
TECHNICAL COMMUNICATION No. 003-2006

06-03-2006

Model: RXV – SXV 450/550

Object: Technical information update

1. FULL POWER VERSION

To convert the machine to “Full power” version, it is also necessary to remove the baffle cones located near the connection of the exhaust and expansion manifolds.

Also, when the screw on the throttle valve is removed, the “Max. throttle position learning” procedure must be carried out.

Warning: racing settings may only be used during official competitions or sports events authorised by the competent authorities and taking place in closed circuits or, anyway, away from public roads.

It is strictly prohibited to carry out adjustments for the use of the vehicle on racetracks and then ride it on roads or motorways.

2. VEHICLE SPEED

For the time being, the “Vehicle speed” indication read with Axone does not work (fixed indication of 2 km/h).

Speed signal reading with Axone in oscilloscope mode

Analysis of speed signal between sensor and ECU (brown/yellow wire): just switch the key to ON and turn the wheel slowly: if the sensor and feed circuit are functioning, the voltage falls from 5 V to almost 0 V when a nut passes near the sensor.

Analysis of speed signal on wire (brown/white) between ECU (pin 25) and dashboard: switch the engine on and turn the wheel fast (at least 12 km/h), in this way the square wave of the signal will fall from the battery voltage value to nearly 0 V.

3. FALL SENSOR

It is always inadvisable to remove the fall sensor, in order to avoid damaging the fuel pump and engine.

4. BATTERY

Motorcycles with 550 cc engines have the YTZ 10 S battery.

5. MISCELLANEOUS

After changing the oil, it is advisable to prime the circuit by filling the oil filter compartment.

7 of the 14 crankcase coupling screws (flywheel side) have M7 thread and 7 have M6 thread.

To prevent accumulation of oil in the filter box there is now a discharge pipe connecting it to the crankcase: the inlet zone is on the left side of the motorcycle, near the output of gearbox transmission shaft.

6. ACCESSORIES

The number-plate holder, tail-light and racing headlight for the RXV version are marketed as accessories.