



kevtx MT/FZ-09 O2 controller Mod

DISCLAIMER: This instruction paper is for informational use. The O2 Controller modification is **sold only for race use**. The O2 Controller modifies the closed-loop fuel injection mapping and it may not comply with emission control regulations in some countries. This modification is installed and used at your own risk. The manufacturer assumes no liability or responsibility for the use of this modification on your own modification.

Motorcycle modifications and maintenance should only be performed by a qualified person. Some modifications may void your warranty and/or your insurance cover. Consult your motorcycle specialist if you are unsure or contact me directly for further information. Kevtx cannot be held responsible for any modification done to your own motorcycle, and is not liable for any claim arising from the information in these instructions or the use of this O2 controller. The reader assumes all responsibility for the use of these instructions.

Background

Many owners of the newer MT & FZ-09 models have reported & are experiencing throttle “surging”. More noticeable at lower RPM’s, at cruising, or when using the advanced engine map, other symptoms might also include irregular throttle response.

The modern 09 motors are high-compression, fuel-injected, computer-managed engines which need to meet demanding emission and noise standards. The leaner air-fuel (A/F) mixtures needed to meet these standards will cause the occasional surges, jerkiness and flat-spots.

Suitability

This O2 Controller mod can be used on stock motorcycles, as well as any MT-FZ-09 with extra filters, pipes and map modifications. This mod is Plug & Play no modification to any of the bikes wiring is need.

