

# **FIZZLE Y1000 Yamaha Intercooler Kit** **Installation Instructions**

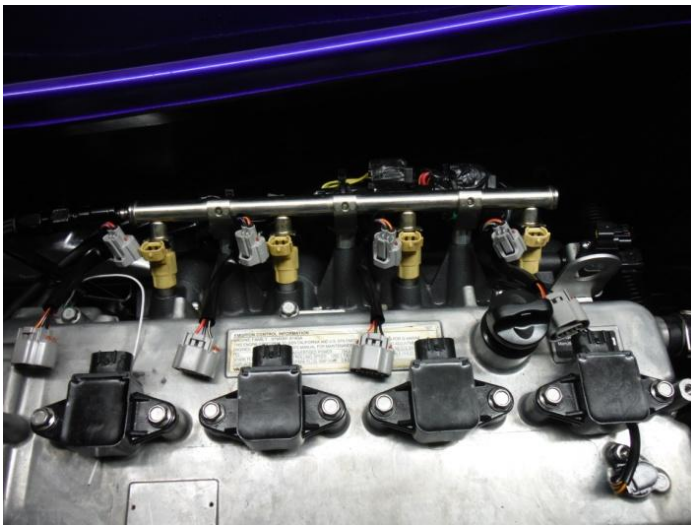
**Update:** Use 21/64" drill bit 1/8" NPT Tap for intake manifold boost reference line.



1. Disconnect both battery cables.
2. Disconnect fuel line on front of fuel rail. While doing so place a shop towel under rail to catch any gas. **Use caution, the fuel system may be pressurized.**
3. Unplug connectors at fuel injectors and coils on top of the engine. **Picture 1**
4. Remove any zip ties holding any wires in place. Use caution not to cut any wires or the green zip tie holders. You will reuse those at a later time.
5. Disconnect all remaining electrical connections. There will be a total of 5. Throttle body, MAP Sensor, and 3 other sensors. Move entire wire harness out of the way, towards the back of the ski, making room to work. **Picture 2**
6. On the intake manifold, remove the 6 bolts, 2 acorn nuts, and small bolt holding the dipstick on the intake manifold. **Picture 3.**
7. Remove the bolts 2 underneath the intake manifold. The bolts are facing upwards (upside down). **Picture 4**
8. Loosen the hose clamp on the throttle body.
9. At this time, the intake manifold can be carefully removed and placed aside. **Picture 5**
10. Remove current intercooler and any related piping. **Picture 5**
11. Remove the black rubber grommet from OEM bracket and relocate it to the new mounting bracket. Also be sure to use the stainless steel insert. Set that aside for use later in the install. **Picture 6 & 7.**
12. Bolt the side bracket to the intercooler with the 2 bolts supplied. Use some red Loctite.
13. Wrap some plumbers tape around the threads of both brass hose barbs and install into the intercooler. **Picture 8**
14. Place the intercooler into position. Some wires and cables may need to be rearranged to allow the intercooler to fit properly. **Picture 9. Use caution not to rest the intercooler on wires or connectors.**
15. Install the triangle bracket onto the intercooler using the 2 bolts provided. Use red Loctite. The cutout of the bracket will be facing downward. **Picture 10**
16. Install the bolt to the engine that was previously removed. The intercooler should have a little movement. This is ok and it is due to the rubber grommet. **Picture 10**
17. Install the lower silicone hose onto the intercooler with a hose clamp that was provided. The 90 degree elbow will be facing upwards towards the throttle body. Place a hose clamp loosely at the 90 which will be used later to secure the throttle body. **Picture 11**
18. Install the dedicated incoming ½" water line to the lower hose barb fitting of the intercooler. This would be an additional water line that was added to the pump. **Picture 17**
19. Install the exiting ½" water line to the upper hose barb fitting on the intercooler. This will run to a ½" bypass fitting. **Picture 17**
20. Carefully install the intake manifold back onto the head of the engine. While doing so make sure the intercooler tube that is facing upwards slides over the throttle body. Secure the tube with the hose clamp that was provided. **Picture 15**
21. Install the 2 acorn nuts and 6 bolts. Securing the intake manifold to the head.
22. Install the 2 bolts at the bottom of the intake manifold. These were the ones that get installed upside down. Head of the bolt facing the bottom of the ski. **Picture 4**
23. Install the small bolt that holds the dipstick to the intake manifold securing the dipstick. **Picture 3**
24. Install smaller coupler onto supercharger and secure using one of the hose clamps that was provided. **Picture 14**

25. Install the reducer coupler larger side onto the intercooler and secure it using one of the hose clamps that were provided. **Picture 14**
26. Install O-ring into Blow Off Valve flange. Place BOV into seat, and install C clip retaining ring. **Picture 12**
27. Bolt the BOV mounting adapter plate to the Intercooler using the 2 bolts provided. **Picture 14**
28. Install vacuum line to the Blow Off Valve and secure using a zip tie.
29. Install U pipe into couplers connecting the supercharger to the intercooler. Use provided hose clamps to secure the pipe in place. **Picture 16**
30. Lay complete wire harness back in place. Reconnect all of the electrical connections. Start by the front of the engine and work your way back. This will ensure everything lies out nicely. **Picture 1**
31. Secure all wiring to the 3 zip tie connections on top of the intake manifold making sure there are no loose wires.
32. Reconnect the fuel line to the fuel rail.
33. Reconnect the battery.

