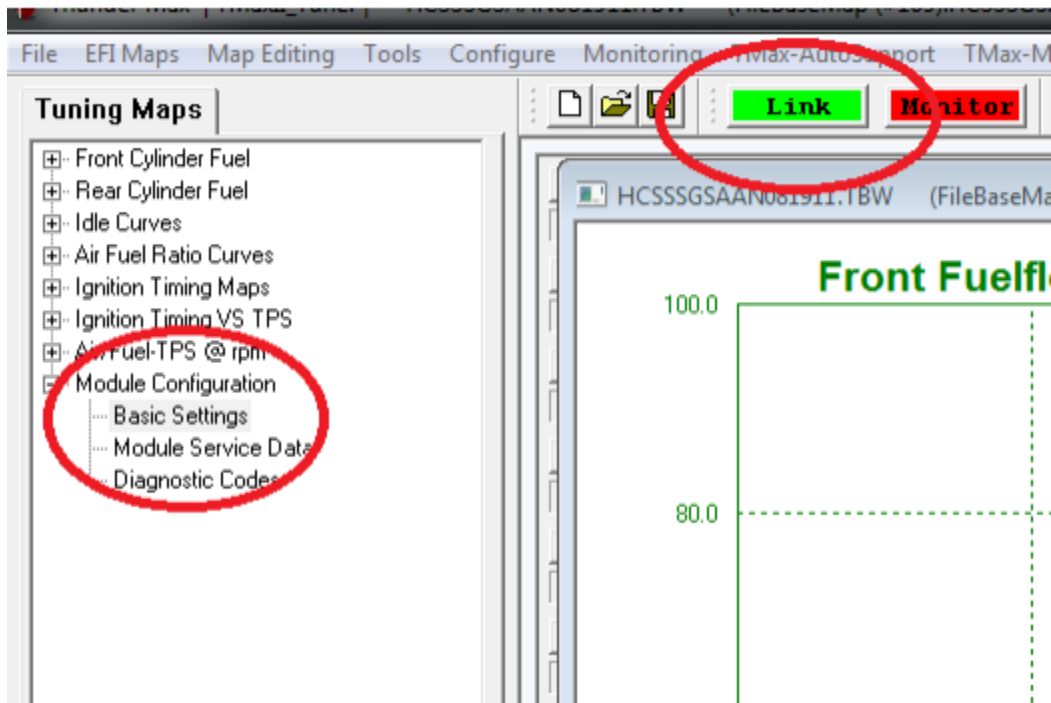


Setting Speedometer Calibration

1. Open TMax/SmartLink Software
2. Link to the motorcycle.
3. Read the map from the module (Main Menu>Map Editing>Read Module Maps and settings)
4. Open the Basic Settings Dialog (Tuning Maps>Module Configuration>Basic Settings)