2014> MT-09, FZ-09

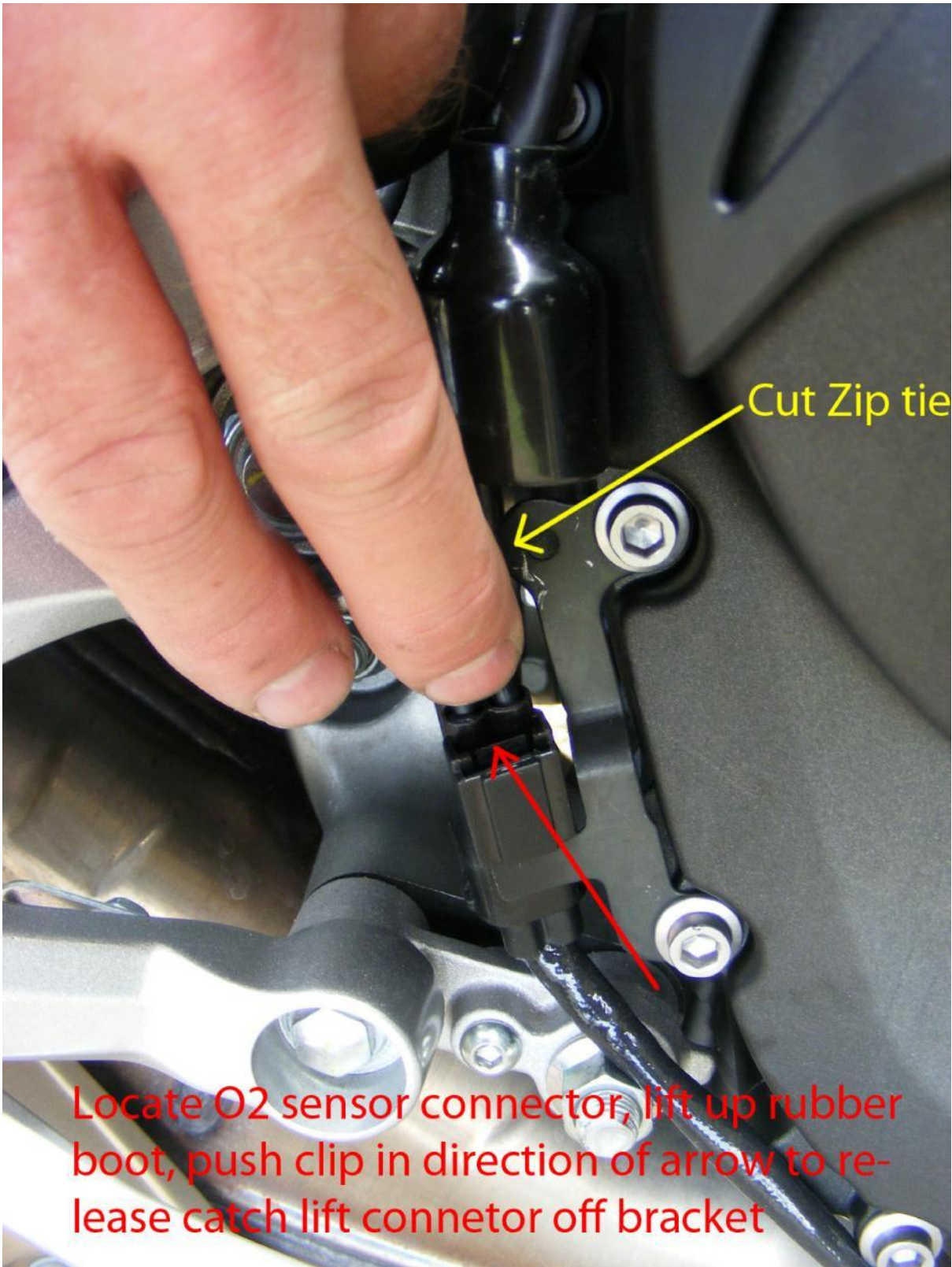
2015> ABS MT-09, FZ-09

2015 & 2016 Tracer

Does not work on 2016/2017 Euro 4 emission ECU's

How to install the mod

1/ Locate the O2 sensor connector on the right side of the bike near the foot brake pedal, lift the rubber boot that covers the connector, disconnect the O2 sensor connector from the metal bracket, unplug the male & female connectors then plug either end of the O2 controller into the unplug connectors to complete the circuit, the O2 controller is plugged in series. Position the O2 controller under the seat.



Cut Zip tie

Locate O2 sensor connector, lift up rubber boot, push clip in direction of arrow to release catch lift connetor off bracket



