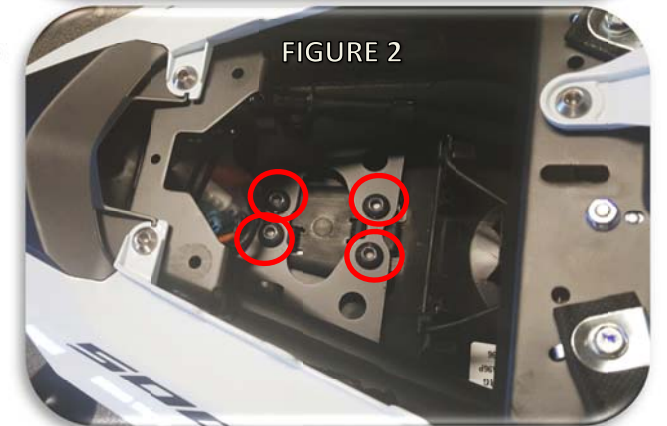


FIGURE 2



FIGURE 3



FIGURE 4

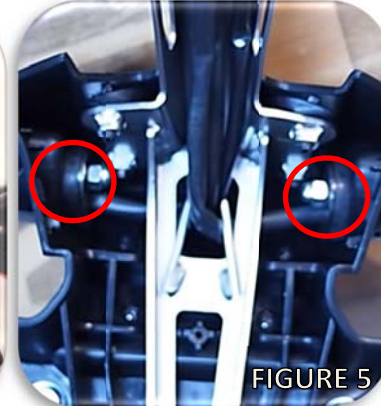


FIGURE 5

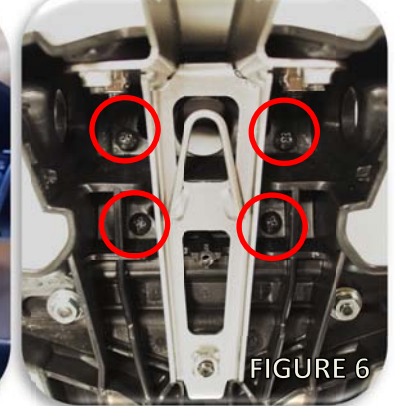
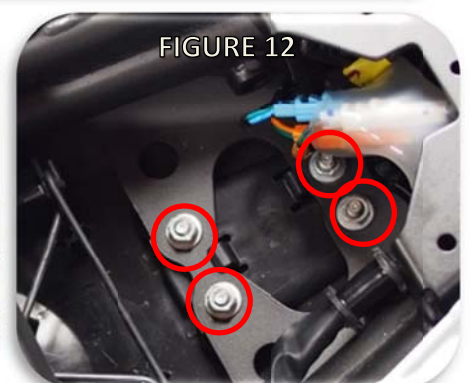
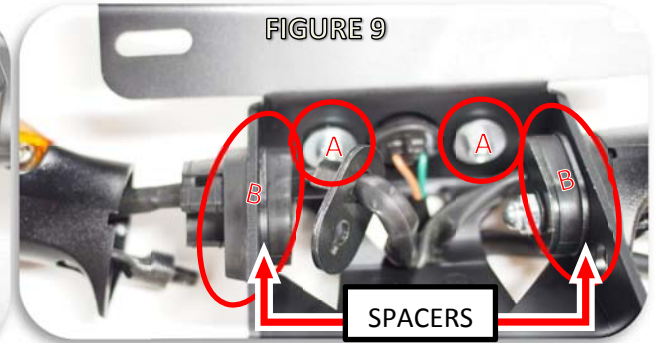
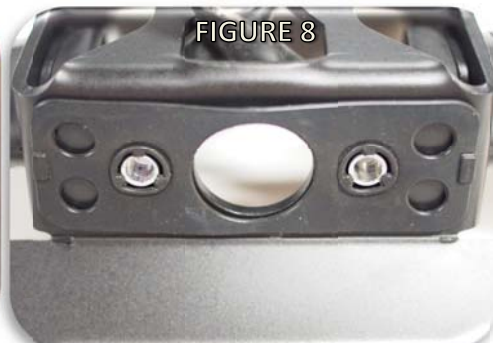


FIGURE 6

8. Remove the OEM license plate light from the reflector mount (2X 8mm nuts, FIGURE 7). Set the locknuts aside as these will be reused. Remove the OEM license plate light gasket and metal bushings from the reflector mount as these will also be reused.
9. Begin assembly of the fender eliminator by reinstalling the license plate light gasket and bushings (FIGURE 8) into the fender eliminator body. Make sure the gasket is fully seated in the two holes with bushings.
10. Install the OEM license plate light into the fender eliminator using the factory hardware (2X 8mm nuts, FIGURE 9A).
11. Install the OEM turn signals into the large oval cutouts in the fender eliminator. Start with just installing the rubber grommet portion of the turn signal and use the supplied oval turn signal spacers to make the fender eliminator flange thicker to completely fill the groove in the rubber turn signal grommet (FIGURE 9B). It is easiest to hold the spacer up to the back side of the fender eliminator flange while pushing the turn signal grommet through the fender eliminator and spacer together. Refer to the installation video if this step is difficult. Finish the turn signal installation by reusing all the OEM turn signal hardware (10mm nuts, washers, and metal plates, FIGURE 9B).
12. NOTE: If installing aftermarket turn signals that use the common M10 stud, install the turn signals in the round holes in the fender eliminator flanges in front of the oval slots and do not use the supplied turn signal spacers.



13. Push all the electrical connectors through the triangular hole in the fender eliminator and pull the wires snug.
14. Install the four supplied aluminum spacers on the four threaded studs of the fender eliminator (FIGURE 10).
15. Install the supplied rubber plug into the round hole on the underside of the tail section of the motorcycle (FIGURE 11A) and push firmly to seat it at the hole bottom. This is simply to prevent water and dirt from getting into the tail section of the motorcycle.
16. Install the fender eliminator on the motorcycle, first by passing the electrical connectors through the rectangular hole in the tail section (FIGURE 11B). Use the supplied flanged nuts (4X 10mm nuts, FIGURE 12) to attach the fender eliminator to the motorcycle.
17. Connect the white, orange, and blue electrical connectors for the license plate light and turn signals in the tail section and pull the clear plastic boot back over the connectors. Make a service loop with the extra wiring and tuck the cabling in the rearmost section of the under-seat storage area. Reuse the factory wire guides where possible.
18. Reinstall the license plate and passenger seat. Test that all lights are functional and double check that all hardware is tight.

#### TERMS & CONDITIONS

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