



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

YOSHIMURA PIM II

(EMS Peripheral Interface Module)

APPLICATION

YEAR	MODEL
2013	CRF450R

PRODUCT

600XX225810	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.***



***Installation is to be performed by a qualified technician only.***

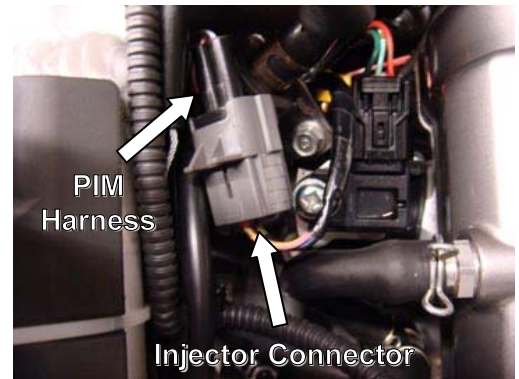
NOTE:

*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.*

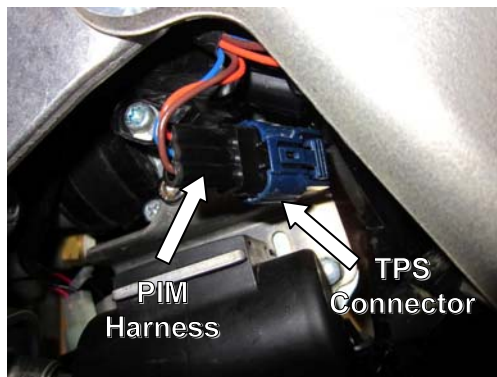
**-TOOLS REQUIRED-**  
Metric Socket Set • Screwdriver

**-INSTALLATION-**

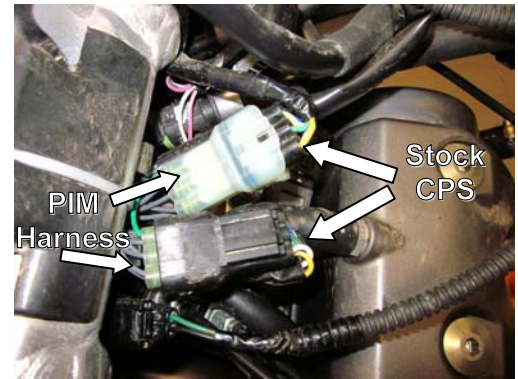
1. **Make sure the motorcycle is off and cooled down before beginning installation of PIM II.**
2. **Remove seat, fuel tank, and left side panels as per factory service or owner's manual.**
3. **Locate the stock fuel injector connector and disconnect the stock connector and connect the Yoshimura PIM harness in-line with the stock connectors. Route PIM harness beneath the fuel line.**



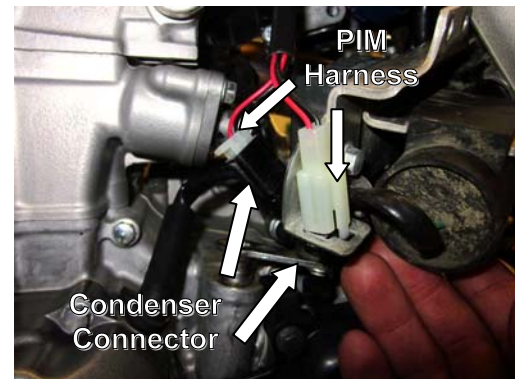
4. **Route PIM harness along the left side of the frame to airbox. Unbolt left subframe bracket to route harness underneath subframe. Re-install bolt and torque to factory specification.**
5. **Locate the throttle position sensor (TPS) connector near the left side of the frame. Disconnect the stock TPS connector and connect the Yoshimura PIM harness in-line with the stock connector.**



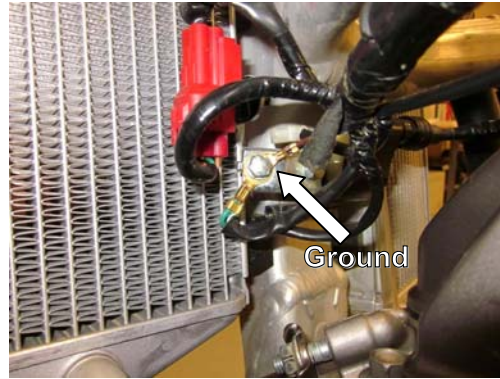
6. Locate crank position sensor (CPS) under fuel tank, a black 6-pin connector. Disconnect the CPS connector and connect the Yoshimura PIM harness in-line with the stock connector.



7. Remove the (2) bolts securing condenser unit bracket to chassis to access condenser unit connector, a black 2-pin connector with one red and one green wire. Disconnect the stock connector and connect the PIM harness in-line with the stock connector.