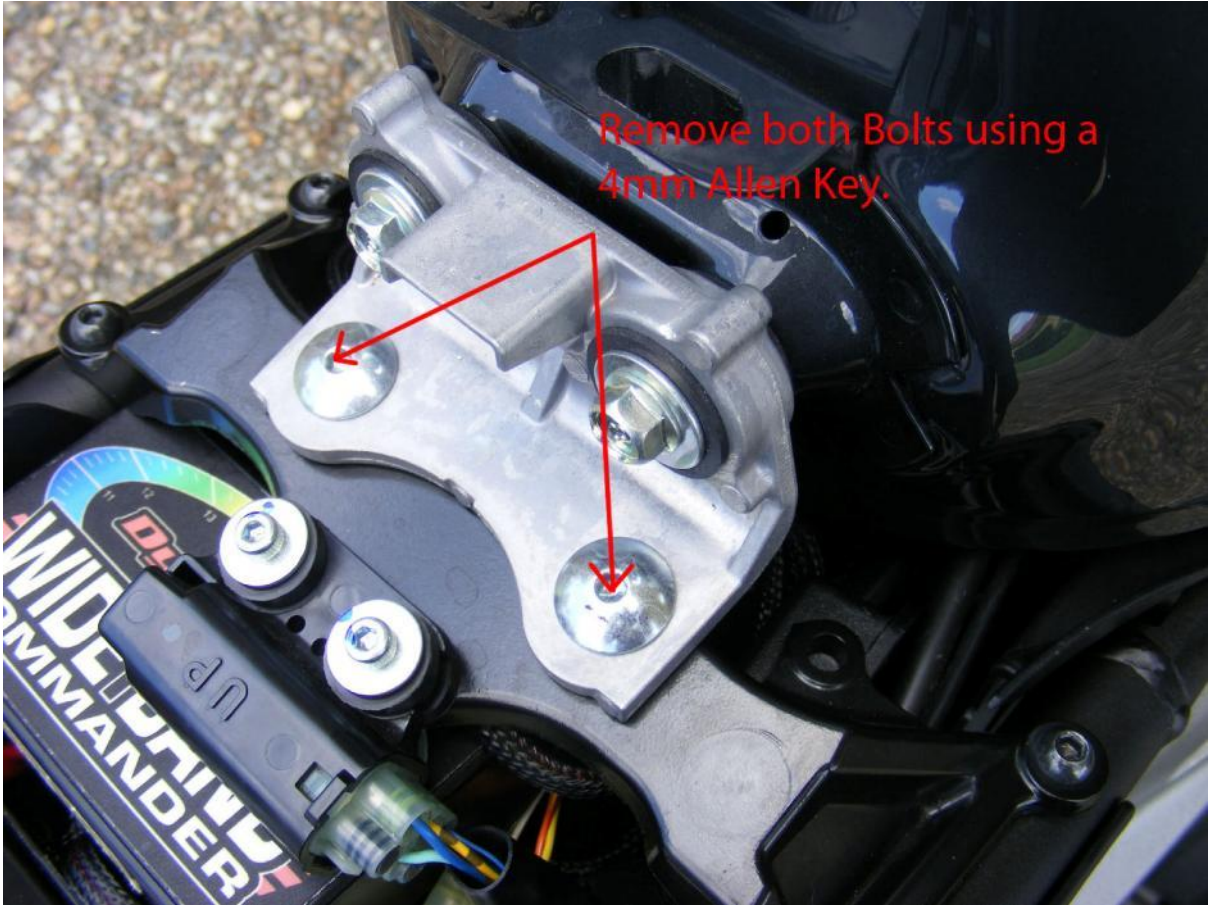
Slide out O2 sensor loom from bracket



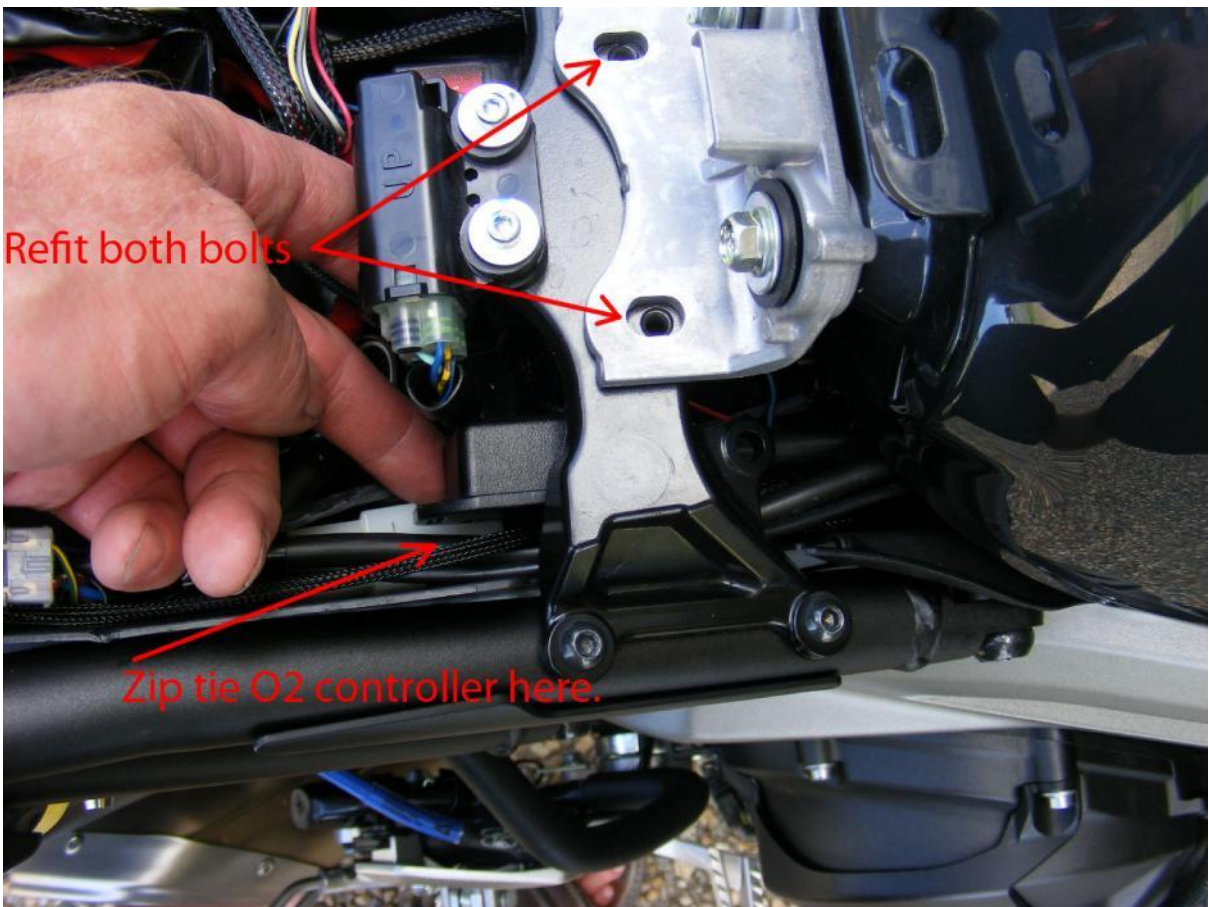
To unplug the O2 sensor
Pull this tab outwards with your
finger nail to release the catch,
then pull the connectors apart.



