

## Items Supplied >

- 1 – Powrpro Black Fuel Injection Module
- 6 – Zip Ties 4"
- 1 – Zip Tie 6"
- 1 – Velcro Stripe

## Application(s) >

INDIAN CHIEF

2014 - 2021

## Instruction Manual >

92-1056B

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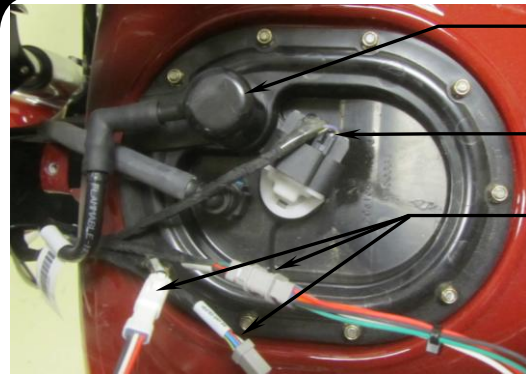
**Read all instructions carefully and completely before installing your new POWRPRO module. It is recommended that a qualified mechanic or technician install this product due to complexity.**

1. Remove main seat to access battery area. Remove left and right side panels. Remove screw securing rear of ECU and lift ECU up to access battery.
2. Remove screws securing tank bezel, one fore and aft. With assistance lift up bezel and disconnect 3 electrical connections. See Figure 1. Disconnect fuel supply line by pressing in tabs on each side of fitting on top of tank. Remove electric fuel pump connector also. Be sure to place a shop rag under fuel line and perform Fi installation in a well ventilated area. Disconnect vacuum line at rear of tank.
3. Remove M8 bolts securing rear of fuel tank on each side, rotate tank up at rear slightly and remove rubber grommets and steel bushings between tank mount and frame. This will prevent grommets from falling down inside of frame. With assistance, carefully slide and lift tank rearward and up to remove from front mount grommets. Once tank is free of grommets and frame, lift off motorcycle and place on blanket in well ventilated area.
4. Remove bolts securing left air cleaner cover and remove cover. Remove air cleaner element. Remove 3 torx screws securing inner throttle body air cleaner plate. Remove plate being careful not to tear rubber boot. See Figure 2. Remove 2 torx screws securing upper inlet boot ring and remove ring, Figure 3. Unplug wire to throttle body by depressing two tabs on rear of connector.
5. Remove (4) allen screws securing throttle body and rear air cleaner housing to engine. Carefully lift throttle body away from engine and set in secure place. Pull air cleaner rear housing off engine and allow to hang on throttle body harness, if needed place shop rag between rear housing and engine case to prevent scratches.
6. Remove (2) M6 screws securing air boot to frame and remove boot for access to top of engine. See Figure 4.
7. On right side of bike locate fuel supply line coming from tank to fuel pressure regulator. Depress tabs on each side, pull up and remove connector, Figure 5. Tuck down towards front cylinder head to allow access to front cylinder injector. See Figure 6.
8. Using the supplied velcro, mount the Powerpro housing and harness on fuse box cover as shown in Figure 7.
9. Route Fi fuel injector connector harness up left side of main frame rail. Route fuel injector connectors to top of intake manifold. Locate rear cylinder injector and lift up RED tab with flat blade screw driver. See Figure 8. Depress black tab underneath red tab and lift connector off of injector at the same time. The longer portion of the injector harness will go to the front cylinder. The shorter portion will mate with the rear injector. Push the shorter sections female connector on to rear injector. See Figure 9. Mate Powrpro male connector with stock female connector. BE SURE to press RED lock tab back down to fully secure. Tuck connectors behind injector.
10. Locate front cylinder injector connected on right side of engine where fuel line was removed in Step 7, Figure 10. Repeat connector removal sequence as on rear injector. Push the female Fi connector from the longer harness on to the fuel injector. Mate the stock female with the Fi male connector, be sure RED lock tab is secure. Tuck connectors down towards front injector. See Figure 11. Carefully lift fuel supply line back into place and install back onto hardline at fuel pressure regulator. MAKE SURE it snaps back on securely!

