

UPGRADE KITS

Faster throttle response, more torque and power

Tune your engine!

Beta

- ✔ RR125 2T '18->
- ✔ RR250 2T '18->

Fantic

- ✔ XX125 '21

GASGAS

- ✔ MC65 '21
- ✔ MC85 '21
- ✔ MC125 '21

Husqvarna

- ✔ TC65 '17->
- ✔ TC85 '14-'17
- ✔ TC85 '18->
- ✔ TC125 '16->
- ✔ TC250 '17->

Kawasaki

- ✔ KX85 '00->

KTM

- ✔ 65SX '09->

- ✔ 85SX '13-'17

- ✔ 85SX '18->
- ✔ 125SX '16->
- ✔ 250SX '17->

TM

- ✔ MX85 '13->

Yamaha

- ✔ YZ85 '19->
- ✔ YZ125 '05->



KTM 65SX '09-> Husqvarna TC65 '17-> GasGas MC65 '21

BENEFITS

The upgrade kit is specially composed to gain the best performance from your 65cc bike with VHM parts. This combination of high performance parts will ensure a faster throttle response, more torque and power for the fastest lap times on track. The bike will also give a better handling and higher corner speed.



VHM UPGRADE PARTS

Cylinder head	AA33112
Insert	AE32167-059
12° Piston kit (Ø44.96)	APKT06521722B
Crankshaft (middle inertia)	AK20097-1
CDI unit (map 1=VHM) '18-'20	CD060218
CDI unit (map 1=VHM) '21	CD060221
Powervalue adjuster	DA31153
Powervalue base	DA31181
Exhaust flange	DA31194



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Tune your bike with the same VHM high performance parts as used by many previous World, European and National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and powervalve including axle will also give your KTM 65SX a performance boost.



HGS PART NUMBERS

Exhaust '16->	HG06E211
Silencer '16->	HG06S211
Silencer '16-> Blue	HG06S211B
Silencer '16-> Orange	HG06S211O
Silencer '16-> Blue with carbon end cap	HG06S211BC
Silencer '16-> Red	HG06S211R
Exhaust '09-'15	HG06E210
Silencer '09-'15	HG06S210
Silencer '09-'15 Blue	HG06S210B
Silencer '09-'15 Orange	HG06S210O

PART NUMBER

Powervalve + axle DA31028



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KTM 85SX '13-'17 Husqvarna TC85 '14-'17

BENEFITS

The combination of the cylinder head and VHM 12° billet piston provides faster throttle response, torque and power. With our VHM high inertia crankshaft modification, the crank will transfer the high engine power output smoothly to the rear wheel, without being too aggressive. It will ensure better handling and riding for the young riders!



VHM UPGRADE PARTS

Cylinder head	AA33145
Insert	AE32226-056
12° Piston kit (Ø46.95)	APKT08521707A
Crankshaft modification (high inertia)	AK20161-002



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Tune your bike with the same VHM high performance parts as used by many previous World, European and National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your KTM 85SX / Husqvarna TC85 a performance boost.



HGS PART NUMBERS

Exhaust '04-'17	HG06E311
Silencer '04-'17	HG06S311
Silencer '04-'17 Blue	HG06S311B
Silencer '04-'17 Orange	HG06S311O



V-FORCE PART NUMBER

V-force 4 '03->	V4R85A
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KTM **85SX** '18->
 Husqvarna **TC85** '18->
 GasGas **MC85** '21

BENEFITS

Considerably increase your bike's mid to top range power with our VHM cylinder head, insert, 12° piston, air intake and crankshaft. Optimized in combination with our VHM ignition map from the CDI unit.



VHM UPGRADE PARTS

Cylinder head	AA33171
Insert	AE32281-013
12° Piston kit (Ø46.95)	APKT08521707A
Crankshaft (middle inertia)	AK20225
CDI unit (map 1 = VHM)	CD060318
Air intake	A1060318



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COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your KTM 85SX / Husqvarna TC85 a performance boost.



HGS PART NUMBERS

Exhaust '18->	HG06E312
Silencer '18->	HG06S312
Silencer '18-> Blue	HG06S312B
Silencer '18-> Blue with carbon endcap	HG06S312BC
Silencer '18-> Black with carbon endcap	HG06S312BLC
Silencer '18-> Orange	HG06S312O
Silencer '18-> Red	HG06S312R

V-FORCE PART NUMBER

V-force 4 '03->	V4R85A
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Yamaha YZ85 '19->

BENEFITS

Increase your engine's power with our VHM cylinder head, insert, 12° piston kit, CDI unit and high inertia crankshaft. The crankshaft will transfer the high power output smoothly to the rear wheel for better traction, handling and faster driving. The quality of our crankshaft with hardened crankweb definitely exceeds OEM, considerably leading to less vibrations and less runout.



VHM UPGRADE PARTS

Cylinder head	AA33176
Insert	AE32286-029
12° Piston kit (Ø47.45)	APYZ08521757A
Crankshaft (high inertia)	AK20235B
CDI unit (map 1 = VHM)	CD020319



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Tune your bike with the same VHM high performance parts as used by many previous World, European and National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your Yamaha YZ85 a performance boost.



