



**YOSHIMURA**  
RESEARCH AND DEVELOPMENT OF AMERICA, INC.

## YOSHIMURA PIM II

### (EMS Peripheral Interface Module)

#### APPLICATION

YEAR	MODEL
2012	Yamaha WR450F

#### PRODUCT

600XX234700	PIM2 Fuel Injection Controller Kit
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*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

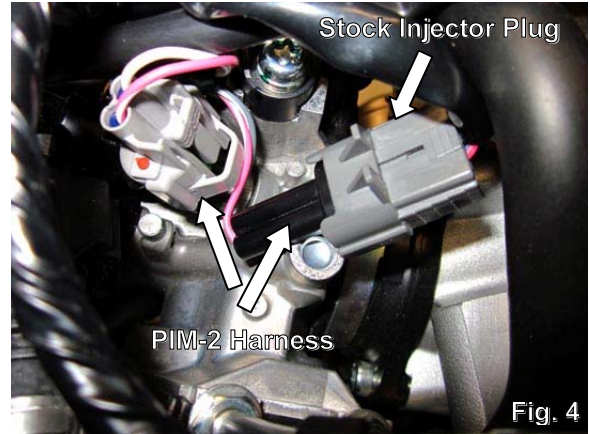
Metric Socket Set  
Screwdriver

## -INSTALLATION-

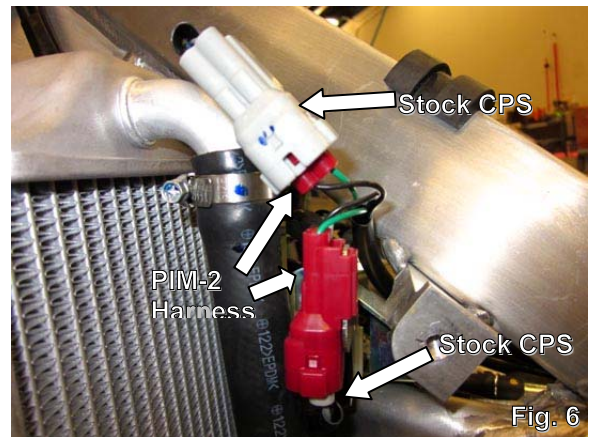
1. Remove seat and fuel tank as per factory service or owner's manual.
2. Disconnect the battery.
3. Remove airbox mounting bolt on top to slide PIM 2 harness behind stock airbox.
4. Route PIM 2 harness through subframe along the stock main wiring harness.
5. Locate the Throttle Position Sensor (TPS) plug and disconnect the stock connector and connect the PIM-2 plug in-line with the TPS and stock connector. (See Fig. 1, 2)



6. Locate the Fuel Injector Connector (FI) and disconnect the stock FI connector and connect the PIM-2 harness in-line with the FI and stock connector. (See Fig. 3, 4)

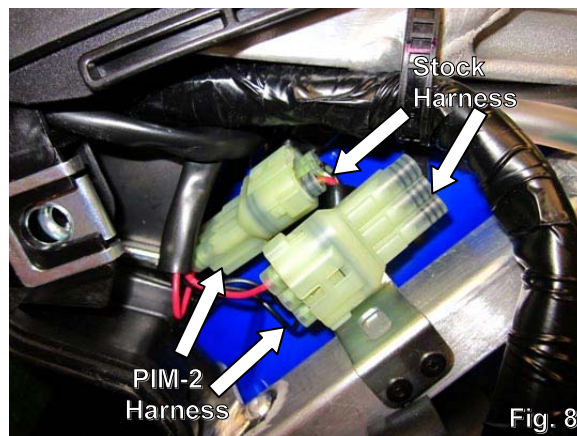


7. Locate the Crank Position Sensor (CPS) connectors (grey 2 pin connectors) found toward the front of the bike. Disconnect the CPS connector and connect the PIM-2 harness in-line with the stock connector. (See Fig. 5, 6)

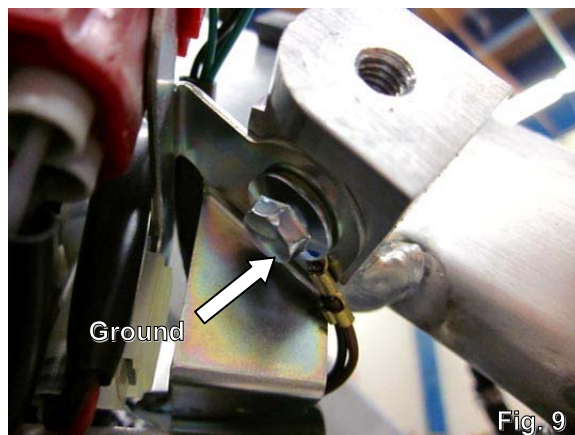




8. Locate the white 3 wire diagnostic connector toward the rear of the bike. Disconnect the factory connector and install the PIM-2 power connectors in-line with the stock connector. (See Fig 7, 8)