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11. Route rear O<sub>2</sub> sensor connectors and ground wire around left frame rail and between rear cylinder and shock. Continue routing next to main harness and to front of battery. Depress tab on rear O<sub>2</sub> sensor female connector and mate stock connectors with corresponding rear Fi connectors. See Figure 12.
12. Remove screw from negative battery terminal and connect ground wire. Ziptie ground and rear O<sub>2</sub> wires together with 4" ziptie behind rear cylinder. See Figure 12.
13. Route front oxygen sensor harness under left frame rail and next to main harness adjacent to shock mount lug. Remove cover from wire harness tray along top of frame rail. Place Fi harness in tray along left side and run down to left front frame rail. See Figure 13.
14. Locate the front O<sub>2</sub> sensor connectors at front of engine near starter. Depress the tab on female connector to separate. Mate corresponding POWRPRO connectors with stock connectors. See Figure 14. Tuck the connectors back into place next to engine and above oil filter. Fit harness along clutch cable and secure in place with 4" ziptie (4 places). See Figure 15. Snap cover back over harness tray and resecure with 6" ziptie (1).
15. Make sure rear injector connector is rotated inward. Reposition air boot flange in frame and secure with M6 bolts. See Figure 4. Reinstall air cleaner rear housing by inserting front cylinder breather hose through grommet. Insert frame boot through center of rear housing. Make sure frame boot edge/flange seats correctly in rear housing. See Figure 16. Install boot securing ring in with 2 torx screws.
16. Place throttle body back into place and secure with (4) M6 sockethead screws. See Figure 3. Tighten to factory torque specifications.
17. Apply a light amount of grease to rubber lip and rear nipple on air cleaner backing plate. Place backing plate over throttle body and insert nipple into front cylinder breather hose. See Figure 17. Make sure it inserts correctly and push backing plate over throttle body until seated fully against aluminum surface and nipple is properly inserted into breather hose. Make sure breather hose DOES NOT pop out rear of outer rear plastic housing. Secure with 3 torx screws. Tighten firmly but do not strip out plastic.
18. Install air cleaner and secure with (3) M5 flange bolts. Install steel air cleaner cover with (3) M6 buttonhead screws and tighten securely.
19. Confirm Fi ground wire is connected to negative battery cable and negative terminal is tight. See Figure 12. Reposition engine ECU into front mounting slots and rotate into place. See Figure 18. Secure with M6 socket head screw.
20. Install fuel tank on to front rubber mount lugs. Be sure fuel hose and sending unit harness is resting on top of fuel tank. Secure at rear with original grommets, bushings and bolts. Tighten to factory specifications. Reconnect fuel line connector and be sure it "snaps" into place. See Figure 1. Reconnect fuel pump harness and be sure it is properly seated. Connect vacuum line at rear of fuel tank.
21. Place instrument bezel on top of fuel tank. Reconnect small connectors and secure with M6 screws, Figure 1.
22. Verify that the module has power and connections have been made correctly; watch the clear window on the Fi housing and turn "ON" the key ignition and set the handlebar run switch to "ON", confirm that the Red LED turns on. On some models the Red light will turn off after 4-5 seconds as the fuel pump cycles off, which is OK. If you do not see a Red light, it may be necessary to wait for the alarm to reset (if applicable) and try again. Also confirm the side stand is up, bike is in neutral, and clutch is in. Start the bike and confirm the LED remains on solid Red. **NOTE:** Make sure ignition is turned off before attempting to change any Fi2000 harness connections if no Red light is seen. For access to the Blue Tooth Tuning App on the module, please download the Fi2000 App to your smart device, Android 4.3 & later or Apple iOS 5.0 & later operating systems. Once the app is installed, make sure the motorcycle is in neutral and start the engine, use the connect button within the app and the Blue light on the Fi module window will light up during pairing connection and remain solid Blue while paired and connected with respective Android or Apple Device. Once the app has been used and settings saved and disconnected through the app, the Blue light will turn off, and the PowrPro Black will be ready for continued service on the motorcycle.
23. Verify all fasteners have been properly tightened. Install seat and secure with side and rear fasteners. Reinstall left and right side covers below seat area.