Picture 1



Picture 2

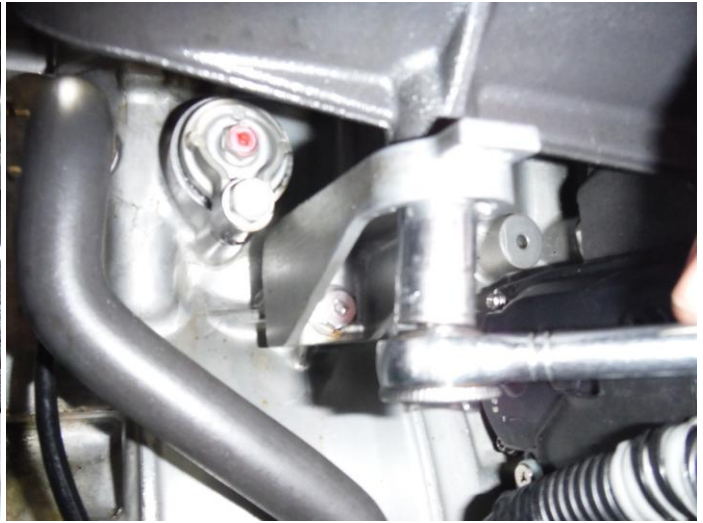


Picture 3

Picture 4



Picture 5



Picture 6



Picture 7

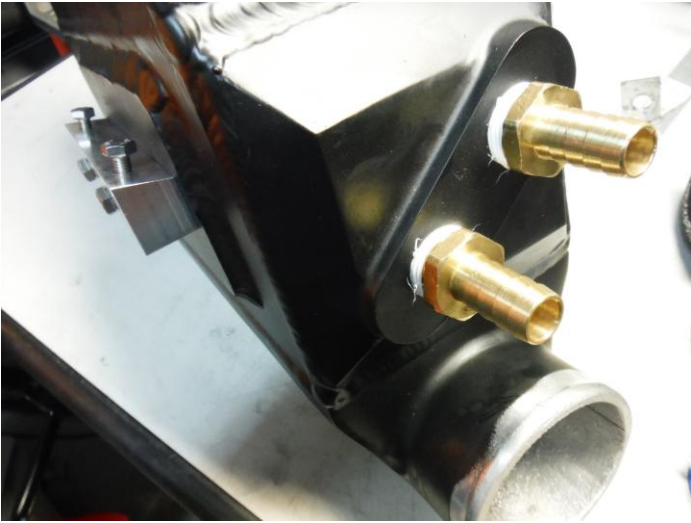


Picture 8



Picture 9

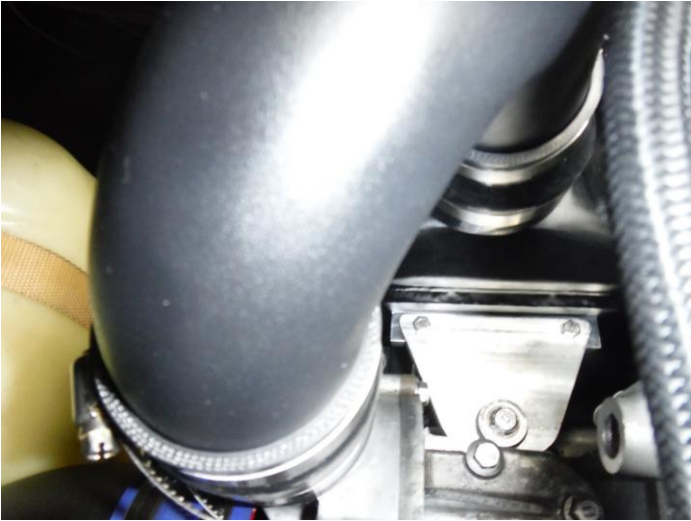




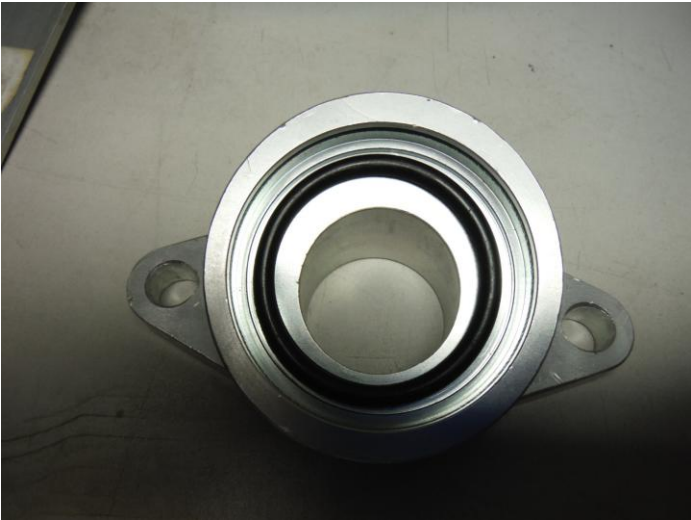
Picture 10



Picture 11



Picture 12



Picture 14

Picture 15



Picture 16



Picture 17

