



YOSHIMURA
RESEARCH AND DEVELOPMENT OF AMERICA, INC.

YOSHIMURA PIM II

(EMS Peripheral Interface Module)

APPLICATION

YEAR	MODEL
2008-2012	Yamaha WR250X/R

PRODUCT

600XX133000	PIM2 Fuel Injection Controller Kit
-------------	------------------------------------



This product is designed for use in closed course racing and is not intended for highway use.



Read through all instructions before beginning installation.



Areas of vehicle may be extremely hot. Let motorcycle cool down before beginning installation. Always wear hand and eye protection and take precautionary measures to avoid injury or damage.

NOTE:

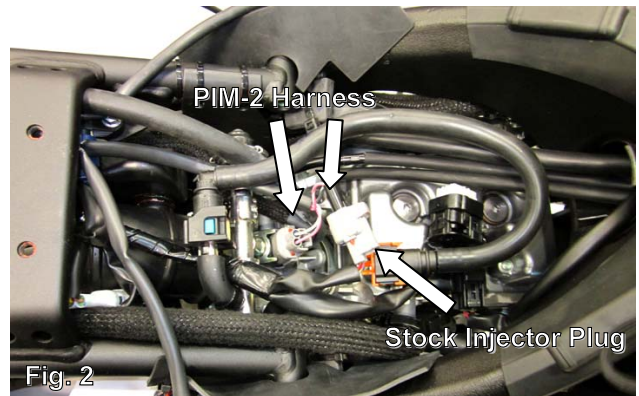
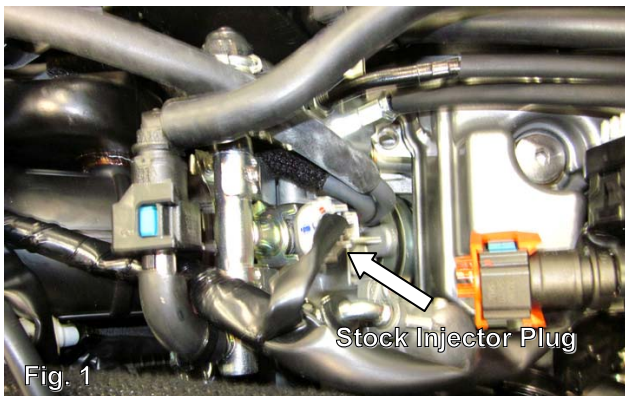
In the state of California, it is illegal to modify the emission control system, which includes the fuel injection of any vehicle for on- or off-highway vehicles.

TOOLS REQUIRED

Metric Socket Set
Screwdriver

-INSTALLATION-

1. Remove seat, fuel tank, and side panels as per factory service or owner's manual.
2. Disconnect the battery.
3. Remove air pressure sensor by removing (1) bolt and disconnecting the hose. (NOTE: Re-install air pressure sensor after routing harness.)
4. Route PIM 2 harness under the fuel tank support cross section.
5. Locate the fuel injector above the throttle body and disconnect the stock connector and connect the PIM-2 plug in-line with the fuel injector and stock connector. (See Fig. 1, 2)



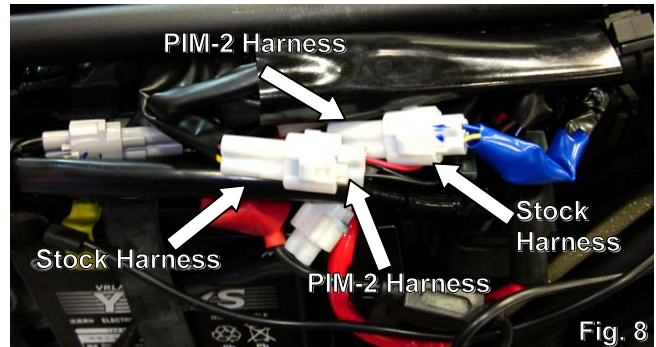
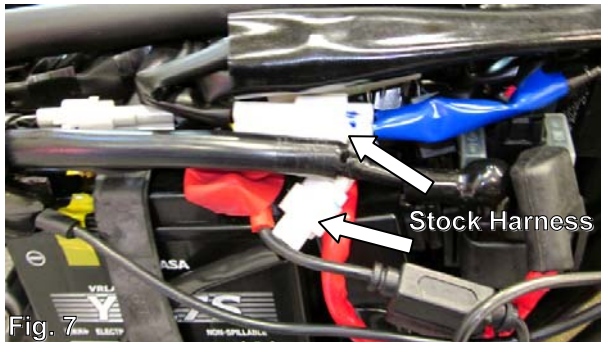
6. Locate the Throttle Position Sensor (TPS) near the right side of the frame and disconnect the stock TPS connector and connect the PIM-2 harness in-line with the TPS and stock connector. (See Fig. 3, 4)



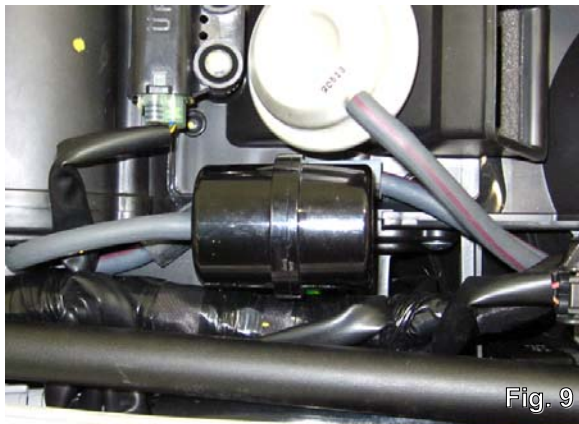
7. Locate the Crank Position Sensor (CPS) connectors (grey 2 pin connectors) found toward the front of the bike inside a black protective sleeve which contains multiple factory harness connectors. Disconnect the CPS connector and connect the PIM-2 harness in-line with the stock connector. (See Fig. 5, 6)



