

TT302 – April 5, 2007

2007 Idle and Running Issues

These are some strange situations that we have encountered in the field. This information is intended to help you with diagnostics but it is **not** intended to replace the existing diagnostic procedures.

High/Low Idle Situation

Check the TP stop screw in the throttle body to make sure it did not move and is not loose causing the throttle plate to be at the incorrect angle.

Some examples of how to check this are:

- Look at the screw position and throttle plate opening and compare to another motorcycle
- Verify the TP voltage using Digital Technician

If you find that this is the case contact Technical Service.

Rough Idle

We have seen rough idle issues due to the fuel injector wires being swapped. We have seen this at PDI but keep in mind that it can happen if the fuel injector wires have been removed and reinstalled for any reason. When checking the wiring please look at the wire colors to determine the correct position.

You may notice one or more of these symptoms:

- Rough idle when it gets close to operating temperature and then it stalls
- Trouble codes for the O2 sensors
- If you use Digital Technician you will most like see the MAP sensor spiking and the O2 sensor flat lined when looking at these values in graph mode.

Running on one Cylinder

Remove the pushrod tube keepers and lift the tubes so you can see the pushrods. Remove the spark plugs, jack up the rear wheel and put the motorcycle in gear. Rotate the rear wheel by hand and see if the pushrods are moving. If they do not move then remove the cam plate and inspect the cam sprockets.