



FEY-17FZ09-K

Fender Eliminator 2017 YAMAHA FZ-09

PARTS LIST

Left Mount	1	Wire Connectors	2
Right Mount	1	M6 x 16 bolts	4
Turn Signal Mount	1	M6 x 25 bolts - black	2
License Plate Light Mount	1	M6 lock nut . black	2
License Plate Light	1		

<<<< IT IS RECOMMENDED THAT THIS PRODUCT BE INSTALLED BY A QUALIFIED TECHNICIAN >>>>

1. Remove the seat.
2. Remove the 7 plastic push pins from under the tail section. **PHOTO 1**



PHOTO 1

3. Remove the 2 side panels. There will be 3 4mm allen head screws on each side. One on the underside and two on top. Slide the side panel straight back to unclip from the tail light. When the side panels are removed there will be 2 4mm allen screws on the underside center panel at the tail light to be removed for the center panel to come out.
4. Remove the seat latch bracket by removing the 4 8mm head bolts. Locate the turn signal and tail light plugs and unplug them. Remove the turn signal mount by removing the 4 10mm head bolts. Remove the plastic retainer at the base of the turn signal to release it from the mount. **NOTE:** support the tail light assembly as you are removing the turn signal mount.

5. Install the left and right Graves mounts using the 4 supplied 6 x 16 8mm head bolts and the stock acorn nuts. When installing the mounts leave them loose for now. **PHOTO 2.** You will be installing the bolts in the reverse order of the stock turn signal mount. (nuts on top side).

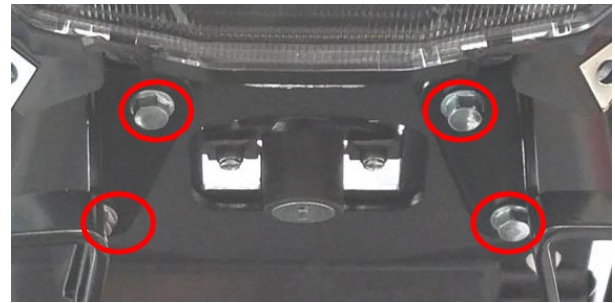


PHOTO 2

6. Take the Graves turn signal mount and the 2 black 6 x 25 4mm allen head screws slide it onto the Graves left and right main mounts **PHOTO 3.** Do not install nuts at this time. You are using the signal mount to help align the left and right brackets. Tighten the 4 acorn nuts. 10nm / 8 ft. lbs. Then remove the Graves turn signal mount. Install the center panel.

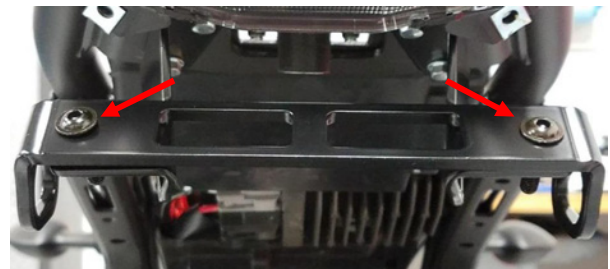


PHOTO 3

The purchaser releases Graves Motorsports, Inc from all liabilities pertaining to the installation and use of purchased parts. Purchaser recognizes that any alteration and/or modifications to the vehicle may increase the risk of injury or accident. **This product is intended for Closed Course Competition Use Only** and may render the vehicle illegal for use on public roads.

7. Install the license plate light to the light mount. **PHOTO 4.** Use the 2 supplied 6 x 25 black allen head screws, go through the license plate, light mount, plate frame if you have one, the license plate and then the turn signal mount. If you have an integrated tail light the turn signal mount can be left out. Take the assembly and install it to the Graves mounts on the bike using the 2 black 6mm nylock nuts to fasten the assembly to the mounts.



PHOTO 4

8. Install the stock turn signals to the Graves mount. Run the turn signal wire back through the same path they came out, then follow the left turn signal wire with the license plate light wire.
9. Remove the wire cover on top of the chain guard with the 5mm allen head and the plastic push pin and slide back. Cut the zip tie under the cover then remove the wire and reinstall the wire cover. Remove the wire hold down at the center of the tire hugger and reinstall the 5mm allen head bolt. Follow the wire up removing any zip ties holding it down until you can find a place to run it back under the seat. You can cut the wire on the Graves light to get the length you want. **PHOTO 5.**

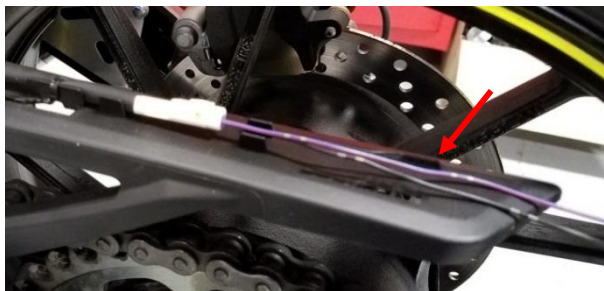


PHOTO 5

10. Installing the license plate light:

1. Cut the standard license plate light wire off of the stock fender assembly. Leave 200-300mm of wire from the stock connector.
2. Slide the wire out of the sheath. Cut a slit 100mm into the sheath and fold it back out of the way.

3. Determine which wire is the positive and which is the negative coming from the main harness. This will be important because the Graves light will not light up if it is connected in opposite. Use a multi meter or refer to the stock wiring diagram to ensure you have this correct. You should test this before completing the following steps. Cut 1 wire 40mm shorter than the other to offset the connectors. (This is the length of the supplied heat shrink solder butt connector) **Photo 1**

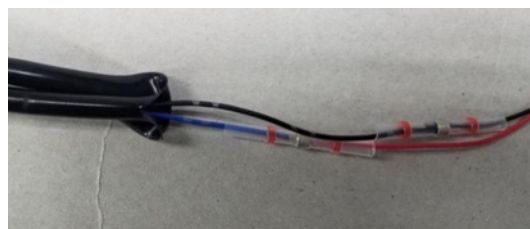


Photo 1

- Repeat this step with the wires coming from the supplied Graves license plate light. Strip the end of the wires leaving 10mm of bare wire showing.
4. Use the 2 heat shrink connectors to connect the wires. Be sure to have the bare wire sections overlapping each other at the center of the connector. Use a heat gun to shrink the connector over the wires. When this is done properly the center of the connector will melt the solder over the wire and shrink the plastic to the outer edges of the connector ensuring a sturdy connection. Wait for these to cool before tugging on the wires. Pull the sheath back over the wires and tape it in place.
11. After all the connections are made and all the lights are tested reinstall the seat latch, side cover and seat in the reverse order.

12. Remove the axle nut and washer then pull the license plate mount off. Install the new chain adjuster blocks in the same order as the stock ones, install the stock washer and nut. Before you torque the axle check your chain adjustment. 88nm / 65 ft. lbs. **PHOTO 6**



PHOTO 6