HGS PART NUMBERS

Exhaust '19->	HG02E311
Silencer '19->	HG02S311
Silencer '19-> Blue	HG02S311B



V-FORCE PART NUMBER

V-force 4 '19->	V4R82A-i
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KTM **125SX** '16->
 Husqvarna **TC125** '16->
 GasGas **MC125** '21

BENEFITS

Our VHM 12° piston kit, manufactured from high grade aluminium, keeps it's high performance during lifetime. The VHM middle inertia crankshaft with modified balance and inertia ensures less vibration and smooths the power delivery to the rear wheel. These tuning parts are further optimized by using our VHM ignition map from our CDI unit.



VHM UPGRADE PARTS

Cylinder head	AA33156
Insert	AE32257-026
12° Piston kit (Ø53.95)	APKT12511673A
Crankshaft (middle inertia)	AK20252
CDI unit (map 1 = VHM)	CD060416
Air intake	AI060416



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Tune your bike with the same VHM high performance parts as used by many previous World, European and National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your KTM 125SX / Husqvarna TC125 a performance boost.



HGS PART NUMBERS

Exhaust '19->	HG06E412
Silencer '19->	HG06S412
Silencer '19-> Blue	HG06S412B
Silencer '19-> Blue with carbon endcap	HG06S412BC
Silencer '19-> Black with carbon endcap	HG06S412BLC
Silencer '19-> Red	HG06S412R
Silencer '19-> Orange	HG06S412O
Exhaust '16-18	HG06E411
Silencer '16-18	HG06S411

V-FORCE PART NUMBER

V-force 4 '16->	V4R26
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Yamaha **YZ125** '05- Fantic **XX125** '21

BENEFITS

The combination of a VHM piston with 3mm higher position of the piston pin bore and 3mm longer connecting rod leads to less side load on the piston skirt and frictional losses. The results are high performance, better throttle response, more torque and power. All VHM crankshafts are heat treated for strength and durability and can be overhauled many times without losing its rigidity.



VHM UPGRADE PARTS

Cylinder head	AA33077
Insert	AE32100-E
12° Piston kit (Ø53.95) use s/e bearing 20mm width	APYZ12521714A
Crankshaft (high inertia, +3mm conrod)	AK20192-1



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Tune your bike with the same VHM high performance parts as used by many previous World, European and National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your Yamaha YZ125 a performance boost.



HGS PART NUMBERS

Exhaust '05->	HG02E410
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Silencer '05->	HG02S410
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Silencer '05-> Blue	HG02S410B
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V-FORCE PART NUMBER

V-force 4 '05->	V4R04
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SMALL END BEARING 20MM WIDTH

ProX	21.3206
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Vertex	WB111
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KTM 250SX '17-> Husqvarna TC250 '17->

BENEFITS

The VHM cylinder head will lead to more engine power and a better heat transference. The combination of our 12° piston kit and complementary insert will improve your bike's top end power. The air intake contributes to an improved torque.



VHM UPGRADE PARTS

Cylinder head	AA33166
Insert	AE32272-024
12° Piston kit (Ø66.33)	APKT25021754A1
Air intake	AI060619 2T
CDI unit (map 1 = VHM)	CD060617



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Tune your bike with the same VHM high performance parts as used by the European and many National champions!

COMPLEMENTARY UPGRADE PARTS

Besides our own developed VHM products, a HGS exhaust and V-force 4 will also give your KTM 250SX / Husqvarna TC250 a performance boost.



HGS PART NUMBERS

Exhaust '19->	HG06E612
Silencer '19->	HG06S612
Silencer '19-> with carbon endcap	HG06S612C
Silencer '19-> Black with carbon endcap "round shape"	HG06S612BLC
Exhaust '17-18	HG06E611
Silencer '17-18	HG06S611

V-FORCE PART NUMBER

V-force 4 '17->	V4R26
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Kawasaki **KX85** '00-→

Extra performance with this cylinder head, insert and crankshaft modification. The modification can be performed by us on your OEM crankshaft.



VHM UPGRADE PARTS

Cylinder head	AA33151
Insert	AE32240-E
Crankshaft modification (middle inertia)	AK20178-002

TM **MX85** '13-→

Extra power with our VHM cylinder head and insert. Also available, a VHM piston kit for MX85!



VHM UPGRADE PARTS

Cylinder head	AA33070
Insert	AE32089-H
Piston kit (Ø47.89)	APTMO8521702E

Beta RR125 2T '18->

Increased performance over the whole curve, especially from mid to top, with this cylinder head, insert and in combination with our CDI unit.



VHM UPGRADE PARTS

Cylinder head	AA33184
Insert	AE32297-E
CDI unit (map 1=VHM) '20-'21	CD070420

Beta RR250 2T '16->

Increased power from mid to top with this cylinder head, insert and in combination with our CDI unit.



VHM UPGRADE PARTS

Cylinder head	AA33183
Insert	AE32296-E
CDI unit (map 1=VHM) '20-'21	CD070620



VHM

VHM Merchandise



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