**TROUBLE SHOOTING:** If you have any problems refer to Step 22 in the main body of the instructions.



FUEL LINE QUICK DISCONNECT FITTING  
 FUEL TANK ELECTRICAL CONNECTOR  
 DISCONNECT BEZEL CONNECTORS  
 REMOVE 3 TORX SCREWS  
 DO NOT TEAR RUBBER BOOT!

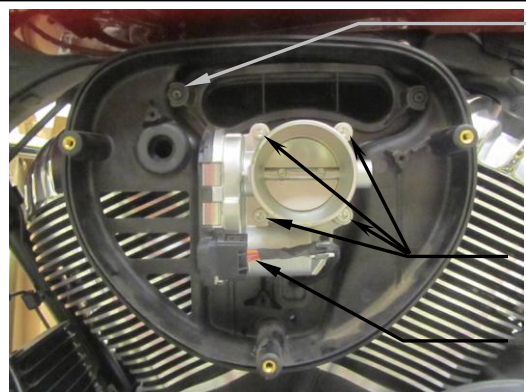


**FIGURE 1**

(BEZEL / FUEL LINE / CONNECTOR REMOVAL)

**FIGURE 2**

(AIR CLEANER HOUSING REMOVAL)



REMOVE TWO TORX SCREWS AND BOOT RETAINING RING

REMOVE M6 BOLTS AND BOOT RETAINING RING

REMOVE FOUR SOCKET HEAD SCREWS

UNPLUG CONNECTOR FROM THROTTLE BODY

**FIGURE 3**

(THROTTLE BODY REMOVAL)



**FIGURE 4**

(INTAKE BOOT REMOVAL)



DEPRESS TAB ON SIDES TO REMOVE FUEL CONNECTOR / LINE

LIFT RED TAB UP ON FRONT FUEL INJECTOR CONNECTOR

FUEL CONNECTOR / HOSE PLACED HERE FOR ACCESS TO FRONT INJECTOR

**FIGURE 5**

(FUEL LINE DISCONNECT)



**FIGURE 6**

(FUEL LINE POSITION FOR INSTALL)