9. Attach PIM 2 harness ground wire onto CPS connector bracket using the stock bolt. (See Fig. 9)

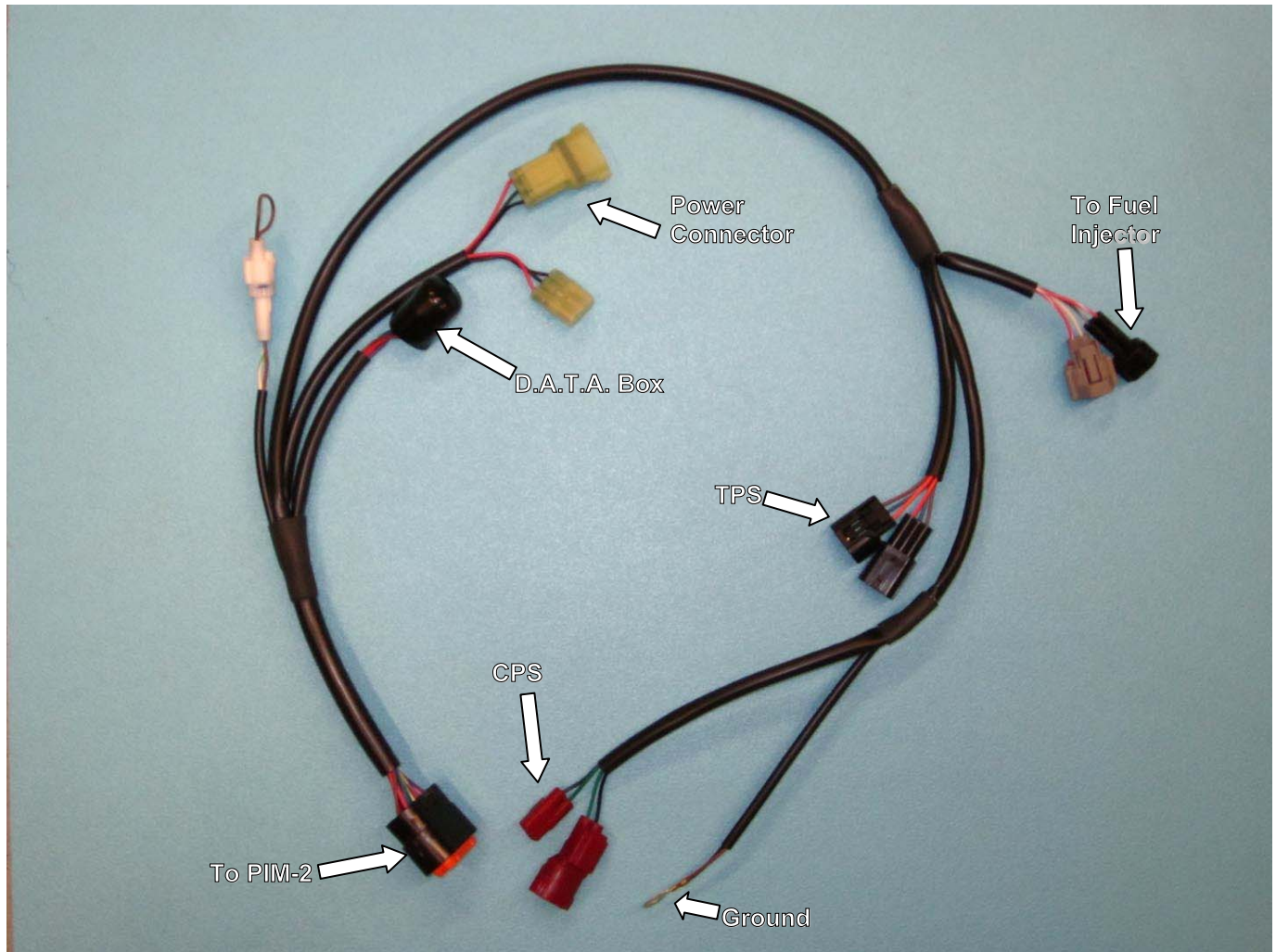


10. Apply provided hook-and-loop adhesive to PIM-2 secure to the top of the rear fender. (See Fig. 10)



Fig. 10

12. Re-connect battery and re-install seat and fuel tank 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>600XX234700HB</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>