

Items Supplied >

- 1 – POWRPRO™ Fuel Injection Module
- 6 – Zip Ties 8"
- 2 – Zip Ties 2"
- 1 – Velcro Stripe

Application(s) >

Vegas 8-Ball	2008 – 2013
Victory High Ball	2012 - 2013
Victory Judge	2013
Hammer 8 Ball	2008 – 2013
Vegas	2008 – 2012
Kingpin	2008 – 2012
Zach Ness Vegas	2011 – 2012
Vegas Jackpot	2008 – 2013
Hammer S	2008 – 2012
Boardwalk	2013

Instruction Manual >

92-1052-AT

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Read all instructions carefully and completely before installing your new Fi2000AT® module. It is recommended that a qualified mechanic or technician install this product.

1. Remove seat which is retained by three bolts in rear of pad on some models, the plastic seat cover may need to be removed on some models to access the socket head shoulder screws. On the Judge model, both side number plate covers must be removed, and two M8 bolts removed from under the seat. Four remaining seat bolts must also be removed, by removing the left and right rear fender rails from the bike.
2. On most models, remove the single bolt retaining rear of fuel tank along with the bolts and covers securing front of fuel tank to frame. The Judge model will need to have two bolts removed from the rear of the tank, along with the front tank mount covers and bolts.
3. Prop rear of fuel tank up and disconnect quick release fuel coupling on bottom of tank, by pressing in green tabs on each side of coupler and pulling fuel coupling downward from tank. Disconnect the fuel tank electrical connector along bottom of fuel tank also, see Figure 1. Be sure to disconnect two vacuum lines from rear lower left corner of fuel tank, for tank removal, see Figure 2.
4. Assistance is recommend to carefully pull fuel tank upward and rearward at the same time to remove it. Set fuel tank in a secure location to prevent it from being damaged, while it is removed.
5. Remove left and right side covers on the engine between the front and rear cylinders for additional engine access. Note the Judge models, must have the covers unscrewed, all other models, snap off.
6. Locate the rear fuel injector connector between engine heads, from right side of motorcycle, see Figure 3. Pull the "RED" pull tab up towards the top portion of the connector, assistance will be needed to prevent the injector from rotating during this procedure, see Figure 4. Once the Red tab is pulled upward, push in on the black tab below it, see Figure 4 & 5. While pushing in on black tab, pull entire connector upward and remove from injector. It may be necessary to snip the zip tie from the injector wires to the fuel rail, to allow adequate wire length to free connector from injector. Pull injector connector outward towards right side of motorcycle, for installation of Powrpro Tuner™ (PPT) connectors later in instructions.
7. Repeat injector connector removal procedures for front connector, noting that "RED" pull tab is accessed from left side of motorcycle, see Figure 4 & 5. Once connector is removed from front injector, be sure to pull it outward towards right side of motorcycle.
8. Place Powrpro Tuner™ (PPT) module on top of motorcycle frame™ under seat area, Figure 6.
9. Route Fuel injector connectors along right upper frame rail. The longer of the two connector pairs will go to the front injector. The shorter pair to the rear injector. Mate the shorter female PPT connector to the rear injector and the corresponding male PPT connector to the original rear Victory female connector, see Figure 7. Be sure all connectors are snapped into place and the "RED" lock tab on the Victory female is secured into original position, as it was prior to disassembly, Figure 7.