From the Basic Settings Dialog select > SpeedoCal Button

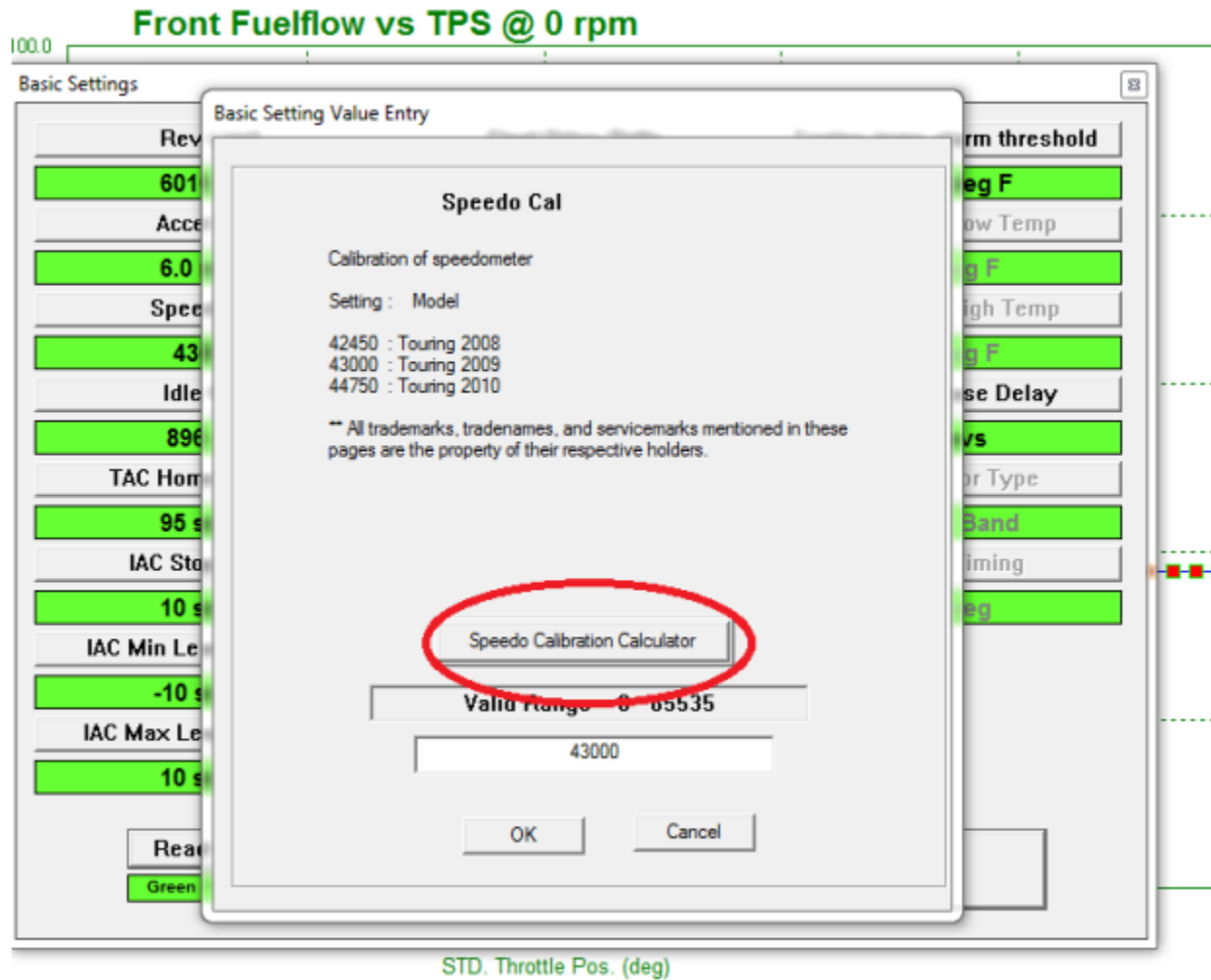
Basic Settings FuelFlow vs TPS @ 1 rpm

Rev Limit	Final Drive Ratio.	Engine temp alarm threshold
6016 rpm	87 units	375.09 deg F
Accel Fuel	Gear 6 Min Tps	*AutoTune Low Temp
6.0 msec	40 tps	200 deg F
Speedo Cal	Initial Fuel Pulse	*AutoTune High Temp
43000	121 %	280 deg F
Idle Rpm	Cranking Fuel	Comp Release Delay
896 rpm	8.0 msec	2.0 revs
TAC Home Position	Decel Fuel Cut	EGO Sensor Type
95 steps	0 on/off	2 Wide Band
IAC Stop Target	Decel Fuel Cut Rpm Low	Injector Timing
10 steps	2944 rpm	392 deg
IAC Min Learning Offset	Decel Fuel Cut Rpm High	
-10 steps	3200 rpm	
IAC Max Learning Offset	Decel Post Fuel Enrichement	
10 steps	7.84 % fuel	

Read Module Settings Write Module Settings Close

Green == Actual Module Value Yellow == Map/User Value

Select Calibration Calculator Button.



There are many optional ways to calculate the proper speedo calibration.

The simplest method is to drive the motorcycle and have someone with a known correct speedometer reading follow you or use a GPS to get the correct mph (True Speed).

Enter in the dialog below the “Indicated Speed” and also the “True Speed” values.

Press the “Calculate” button and the new speedometer calibration will be automatically calculated and stored into the basic settings and the module.

Speedometer Calibration

How to calculate a new calibration:

1. Enter the original speedometer calibration value.
2. Choose the desired Data Method.
3. Enter the required data values.
4. Select the Calculate Button.

Choose Calculation Method

Tire diameter method.

Pulley teeth count method.

Indicated / True speed method

Current Speedo Calibration: 43000

Tire Data (Tire Diameter)

Original Tire Diameter: 25

New Tire Diameter: 25

Calculate

New Calibration Value: 43000

Pulley Data (Number Of Teeth)

Original Pulley Tooth Cnt: 70

New Pulley Tooth Cnt: 70

Calculate

New Calibration Value: 43000

Indicated Speed Vs True Speed

Indicated Speed: 70

True Speed: 65

Calculate

New Calibration Value: 46307

OK Cancel

Green

As you OK and exit this series of dialogs, you will see the NEW calibration value has been stored in the basic setting. It has also been stored in the Module.

It's a good idea to "save" this map now so that changes you have made will be available later, if needed, to reload the module. Use the "SaveAs" command and choose a name and location you will remember.

Speedometer Calibration

How to calculate a new calibration:

1. Enter the original speedometer calibration value.
2. Choose the desired Data Method.
3. Enter the required data values.
4. Select the Calculate Button.

Current Speedo Calibration: 43000

Choose Calculation Method:

- Tire diameter method.
- Pulley teeth count method.
- Indicated / True speed method

Tire Data (Tire Diameter):

Original Tire Diameter: 25
New Tire Diameter: 25
Calculate
New Calibration Value: 43000

Pulley Data (Number Of Teeth):

Original Pulley Tooth Cnt: 70
New Pulley Tooth Cnt: 70
Calculate
New Calibration Value: 43000

Indicated Speed Vs True Speed (circled in red):

Indicated Speed: 70
True Speed: 65
Calculate
New Calibration Value: 46307

OK Cancel

Green