

Yamaha Motor Europe

**2018 GYTR[®] YZ125
HIGH PERFORMANCE KIT
1SR-HIPER-KT-08**

GYTR[®]
*GENUINE YAMAHA TECHNOLOGY RACING
PERFORMANCE PRODUCTS*

2018 GYTR® YZ125 high performance kit



Introduction

For 2018 the GYTR® High Performance Kit is again improved compared to the already very good 2017 kit.

Updates on exhaust, cylinder, carb jetting kit and a new added modified power valve resulted in a higher end RPM, a higher power output and improved torque curve.

This engine kit is developed in cooperation with YAMAHA RACING. It is a result of their top-level knowledge combined with their GP racing experience. The target of this kit is to improve the performance of the production YZ125. Attention has been paid to reach a high performance level without forgetting the engine durability on heavy racetrack conditions.

Fitment:

GYTR® recommends to use the kit for a new YZ125 model year 2018 or an overhauled fresh engine to ensure performance and durability.

This means YZ125 from *2017 and before* can also make use of this kit.

What does GYTR stand for ?

GYTR stands for **G**enuine **Y**amaha **T**echnology **R**acing and are performance parts, fully developed by Yamaha for our competition YZ/WR models, in cooperation with Factory Racers and test riders to ensure the needs of racers are satisfied.



2018 GYTR® YZ125 kit content:



- **Cylinder head with studs - updated**

Special CNC machined cylinder head will come with extra studs bolt so original cylinder will keep its studs. Which also result in a more secure and easy installation.

- **The cylinder head insert**

It has a special shape of the dome to maximize combustion .

- **CNC Ported cylinder – updated**

The Ported cylinder developed by GYTR®. Cylinder improves airflow of the ports. Comes with new oil seal pre-installed for the shaft of the exhaust valve system. It is CNC machined and manually checked and reworked the last edges.

- **Piston assembly**

The piston is developed by GYTR®. Complete with piston ring , piston pin and 2 circlips. A GYTR piston has a different profile and material compared to standard piston. 1 Spare piston assy is included in the kit.

- **VFORCE® Reed Valve air intake system**

Intake manifold with carbon-fibre reed valves for better throttle response and durability.

- **Exhaust Pipe – updated**

The GYTR® designed exhaust pipe has been improved to get more performance s made to provide a well-balanced performance and throttle response in whole RPM ranges.

- **Silencer**

GYTR® designed the titanium silencer to reach the best engine power while ensuring the durability. A bolt and washer is added to have better fitment

- **CDI – New map**

This digital CDI is mapped by GYTR® with latest map. It provides optimum ignition characteristics to improve the basic performance of the GYTR® Engine Kit.

**Note: Very important: this CDI needs resistor's type spark plug (not included in the kit).
(The standard YZ spark plug has resistor).**

- **Magneto rotor unit**

Additional magneto rotor, with higher inertia mass than in stock YZ125. Especially beneficial for riders that want a more torquey engine.

- **Carburettor Setting Kit - updated**

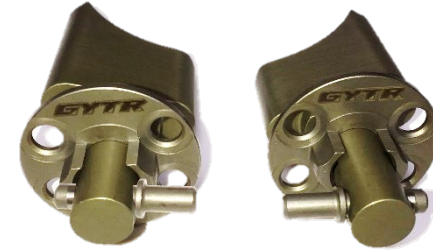
Contains a set of 5 main jets , 1 slow jet and 1 special made needle to adjust the kit accordingly to weather, height and track conditions.

Advice setting is given in kit manual.



- **Exhaust power valve – Newly added for 2018**

Improves power band and throttle response of this power full kit



- **Carbon Ignition Cover - Newly added for 2018**

Reduces weight with 34 gram! and stronger than original cover
GYTR logo is underneath transparent coating layer for long lasting good finish



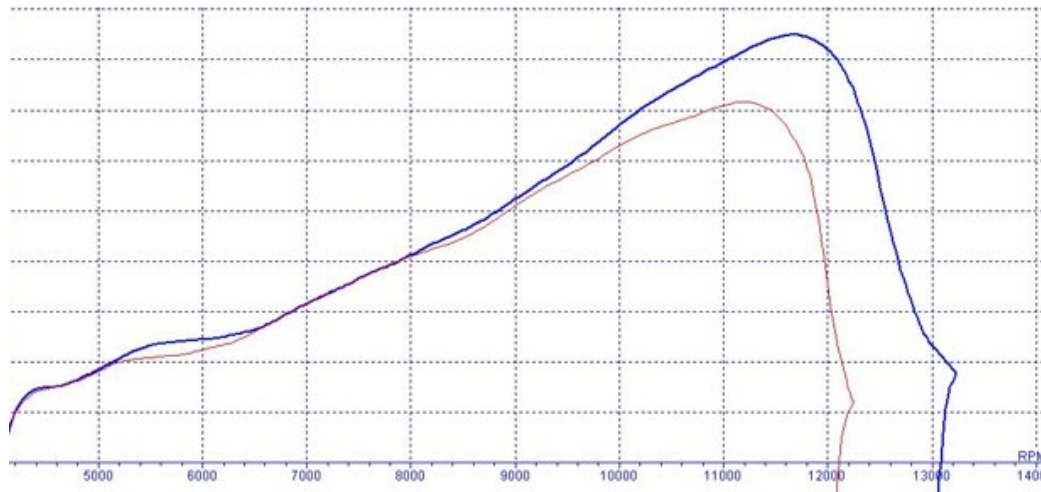
- **Clutch preload washers**

These 5 washers were added to the kit so customer can add these to increase Pre-load of clutch springs to prevent clutch slip on heavy sand or mud tracks.

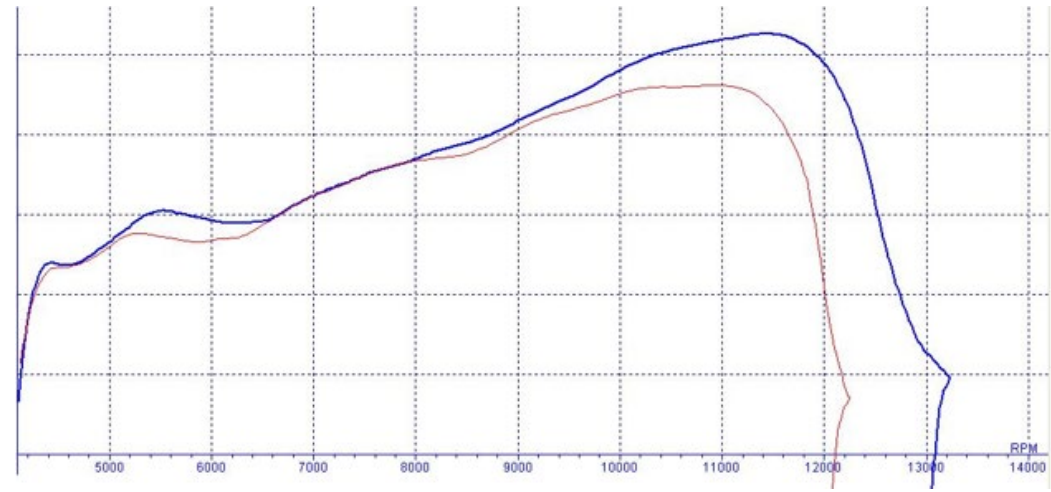


- **Kit Manual (updated)**

The Kit Manual gives you some additional information straight from the Yamaha Factory Racing experts to get the best performance and durability out of your YZ125 engine.



YZ 125 2018 kit versus standard power curve



YZ 125 2018 kit versus standard torque curve