*** Cobra® recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely.**

10. Route the remaining injector connector harness over the throttle linkage along the upper right frame rail and mate the remaining female PPT connector to the front injector. Plug the Victory female connector into the mating male PPT connector, Figure 7.
11. Be sure all connectors are securely installed on injectors and snapped together and "RED" lock tabs are seated in place. Carefully tuck the connectors back towards cylinder heads and under frame rail. If space allows on your application install (2) 4" zip ties to connector harnesses and fuel rail, as prior to install.
12. Allow a small amount of slack at each injector connector location and secure injector harness to right upper frame rail in 3 locations with supplied 8 inch zip ties, Figure 8. Be sure harness is above and free from throttle linkage.
13. Route the longer harness with single pin connectors from the PPT up the left upper frame rail, route it over the engine and down the left front frame rail. Locate the front oxygen sensor connector and disconnect it from the O₂ sensor, it may be necessary to open up wire retaining ring for proper slack to work on connectors. Mate corresponding PPT female O₂ connector with the original male O₂ connector. Connect PPT male O₂ connector to original O₂ female connector on Victory harness, see Figure 9. Be sure to secure O₂ sensor connectors to wire loop retainer and secure PPT connectors to existing harnesses utilizing a supplied 8 inch zip tie. Install (2) 8 inch zip ties along the upper frame rail to secure harness to frame, and (1) along left front frame rail, Figures 10 and 11.
14. Route the shorter rear O₂ sensor wires from the Powrpro Tuner to the area in front of the battery. Disconnect the connector from the rear O₂ sensor and, connect the corresponding male and female connectors to the rear O₂ sensor harness, see Figure 12.
15. Locate the hex bolt mounting the upper rear portion of the battery tray and remove it. Insert the hex bolt through the PPT ground terminal and reinstall securely, see Figure 6.
16. Set fuel tank back onto front portion of frame and reinstall quick connect fuel line securely, 4 pin electrical connector and two vent lines at left rear of tank. Lower fuel tank back into position and install front and rear tank bolts and tighten securely. Reinstall rubber covers over front fuel tank mount bolts.
17. Verify the wire connections; turn on the ignition and watch the C over V LED logo, confirm that the LED blinks until the engine starts and then remains **ON**. If you do not see any blinking, 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, clutch is in and handle bar engine switch is set to run (where applicable). Start the bike and the logo should remain solid red, which confirm the unit is fully functioning. If it flashes while the bike is running, turn off the bike and recheck that all harness connections (injectors, ground wire, and O₂ sensors when applicable) have been properly made. Re-verify by turning ignition on while watching for flashing LED, prior to starting. Start and confirm LED remains ON solid red. **NOTE:** Make sure ignition is turned off before attempting to change any PPT harness connections.
18. Remove the backing from the Velcro and place the PPT case between rear frame rail and large ECU wire harness in center of bike, Figure 6.
19. Re-install the left and right engine covers as well as left and right side covers behind engine.
20. Place seat back in place and secure with 3 socket head shoulder bolts, tighten any other loose fasteners. Reinstall seat cover over passenger seat if removed earlier. Be sure to tighten any other fasteners loosened during installation process to factory specifications. On Judge models install all six M8 seat screws securely as well as the side fender rails and bolts securing each side securely.

TROUBLE SHOOTING: If you have any problems refer to Step 17 in the main body of the instructions.

