Fi2000_®

Items Supplied >

- 1 Fi2000R Fuel Injection Module
- 1 Zip Tie, (1): 3/16" x 8"
- 1 Velcro Strip

Application(s) >

YAMAHA ROADLINER YAMAHA STRATOLINER 2006-2013 2006-2013

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Cobra⊛ recommends the use of the Closed Loop Module 92-1773CL or 92-1773CL-50 if your motorcycle will continue use of the Oxygen Sensors in your exhaust System. This Fi2000 is intended for motorcycles that will not utilize Oxygen Sensors in the fuel management system. Read all instructions carefully and completely before installing your new Fi2000R module. It is recommended that a qualified mechanic or technician install this product. Before installing the Fi2000R it is recommended that the gas tank be low on fuel.						
1.	Remove the seat, and the chrom nuts holding the rear of the fuel t		r from the engine. Remove the	two dome head		
2.	Position the Fi2000R on top of the front seat bracket, then feed the Lift up the fuel tank just enough to the harness does not get pinched down, see Figure 1. Zip-tie the h	harness forward o slip the wire ha d between the fue	underneath the rear fuel tank me rness under the rear of the fuel el tank and the frame as the tank	ounting bracket. tank, make sure		
3.	Feed the remaining portion of the opening, see Figure 2. Locate the bracket; disconnect this connected	e white Roadline				
4.	Plug the Fi2000R connectors into unplugged in Step 3. Reinstall th			reviously		
5.	Check that the O_2 sensor connected from the actual O_2					
6.	Using the supplied Velcro pads, black ground wire from the Fi200 see Figure 3. Before reinstalling	0R to the 5 mm a	allen head bolt securing the batt			
7.	Remove the door from the Fi200 settings come preset from the fact the wire connections by, (1), turn up for a few seconds, and then g side stand is up, bike is in neutra are still no lights visible, re-check connected correctly. – Continuer	ctory for the Road ing the ignition o o off. This is cor I, clutch is in and t that all connecto	dliner/Stratoliner, shown in (Figu n while watching the 3 LED's. Th rect. If there are no lights visible handlebar engine switch is set	rre. 3.) Verify hey will all light e, make sure the to run. If there		
	* It is recommended that you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new power of your motorcycle and please ride safely.					



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7. Cont.	light should now be the only LED o injector connectors are correctly at	om all three LED's, start the motorcy on. If all three LED's are still on after s tached. Reattach the access door w NOTE: Make sure the ignition is turr	start up, verify the hen finished and

ADVANCED TUNING

The Fi2000R has the ability to efficiently tune the EFI system on your motorcycle for slip-on or full exhaust systems. It comes pre-set from the factory for popular brand name slip-on mufflers. Both dyno testing and on-road exhaust gas analysis have been used to develop the best base settings for drivability and power. Not all slip-on mufflers flow exactly the same. Some eliminate power valves and others don't. Some are made with street baffles, other with race or competition baffles. Full exhaust systems offer even greater variation in construction, features and performance. The Fi2000R has the ability to tune the EFI system on your motorcycle to any of these exhausts by applying a logical and systematic approach to altering the base settings supplied with your Fi2000R. These suggestions should be followed step by step and help you achieve success.

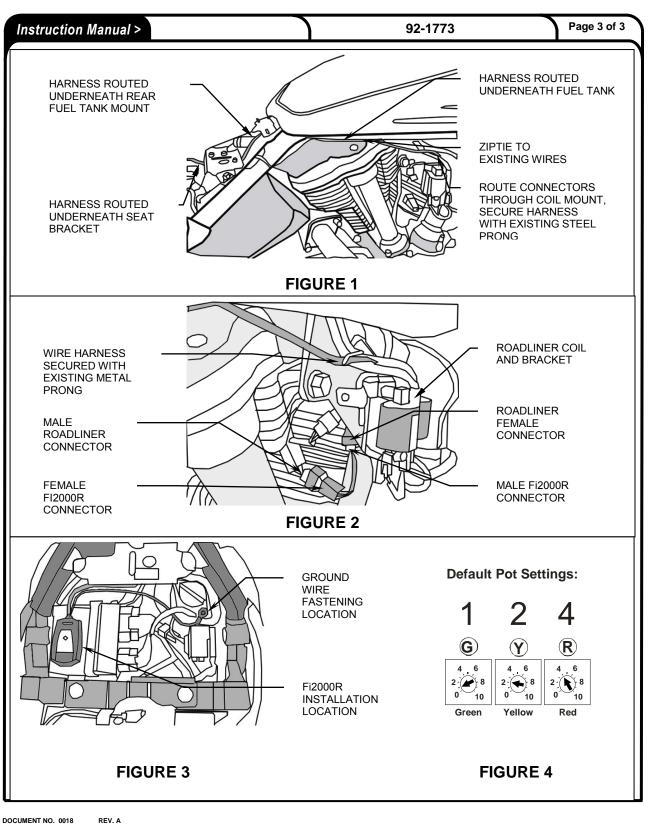
** Only attempt adjustments on a fully warmed motor **

- 1. Start with the base setting, even if you have a full exhaust system. Adjust and test only *ONE* adjustment pot at a time until you are happy with the result.
- 2. Start with the left hand or green light pot. This adjustment works either from idle or above idle (varies with bike) to a R.P.M. of about 5000 (also varies with bike) while the bike is driven at a steady throttle or slowly increasing throttle. This is the cruise range and is where the emissions leanness creates issues like choppy on-off throttle application, surging, and backfiring on trailing throttle.
- 3. Turn this pot back to zero, and make one position increases until you feel the best performance in this range. Do this test a few times to make sure you have it right.
- 4. The middle or yellow pot is an engine load- triggered fuel adding adjustment. A rapid increase of the throttle at any R.P.M. will add additional fuel and as long as that predetermined load is present, fuel will continue. As engine loads increase in higher gears the acceleration fuel will stay on longer and be more effective. 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.
- 5. 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.
- 6. Camshaft changes can alter an engine's volumetric efficiency and create a greater demand on the engine's fuel system than the Fi2000R may have the ability to adjust for.

TROUBLE SHOOTING

If you have any problems refer to: Step 6, in the installation body of these instructions.





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