Cut the rubber boot off the OEM loom, we will re-attach it to the new O2 controller loom later.



Remove both Bolts using a 4mm Allen Key.



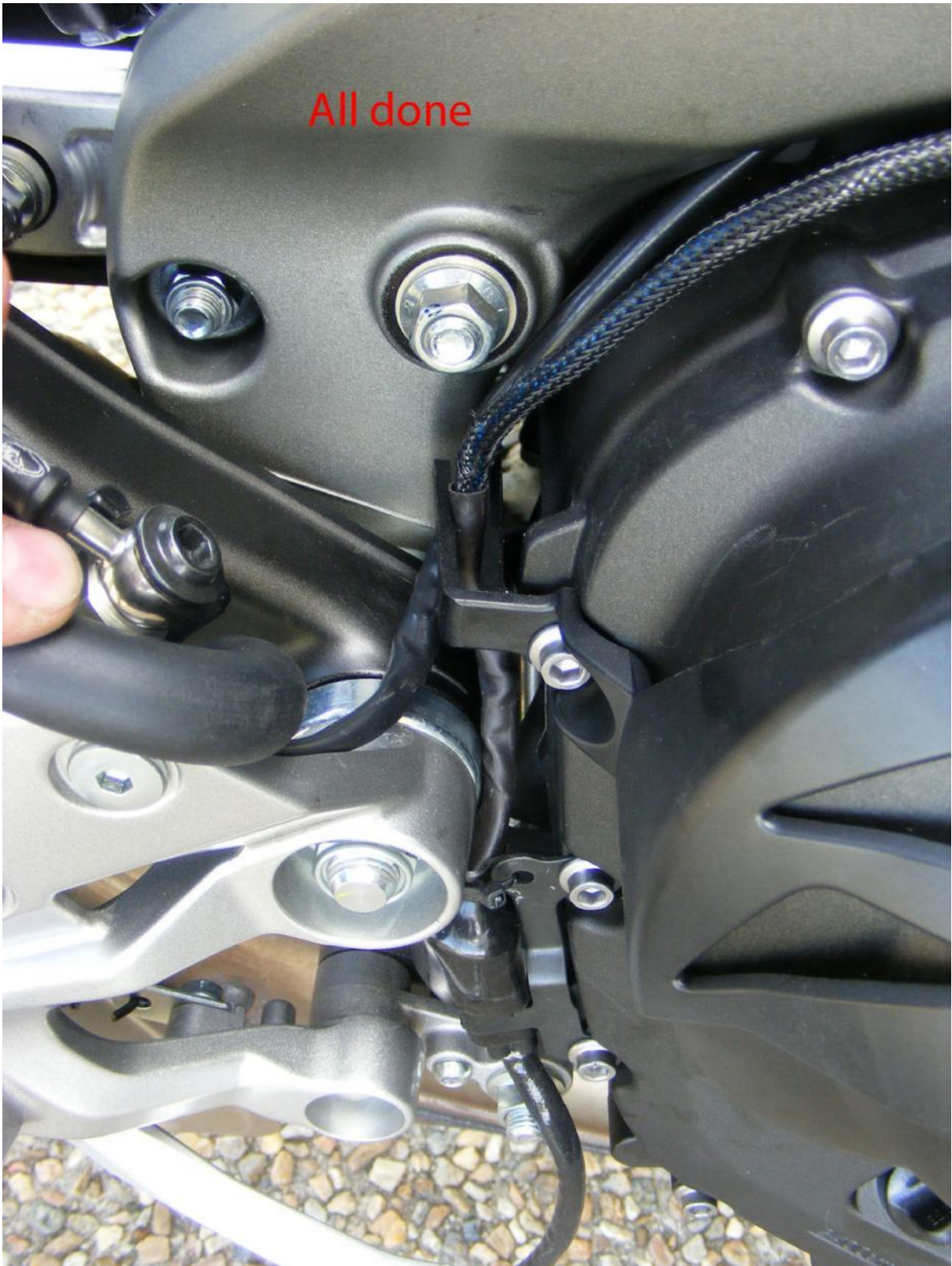


Install O2 controller loom into bracket



Clip O2 connector back into black bracket & Zip tie loom to bracket eye. Fit rubber boot around O2 connector & zip tie inplace.





You can now go for a ride, the mod is self & is constantly tuning the closed loop A/F ratio.

Enjoy.