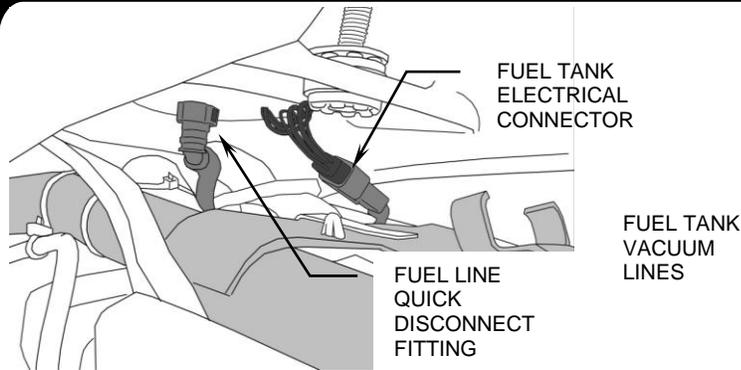


FIGURE 1

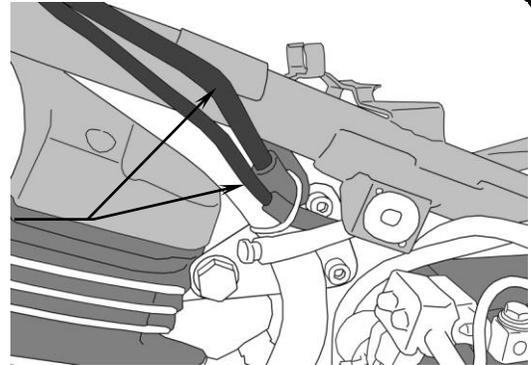


FIGURE 2

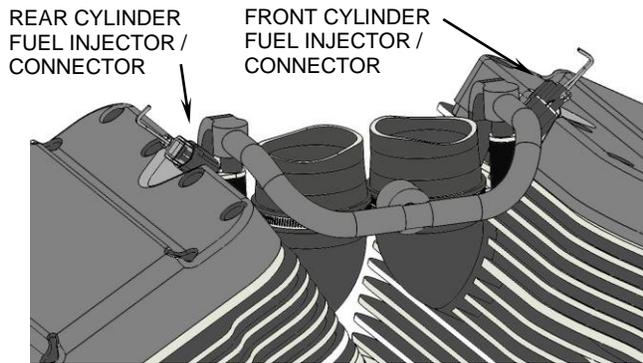


FIGURE 3

(Note, Air box not shown for clarity)

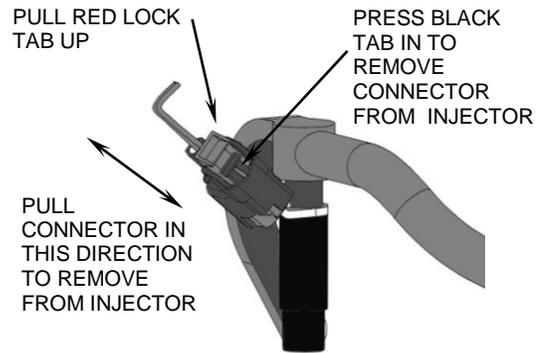


FIGURE 4

(Rear Injector shown, Front similar)

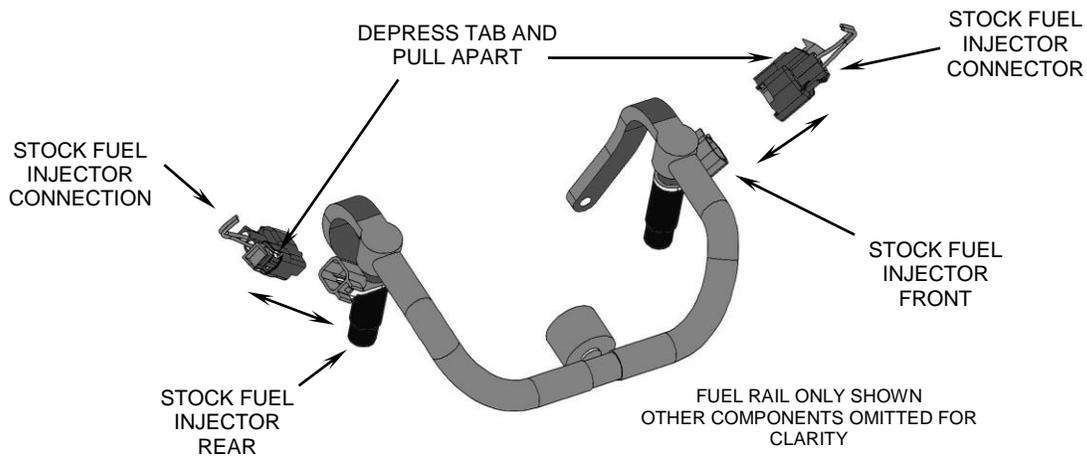
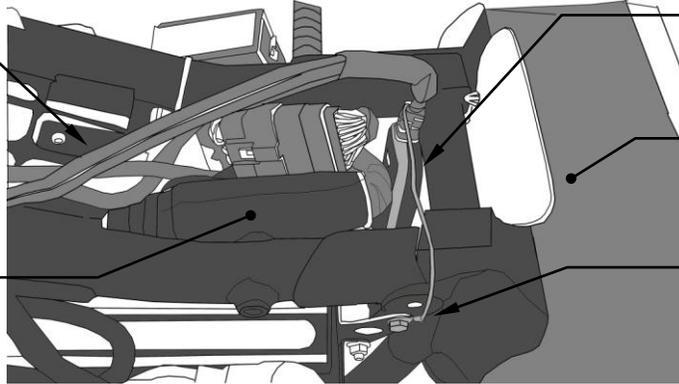


