



Kawasaki Brute Force 750 Optimizer Instructions

1. Remove the seat.
2. **(2012 models only)** Remove the **Splash Shield** under the **Right Front Fender** by removing the three plastic push fasteners. (See fig 1)
3. Disconnect the **Six Pin Fuel Injector Harness Connection** located behind the **Right Side Upper Radiator Hose**. This connector is difficult to reach.
Note: Pre 2012 models: This connector is not behind the **radiator hose** and is much easier to access.
4. Starting from the top, *behind the air filter box*, feed the **Optimizer Connectors** down along the **Intake Snorkel** and the **Right Side of The Engine** to the **Original Fuel Injector Harness Connectors**. Take care to route the **Optimizer harness** away from any hot or moving parts such as the shift linkage.
5. Plug the **Optimizer Connectors** in line with the **Original Fuel Injector Harness**. (See fig 2)
6. In some cases, some of the **Black Optimizer Harness Sleeve** may need to be stripped back to allow more slack in the ground wire. Connect the ground wire eyelet to the **Right Side Heat Shield Mount** using the original bolt. (See Fig 3)
7. Using the supplied Velcro material, mount the Optimizer to the electrical panel under the seat. (See fig 4)
8. Use the supplied zip ties to fasten the **Optimizer harness** in a way that they will not be damaged by hot parts, moving parts, or the seat. (See fig 4)
9. Replace the splash shield and seat.



Figure 1

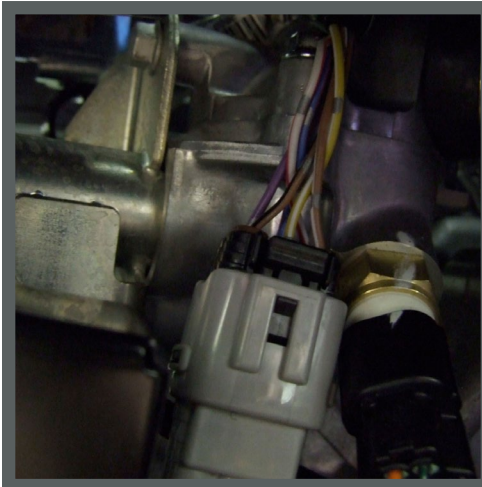


Figure 2

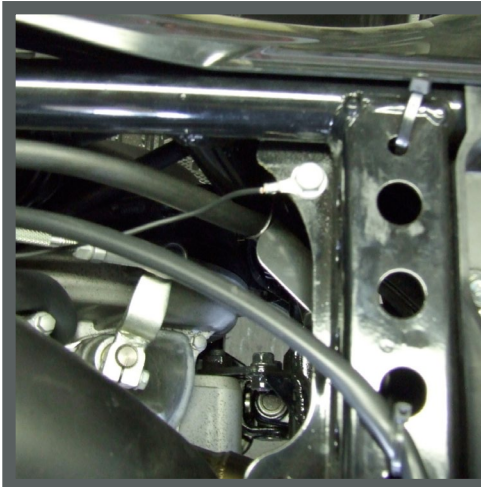


Figure 3



Figure 4

Note: Base tuning for the Optimizer is pre programmed. This tuning was determined with our HMF exhaust being the only modification. Varying outside conditions as well as other modifications to the machine may require some fine tuning. Test drive the machine prior to changing the base settings. Installation and tuning is the responsibility of the end user. HMF will not be held responsible for property damage caused by improper installation and/or tuning.

This exhaust, EFI Controller, air filter, jet kit is not intended for use/sale in California and does not meet California, Federal, EPA, CARB noise or emission standards for on road/highway, public, private or state land and is prohibited for use by Federal law. This exhaust, EFI Controller, air filter, jet kit is intended for use in "closed course competition off road racing use only" on machines which do not fall under the California, Federal, EPA, CARB noise or emission standards. Modifications which exceed California, Federal, EPA, CARB noise or emission standards on non "Closed course competition off road racing use only" vehicles is prohibited by Federal law.
FOOTNOTE: 2006 and newer motorcycles with head/tail lights OEM from the manufacturer and every all terrain vehicle, even those intended for off road closed course competition use, are considered California, Federal, EPA CARB noise or emission controlled vehicles. Vehicle emission control information is noted in the owners manual and on the machine air box lid and exhaust muffler. Any modifications which exceed the California, Federal, EPA, and CARB noise or emission standard is prohibited by Federal LAW.