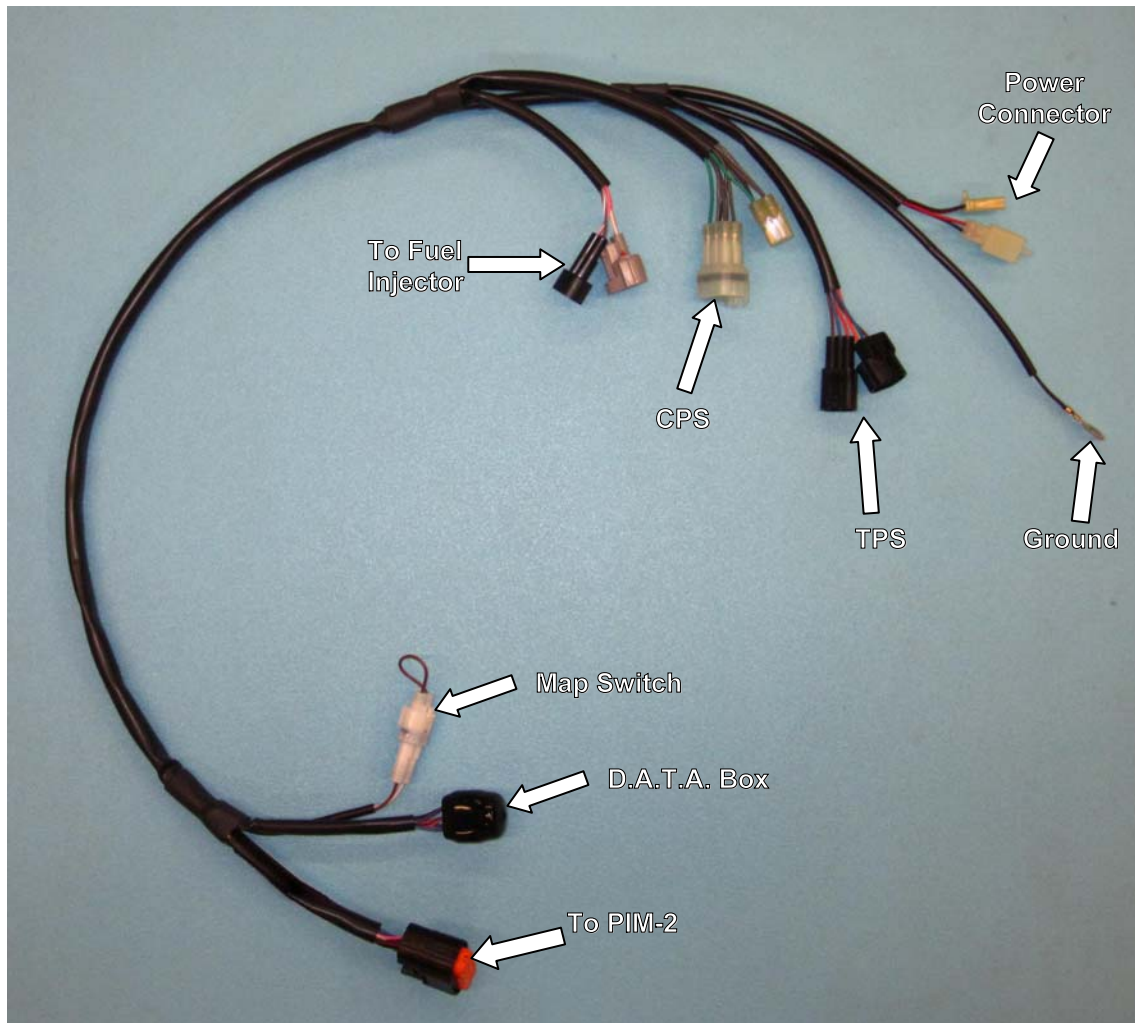
- 8. Attach the PIM harness ground wire to stock ground bracket mount.**



- 9. Attach supplied Hook & Loop adhesive to Yoshimura PIM bracket and the backside of PIM unit. Connect the black PIM harness plug into the PIM unit.**



- 10. Attach the PIM bracket to the subframe using the cable ties provided in the kit.**
- 11. Re-install fuel tank, seat and side panel using the reverse steps of removal.**
- 12. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura technical department at (800) 634-9166.**

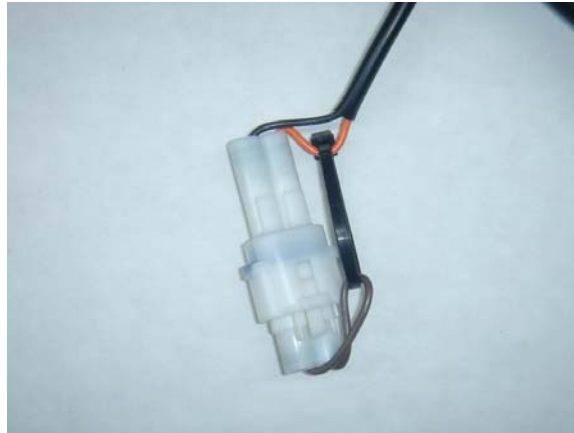


<i>DESCRIPTION</i>	<i>QTY</i>	<i>PART #</i>
<i>PIM2 Unit</i>	<i>1</i>	<i>R-433B</i>
<i>PIM2 Harness for Honda CRF450R</i>	<i>1</i>	<i>600XX225810HB</i>
<i>PIM2 Mounting Bracket</i>	<i>1</i>	<i>R-433-2191-BRKT</i>
<i>Installation CD</i>	<i>1</i>	<i>R-433-CD</i>
<i>USB Communication Cable</i>	<i>1</i>	<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>

## *-MAP SELECTOR-*

***The PIM comes with two pre-programmed maps. Map 1 is when the motorcycle is installed with a Yoshimura Slip-On system with sound insert. Map 2 is when the motorcycle is installed with a Yoshimura Full System exhaust with sound insert.***

***Use the map selector plug to switch between maps.***



***Map 1 is active when the selector plug is connected.***



***Map 2 is active when the selector plug is disconnected.***