FIGURE 5

(APPLIES TO FRONT AND REAR INJECTOR CONNECTORS)

HARNESSES
TO OXYGEN
SENSORS

STOCK ECU
HARNESS



POWRPRO
INSTALLATION
LOCATION

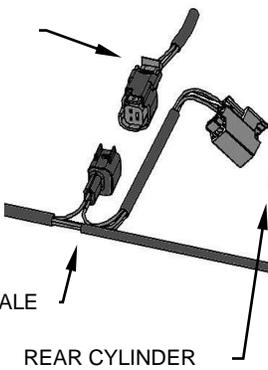
REAR FENDER

GROUND WIRE
CONNECTED TO
BATTERY
MOUNT BOX
BOLT

FIGURE 6

STOCK REAR
FEMALE
INJECTOR
CONNECTOR

P.P.T. REAR MALE
HARNESS
CONNECTOR



REAR CYLINDER
INJECTOR

P.P.T. REAR
FEMALE INJECTOR
CONNECTOR

FRONT CYLINDER
INJECTOR

P.P.T. FRONT FEMALE
INJECTOR CONNECTOR

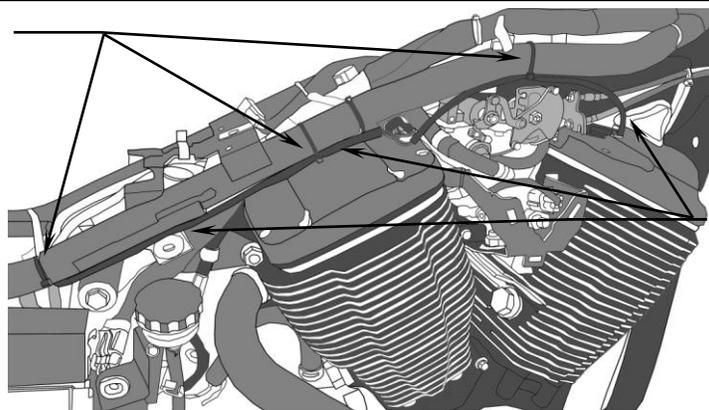
STOCK FRONT
FEMALE
INJECTOR
CONNECTOR

P.P.T. FRONT
MALE HARNESS
CONNECTOR

FIGURE 7

(APPLIES TO FRONT AND REAR INJECTOR CONNECTORS)