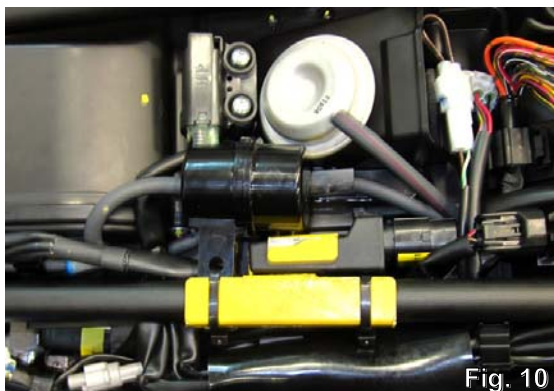
8. Locate the white 3 wire power supply found above the positive battery terminal. Disconnect the factory connector and install the PIM-2 power connectors in-line with the stock connector. (See Fig 7, 8)



9. Unbolt the vacuum canister from air box. (See Fig. 9)



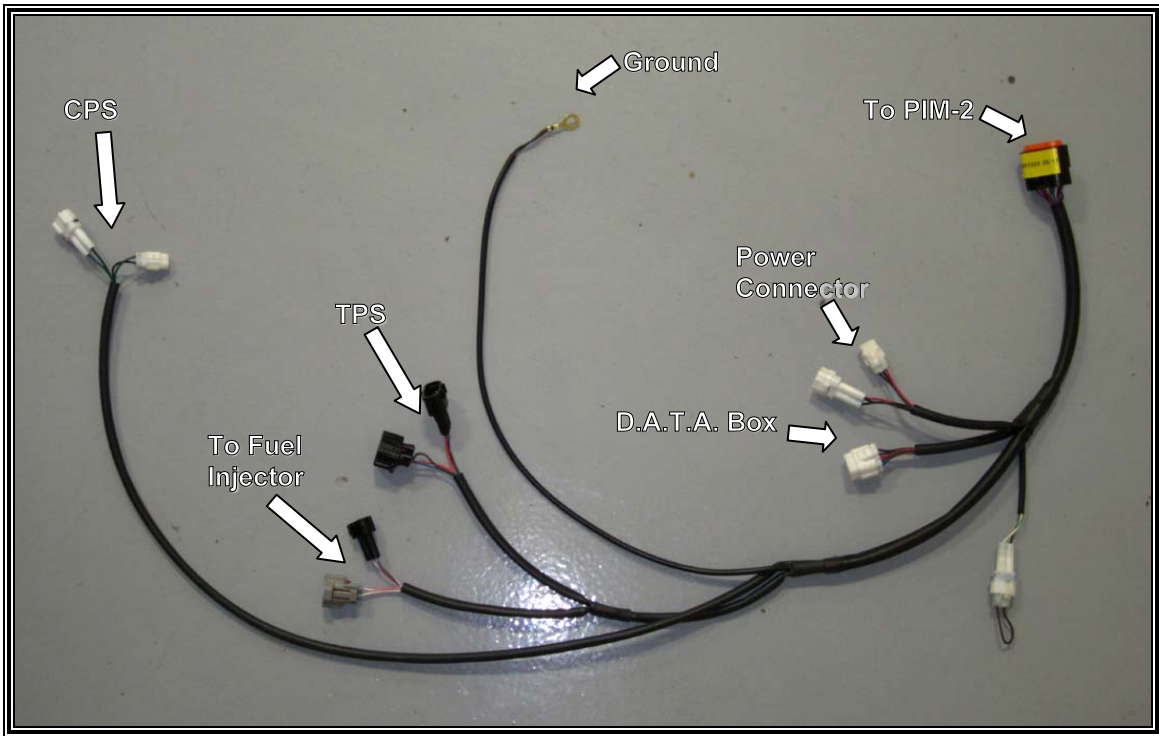
10. Apply provided hook-and-loop adhesive to PIM-2 and bracket and insert PIM-2 into bracket. Plug PIM-2 into harness and place bracket on subframe. Secure PIM-2 bracket and vacuum canister with zip ties. (See Fig. 10)



11. Attach PIM-2 harness ground wire to the motorcycles chassis ground.
(See Fig. 11)



12. Re-connect battery and re-install seat, fuel tank, and side panels as per factory service or owner's manual.



<i>DESCRIPTION</i>	<i>QTY</i>	<i>PART #</i>
<i>PIM2 Unit</i>	<i>1</i>	<i>R-433B</i>
<i>PIM2 Harness for Yamaha WR250</i>	<i>1</i>	<i>600XX133000HB</i>
<i>PIM2 Bracket for Yamaha WR250</i>	<i>1</i>	<i>600XX133000B</i>
<i>Installation CD</i>	<i>1</i>	<i>R-433-CD</i>
<i>USB Communication Cable</i>	<i>1</i>	<i>R-433-USB</i>
<i>Zip Ties</i>	<i>8</i>	<i>ZT-300</i>
<i>Hook-and-Loop Adhesive</i>	<i>1</i>	<i>5000-V</i>
<i>"Comp Use Only" Sticker</i>	<i>1</i>	<i>17012</i>
<i>Yoshimura Sticker Sheet</i>	<i>1</i>	<i>17029</i>