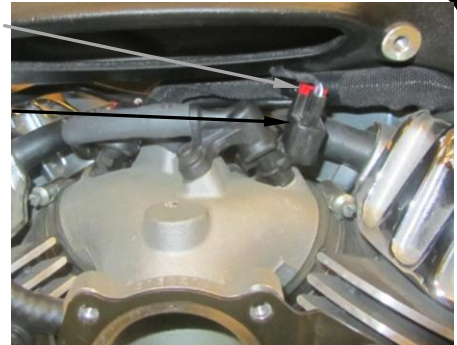


PULL RED LOCK TAB UP

REAR CYLINDER FUEL INJECTOR / CONNECTOR

ATTACH POWRPRO HOUSING TO FUSE BOX WITH VELCRO IN THIS LOCATION

**FIGURE 7**  
(POWRPRO INSTALL LOCATION)



**FIGURE 8**  
(REAR INJECTOR LOCATION)

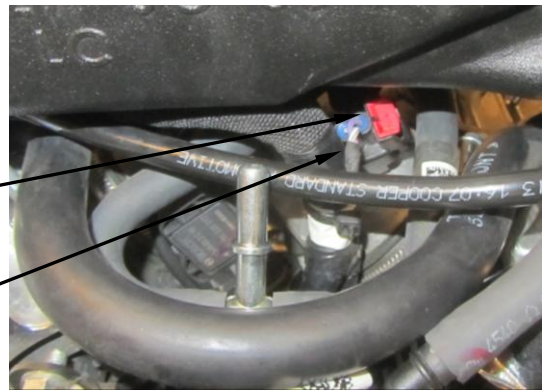


REAR INJECTOR WITH POWRPRO CONNECTORS INSTALLED

PULL RED LOCK TAB UP

FRONT CYLINDER FUEL INJECTOR CONNECTOR

**FIGURE 9**  
(REAR INJECTOR CONNECTOR INSTALL)



**FIGURE 10**  
(FRONT INJECTOR LOCATION)



FRONT INJECTOR WITH POWRPRO CONNECTORS INSTALLED

REAR O<sub>2</sub> SENSOR CONNECTORS WITH POWRPRO CONNECTORS

POWRPRO GROUND WIRE TO NEGATIVE BATTERY TERMINAL

**FIGURE 11**  
(FRONT INJECTOR CONNECTOR INSTALL)



**FIGURE 12**  
(REAR O<sub>2</sub> AND GROUND WIRE CONNECTION)



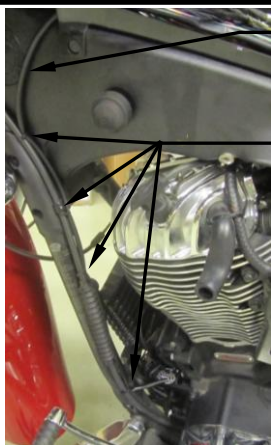
**FIGURE 13**  
(FRONT O<sub>2</sub> HARNESS ROUTING)

ROUTE POWRPRO FRONT O<sub>2</sub> SENSOR WIRE IN HARNESS TRAY

STOCK FRONT O<sub>2</sub> CONNECTORS MATED WITH POWRPRO CONNECTORS



**FIGURE 14**  
(FRONT O<sub>2</sub> CONNECTORS)



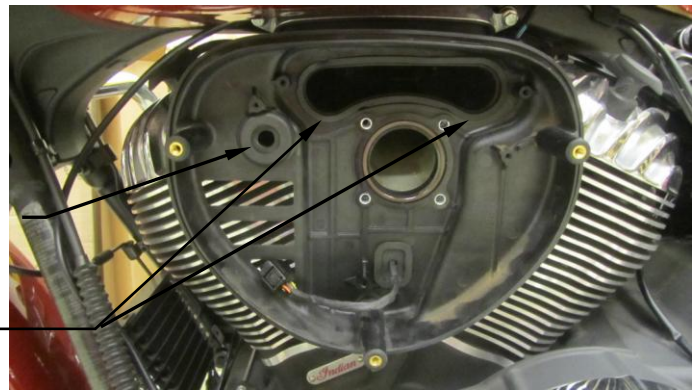
POWRPRO FRONT O<sub>2</sub> HARNESS ROUTING

ZIP TIE LOCATIONS TO SECURE POWRPRO HARNESS

BE SURE BREATHER HOSE INSERTS THROUGH GROMMET CORRECTLY

BE SURE LIP OF BOOT IS SEATED IN REAR HOUSING CORRECTLY!

**FIGURE 15**  
(FRONT O<sub>2</sub> ZIP TIE LOCATIONS)



**FIGURE 16**  
(AIR CLEANER REAR HOUSING INSTALL)

BE SURE NIPPLE ON AIR CLEANER BACKING PLATE INSERTS CORRECTLY IN GROMMET

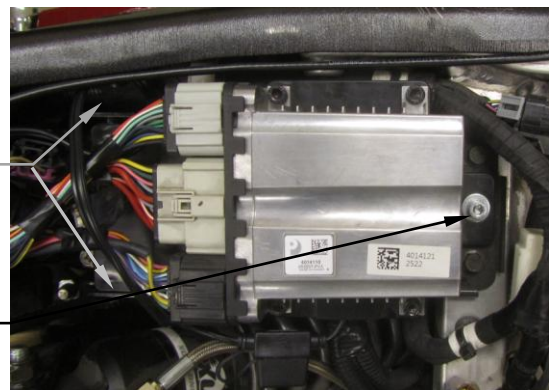
APPLY LIGHT GREASE TO RUBBER LIP TO AID INSTALLATION



**FIGURE 17**

RE-INSERT ECU PEGS INTO SLOTS ON PLASTIC MOUNT

REINSTALL M6 SCREW TO SECURE ECU



**FIGURE 18**

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