

Tuning step by step

Introduction

The following pages contain a range of products that could be described as horizon to horizon instead of the usual „wide range“. Parts not only for more power and performance, but with an eye to your safety and comfort. Our palette runs the scale from necessities for daily use to the deep end; extreme parts for professionals.

We're focusing on products from the best: **MALOSSI** and **POLINI**, paragons of the racing scene. Street products are the big winners here, when know how reaches parts for normal street use. In those areas where neither have enough products, we've included other name brands in the program.

In the exhaust section you'll find over twenty different systems from **MALOSSI**, **POLINI**, **YASUNI**, **LEOVINCE**, **TECNIGAS**, **BIGONE** and **SIP**, from standard exhausts up to bomb-ass racing systems. To top it off, the Best Of scooter cup pilots and performance freaks: **MALOSSI MHR**, **POLINI EVOLUTION** and **HEBO MANSTON**.

All parts have something in common: they set quality standards that all other products are measured against. We've taken a number of them apart in our workshop, so we ought to know!

To give you an idea about **tuning levels**, we've put the steps together for you. Single steps can be varied with others and are marked. **Important:** an adjustment of both carburetor jets and variator weights after each tuning step is advisable, to guarantee that the increase in performance can be optimized on the road. The tuning lists are a mixture of recommendations from **MALOSI**, **POLINI** and our very own **SIP Scooter-shop workshop**.

You'll find the recommended tuning level next to every performance part in the catalog, to help you find exactly that part you need for the level of tuning you are working on. All this, to help you build the motor of your dreams. All tuning steps are built on each other.

The 4 Main

Level 1

50cc
Standard Tuning

Inexpensive introduction tuning for those who want to upgrade a little: better starts, a bit more speed, more power. **No change in cubic capacity.** First level tuning is unobtrusive, especially in exhaust systems. Noise levels are low.

Level 2

68cc
Sport Tuning

This is for the normal every day driver who doesn't need high performance, and is willing to invest a little work to get more power and make it stay put. Quicker acceleration, more oomph on steep grades, higher speeds. **Result: Increased performance that makes daily driving a dream.**

Tuning steps

I.

Get rid of throttles on your scooter; be it through sport induction or sport manifolds. Remove vario stop rings and bridge throttled CDI's.

II.

Sport Variator
Sport Kevlar Belt
Reed Valve Intakes
Sport Air Filter Insert
Variator Rolls
Clutch Springs

Sport Variator
Sport Kevlar Belt
Reed Valve Intakes
Sport Air Filter Insert
Variator Rolls
Clutch Springs

III.

Cylinder Kit 50 cc
MALOSSI/POLINI

Cylinder Kit 68cc
MALOSSI/POLINI SPORT

Reed Valve Block

Reed Valve Block
Variator Springs
Fan Wheel

alternative or in combination
Racing Exhaust
LEOVINCE Touring/SP3
TECNIGAS/BIG ONE Basic
POLINI No Smoke

alternative or in combination
Racing Exhaust
LEOVINCE Handmade ZXIS
YASUNI Scooter R
TECNIGAS Next/Next R
POLINI Funky/BIG ONE Sport

IV.

17.5mm Carburetor
Racing Air Filter
Enlarged Intake Manifolds
Racing Clutch
MALOSSI FLY/POLINI Speed
Clutch Bell MALOSSI

17.5mm Carburetor
Racing Air filter
Enlarged Intake Manifolds
Upgear Kit
Racing Clutch
MALOSSI DELTA/POLINI 2G
HEBO Race
MALOSSI Wing Bell

V.

Racing Exhaust
LEOVINCE Handmade ZXIS
YASUNI Scooter Z
TECNIGAS Next/Next R
POLINI Funky/BIG ONE Sport

19mm Carburetor Kit
Racing Air Filter
CDI Ignition

VI.

Speed- / Torque Drive
Upgear Kit
Racing Crankshaft

Speed - / Torque Drive
Racing Crankshaft



Tuning Levels

Level 3

68cc
Race Tuning

Race tuning is built on the basis established by sport tuning because much is compatible. Target group here is your power hungry daily driver and those who play around with participating in events. **Faster acceleration, speeds above 100 km/h coupled with high durability** are the earmarks of this class. Some of these beefed up exhaust systems have an E-certificate.

Level 4

50cc/68cc
Evo-Tuning

Top of the Class. **Only for the ambitious: future champions and those who want only the very best.** Tuning experience and enough pocket money are necessary here. Parts represent various racing categories. We recommend using parts from one category, as they are coordinated to work best with each other.

Get rid of throttles on your scooter; be it through sport induction or sport manifolds. Remove vario stop rings and bridge throttled CDI's.

Sport Variator Sport Kevlar Belt Reed Valve Intakes Fan Wheel Variator Rolls Clutch Springs	Variator MHR/EVO Sport Kevlar Belt Reed Valve Intakes <i>Belt Pully MHR/EVO</i> Variator rolls Clutch springs
Cylinder Kit 68 ccm <i>POLINI CORSA/ALU</i> <i>MALOSSİ MHR Replica</i> <i>HEBO Manston Replica</i> Reed Valve Block Variator Springs	Zylinderkit 50/68ccm <i>POLINI EVO</i> <i>MALOSSİ MHR</i> <i>HEBO Manston</i> Reed Valve Block Variator Springs
Racing Exhaust <i>POLINI For Race II</i> <i>MALOSSİ MHR Replica</i> <i>TECNIGAS RS/SIP RACE</i> <i>YASUNI Carrera 16/20</i>	Racing Exhaust <i>MALOSSİ MHR</i> <i>Hebo Manston Racing</i> <i>POLINI Evolution</i>
19mm Carburetor Kit Racing Air Filter Enlarged Intake Manifold Upgear Kit Racing Clutch <i>MALOSSİ Delta/POLINI 2G</i> <i>HEBO Race</i> <i>MALOSSİ Wing Bell</i>	19mm Carburetor Kit Racing Air Filter Enlarged Intake Manifold Upgear Kit Racing Clutch <i>MALOSSİ Delta/POLINI 2G</i> <i>HEBO Race</i> <i>MALOSSİ Wing Bell</i>
19/21mm Carburetor Kit Racing Air Filter CDI Ignition	21/25mm Carburetor Kit Racing Air Filter CDI Ignition
Speed - / Torque Drive Racing Crankshaft	Speed - / Torque Drive Race Ignition Racing Crankshaft



Tuning levels