ZIP TIE LOCATIONS
FOR P.P.T.
INJECTOR
CONNECTOR
HARNESS



P.P.T. INJECTOR
HARNESS ROUTING TO
FUEL INJECTORS

FIGURE 8

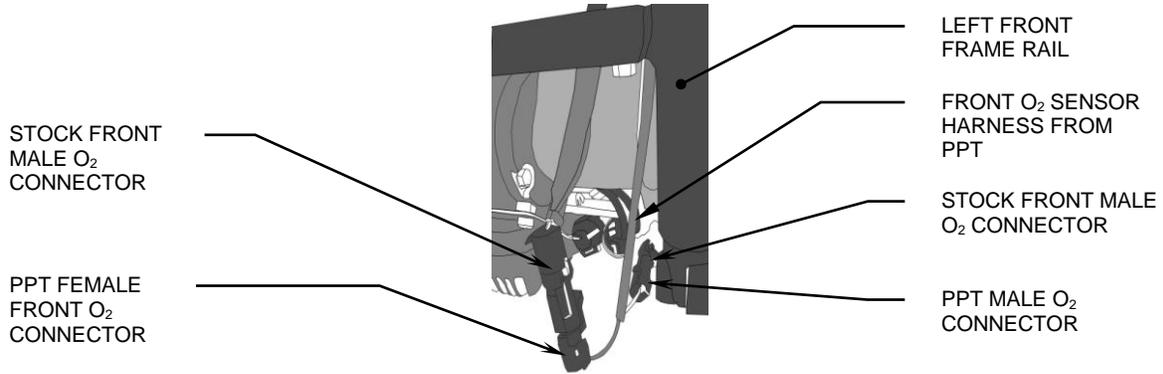


FIGURE 9

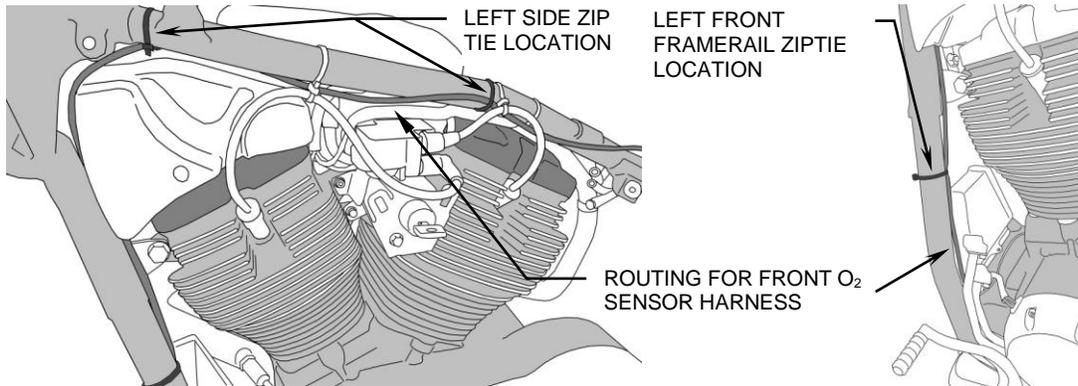


FIGURE 10

FIGURE 11

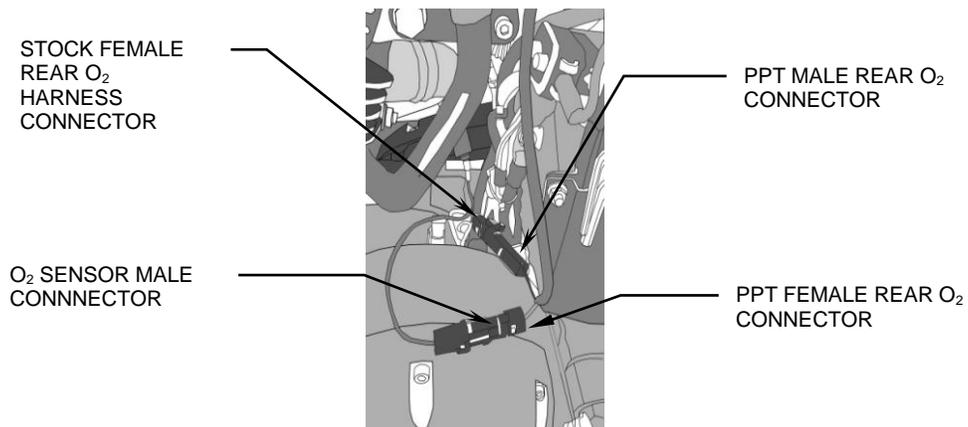


FIGURE 12

NOTE: For California riders we currently do not offer a fuel enhancement product for use in this state on these models