SCREEN 1 (Large Display)

SPEED	ON/OFF
TRIP A	ON/OFF
TRIP B	ON/OFF
ODO	ON/OFF
TIME	ON/OFF
VOLT	ON/OFF
ACCEL	ON/OFF
SPEED	ON/OFF
RPM	ON/OFF
0-100	ON/OFF
▲ SPEED	ON/OFF
▲ RPM	ON/OFF
▲ +ACCEL	ON/OFF
▲ -ACCEL	ON/OFF
FUEL	ON/OFF
LIFE	ON/OFF
OIL TMP	ON/OFF
H2O TMP	ON/OFF
AIR TMP	ON/OFF
OIL PRS	ON/OFF
CLOCK	ON/OFF

Turn ON or OFF the items that you want to be selectable via the "Passing", "Externally Mounted" or "Touch" switch to be displayed on the Large Display Screen.

SCREEN 2 (Small Display)

SPEED	ON/OFF
TRIP A	ON/OFF
TRIP B	ON/OFF
ODO	ON/OFF
TIME	ON/OFF
VOLT	ON/OFF
ACCEL	ON/OFF
SPEED	ON/OFF
RPM	ON/OFF
0-100	ON/OFF
▲ SPEED	ON/OFF
▲ RPM	ON/OFF
▲ +ACCEL	ON/OFF
▲ -ACCEL	ON/OFF
FUEL	ON/OFF
LIFE	ON/OFF
OIL TMP	ON/OFF
H2O TMP	ON/OFF
AIR TMP	ON/OFF
OIL PRS	ON/OFF
CLOCK	ON/OFF

Turn ON or OFF the items that you want to be selectable via the "Passing", "Externally Mounted" or "Touch" switch to be displayed on the Small Display Screen.

PARAM

CLOCK	Set Local 24 Hr Time
CIRC	Set to 0298
impW	Set to 07
impE	Set to 0.5
impF	Set to A
SCAL	Set to Maximum RPM
UNIT	Length (KPH/ MPH)
	Temperature (°C/°F)
	Pressure (BAR/PSI)
FLASH	Set Shift Light RPM

The following are the settings that we have set and tested to be good.

Clock: Set to your local time (24 Hour format)

CIRC: This is the circumference of where the OEM Rear ABS Sensor is located on the disc.

This has been calibrated using a GPS device and a setting of 0298 has been tested to be the setting for the closest accuracy for true KPH/MPH .

impW: Set and tested to be good at 07

impE: Set at 0.5 for ALL GEN2 V-Max Models

impF: Set and tested to be good at "A"

SCAL: Set this to the Maximum RPM that you want on your RPM Bar Graph.

UNIT: Set the Length for KPH or MPH

Set the Temperature for °C or °F

Set the Pressure for BAR or PSI

FLASH: Set this for the RPM that you want the display to flash at for your shift light function.

Note: There is only one setting which is for ALL gears.

CONFIG

BRIGHT	AUTO
TOUCH	ON/OFF
DRZ SLP	Set to ON
TEACH FUEL	Set Empty and Full
TEACH SPEED	Do NOT use!!!
TEACH GEAR	Calibrate Gears 1-5
ABACK	OFF/10 to 30secs
BOB	V1.x/V2.x

The following are the settings that we have set and tested to be good.

BRIGHT: Set to AUTO. But you can play around with this and set it to the display brilliance that best suits you.

TOUCH: This either turns ON or OFF the on display Touch Screen select button to be used just like the "Passing" or "Externally Mounted" Switch.

Note: Mfgr even says that this select button is "Weak" to rain.

DRZ SLP: Set to ON to get a smooth scrolling effect movement of the RPM Bar Graph.

TEACH FUEL: Set Down-Arrow for "Empty" and Up-Arrow for "Full" tank of fuel.

TEACH SPEED: Do NOT use this. It is NOT needed since we are setting the CIRC and inpW.

TEACH GEAR: Calibrate on Rear Paddock Stand. Just keep a constant speed as you calibrate each gear.

ABACK: Set this to either OFF or to the time that you want for the Screen 1 (LARGE Display) functions to remain on display before reverting back to the default "Speedometer" function.

BOB: Do NOT change this. It has been set at the factory for the version of the BOB that came in the Kit.

MESSAGE

OIL SW	Set to OFF
OIL SNR	Do Not Set
OIL TMP	Do Not Set
H2O TMP	Do Not Set
VOLTAGE	Set to Warning Volts
ENGINE	Set to ON
FUEL	25% (WARNING)
AIR TMP	Do Not Set
SERVICE	Km/Mi to Next Service

The following are the settings that we have set and tested to be good.

OIL SW: Set to OFF

OIL SNR: Do NOT set this.

OIL TEMP: Do NOT set this.

H2O TEMP: Do NOT set this.

VOLTAGE: Set this to the Battery Voltage at which you want to see a Low Battery warning on the display.

ENGINE: Set to ON

FUEL: Set this to the percentage of Fuel left in the tank, when a LOW FUEL warning is displayed.

Note: Setting this at 25% would make it the same as the OEM bike.

AIR TMP: Do NOT set this.

SERVICE: Set the mileage to travel before a "Service" warning is displayed.

SYSTEM

ODO	Set Current Mileage
RESET	Do Not Select
V 1.5	SW Motoscope Pro
2.0 BOB	SW Break-Out-Box
HW v1.2	HW Motoscope Pro

The following are the settings that we have set and tested to be good.

ODO: Set your current Odometer mileage here.

RESET: Do NOT use this as it will reset all the settings done in this programming thus far to factory default.

V 1.5: Displays the installed Motoscope Pro Meter's Software Version.

2.0 BOB: Displays the installed Break-Out-Box's Software Version.

HW v1.2: Displays the installed Motoscope Pro Meter's Hardware Version.

Note: The displayed version here should coincide with the version displayed under "CONFIG", "BOB".

CAN-BUS

OFF		
TRIUMPH	STR 2010	
	SPD 2006	

The following are the settings that we have set and tested to be good.

OFF: Set this to OFF

TRIUMPH: Not Applicable

NOTE:

Use the above settings which were set and tested to work properly on the initial two GEN2 installs which resulted in the making of this diagram in addition to all the English Version documentation and diagrams for the Yamaha GEN2 V-Max.

Once you are satisfied that everything is working, you can play around with "some" of the settings as outlined within each item's function setting explanation.

Rule of thumb: If the item's explanation states, "Do NOT set" or "Set to xxx"...those are ABSOLUTES and should NOT be changed to a different setting.

Please understand that any and all settings and changes to them are at your own risk. You have been warned.

CMS Pro Meter Programming Diagram

19 Dec 2012 v1.3_A