Fi2000_®

23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016

_				www.cobrausa.com
Items :	Supplied >		Application(s) >	
1 – Fi2 1 – Zip 2 – Zip 1 – Ve	2000CL Fuel Injection Module o Tie, (1): 3/16" x 8" o Tie, (2): 3/16" x 6" Icro Strip		Yamaha V-Star 950/Tourer Yamaha Bolt	09-19 13-19
Instrue	ction Manual >	$\overline{)}$	92-1775CL	Page 1 of 3
	Read all instructions carefully and com It is recommended that a qualified Before installing the Fi2000 it is re	pletely I mech comm	/ before installing your new Fi2 anic or technician install this p ended that the gas tank be low	2000 module. product. on fuel.
1.	Remove the seat. Remove the allen bolts securely to allow access to the fuel injector	s secur or conr	ing the rear of the fuel tank, prop ectors.	the tank up
2.	Position the Fi2000 module in the designated area under the seat, see Figure 1. Then feed the Fi2000 harness with the injector connectors forward until reaching the intake manifold area.			
3.	Locate the stock fuel injector for the front cylinder under the fuel tank on the left side of the motorcycle, see Figure 2. Unplug the stock connector and using the forward pair of Fi2000 injector connectors plug each male and female connector into the corresponding stock connectors. Repeat for rear fuel injector using the rear pair of Fi2000 injector connectors. Tuck the connectors and harness wires out of the way and lower the fuel tank.			
4.	Route the second harness with the O_2 connector through the designated space/hole next to the battery tray until the connector ends appear out of the bottom of the motorcycle, See Figure 1. Unplug the stock O_2 connector that is mounted above the right side lower frame rail. Replace this connection with the corresponding Fi2000 O_2 male and female connectors into the stock connectors, see Figure 3. Zip tie loose wiring to the frame away from the exhaust pipes.			
5.	Velcro the Fi2000 module to the top of the from the Fi2000 to the negative post. Bef	e white fore rei	fuse box, see Figure 1. Attach t nstalling the seat, verify connecti	he ground wire ons.
6.	Remove the door from the Fi2000 module settings come preset from the factory for exhaust installed, shown in Figure 4. If yo pot settings to those shown in Figure 5. While watching the 3 LED's. They will all li correct. If there are no lights visible, mak and handlebar engine switch is set to run connectors are fully engaged and the gro steady light from all three LED's, start the on. If all three LED's are still on after start Reattach the access door when finished a sure the ignition is turned off before change	e to exp the V-S our mot Verify tl ight up e sure . If the und win motor t up, ve and ins ging ar	bose the LED's. NOTE: The Fi20 Star 950 with aftermarket air clear orcycle has a slip-on muffler insta- ne wire connections by, (1), turnin for a few seconds, and then go of the side stand is up, bike is in ne re are still no lights visible, re-che re is connected correctly. (2), aft cycle; the green light should now wrify the injector connectors are co- tall the remaining components. If by connections.	000 base pot her and full alled change the ng the ignition on off. This is utral, clutch is in eck that all er achieving a be the only LED prrectly attached. NOTE: Make
* For Ca Fi2000 n	lifornia riders we offer Air Resources Board approved nodels are not legal for street use in California. Visit C	Fi2000 A COBRAU	RB units with Executive Order number D SA.COM to choose the correct Fi2000 for	-633-2. All other your vehicle.



23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016



Fi2000_®

23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016

ww	w.cobrausa.con
2-1775CL	Page 3 of 3
preset for best function and	rideability
	2-1775CL

on a motorcycle with aftermarket aircleaner and Cobra exhaust. The Fi2000 does however, have 3 important adjustments that allow you to tune the module for optimum performance, especially if you have performed other changes to your motorcycle. These adjustments also allow you to resolve drivability issues if our stock settings are not exactly right for your bike. Make sure your motorcycle is up to normal operating temperature (15 minutes of riding should be sufficient) before making any adjustments. Remove the door exposing the pots shown in Figure 4 or 5 depending on configuration.

GREEN LED POT (left pot) – With the Closed Loop function of this module you do not need to adjust this setting, leave it at 2.5. Without a closed loop system this adjustment would affect idle and cruise fuel. If you had cruising issues, this is where you would try a different setting. Generally, surging and uneven running while cruising is a lean fuel condition, so adding a small increase in fuel by turning this adjustment clockwise with a small flat blade screwdriver a 1/2 of a position would help. The bike would need to be Test-driven to feel an improvement and only the setting would need to be increased until the surge went away. Also, backfiring or popping on trailing throttle is generally a lean symptom (or an exhaust gasket leak). The same small increases as above would be tried just until the backfiring would disappear.

YELLOW LED POT (middle pot) - this adjustment affects acceleration and power fuel. If you have a hesitation or bogging on acceleration, this is where you would try a different setting. Aftermarket air cleaner assemblies generally lean out fuel mixtures, so try small clockwise increases until a smooth acceleration returns. Starting with the base setting, test ride the motorcycle in 4th or 5th gear and perform moderately fast roll-on throttle from a repeating standard R.P.M. or speed. Increase the pot one position at a time and stop as soon as you don't feel any improvement.

RED LED POT (right pot) - the right hand or red pot is for the fuel setting required when the engine is maximizing its R.P.M. and power delivery. This pot is similar to the main jet in a carburetor. It will take a combination of a minimum R.P.M. and a predetermined amount of engine load to initiate this fuel. The straightaway on a racetrack or an inertia dyno are the best places to set this pot. Full exhaust systems of high quality construction increase flow characteristics and will increase fuel demands over our base settings. Also, air filters specifically designed for higher than stock airflow can create need for higher fuel setting. Try an additional one-position pot setting at a time.

TUNING NOTES

Typically 2 into 1 or our speedster exhaust system require one additional position, on the yellow and red pots, over slip-ons or staggered duals. On high performance motors, slip-on mufflers do not flow well enough and create fuel setting problems and detonation. Cobra recommends the installation of any of its complete exhaust systems.





