



Husqvarna TE 450 (2004)

Racing Exhaust System

# Akrapovic Racing Exhaust System for the Husqvarna TE 450 (2004)

Husqvarna is celebrating its centennial as a motorcycle manufacturer. They have experienced their ups and downs but they are still going strong and putting new models on the market. Their 2004 models are equipped with new 100th anniversary graphics. The slender TE 450 is the enduro version which is competing with the currently more popular enduro models from other manufacturers.

## GOAL

We have developed a complete Akrapovic RACING exhaust system for all enduro riding enthusiasts which conforms to the FIM regulations for exhaust system noise levels. Due to these regulations it is very difficult to obtain high performance from exhaust systems, but we were still able to find a fair amount of power for the rather closed version required for the TE 450.

## ABOUT AKRAPOVIC RACING SYSTEMS

Akrapovic RACING systems sit at the very top of our product range. They are designed to provide increased power and torque at the top of the rpm range.

The header tube and the link pipe for the Akrapovic RACING exhaust system are made of conical elements using high-quality stainless steel. The individual components which comprise the system – muffler, link pipe and header assembly – are connected using free-floating joints held together with high-quality silicon shielded tensioning springs.

The stock exhaust is already reduced to a quite low weight, but through the use of high-quality materials, especially titanium, we have managed to reduce it still further, i.e. by another 0.86 kg. The outer sleeve of the offroad-style muffler is available only in titanium. All metal parts in the interior of the muffler are also of titanium, by which we

obtain the above-mentioned minimum weight while maintaining the quality and durability required for enduro competition.

Conformance to the FIM regulations for noise levels sets this model apart from our other offroad models. In this case the noise limit is 94 dB. The muffler contains a noise damper which can be removed as determined by the type of competition and individual racing regulations.

The muffler is attached to the frame using carbon-fiber clamps. Due to the construction of the frame of the motorcycle, our design uses one double and one single carbon-fiber clamps.

## Measurements of the Akrapovic RACING exhaust system on the Husqvarna TE 450 (with noise damper installed):

- power**  
 the power curve for our exhaust system follows the stock curve nicely while providing increased power from the very bottom to the very top of the range, even into the overrev range. There are no drop-outs visible in the power curve, which indicates the extreme fluidity of the operation of the engine itself. At 9100 rpm the engine delivers 46.3 HP to the rear wheel.
- torque**  
 the torque curve also shows how well the Akrapovic exhaust system complements the Husky engine. The torque curve starts to increase at 5400 rpm, with the max. increased torque at the top of the range at 7000 rpm. The engine gains increased elasticity mainly from the middle of the range up.

**NOTE:**  
 NOTE: the Akrapovic RACING exhaust system for the 2004 HUSQVARNA TE 450 conforms to the FIM ENDURO regulations on exhaust system noise levels and is therefore intended for ENDURO competition.

Technical specifications of Akrapovic exhaust systems and related products subject to change without notice.

	stock	AKRAPOVIC		difference	
		S.S.	titanium	stock - S.S.	stock - titanium
weight comparison	3.96 kg	3.10 kg		0.86 kg	
max. rear wheel power	45.7 HP / 8800 RPM	46.3 HP / 9100 RPM		1.2 HP / 9300 RPM*	
noise measurement	94 db / 4500 RPM	94 db / 4500 RPM		0 db / 4500 RPM	
periodic service possibilities without taking off A.E.S.		oil		oil filter	
		YES		YES	
legal for street use		NO			

\*MAXIMUM MEASURED POWER DIFFERENCE

Off-Road Program



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CARBON-FIBER  
MUFFLER CLAMPS

Off-Road  
Program



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Off-Road  
Program

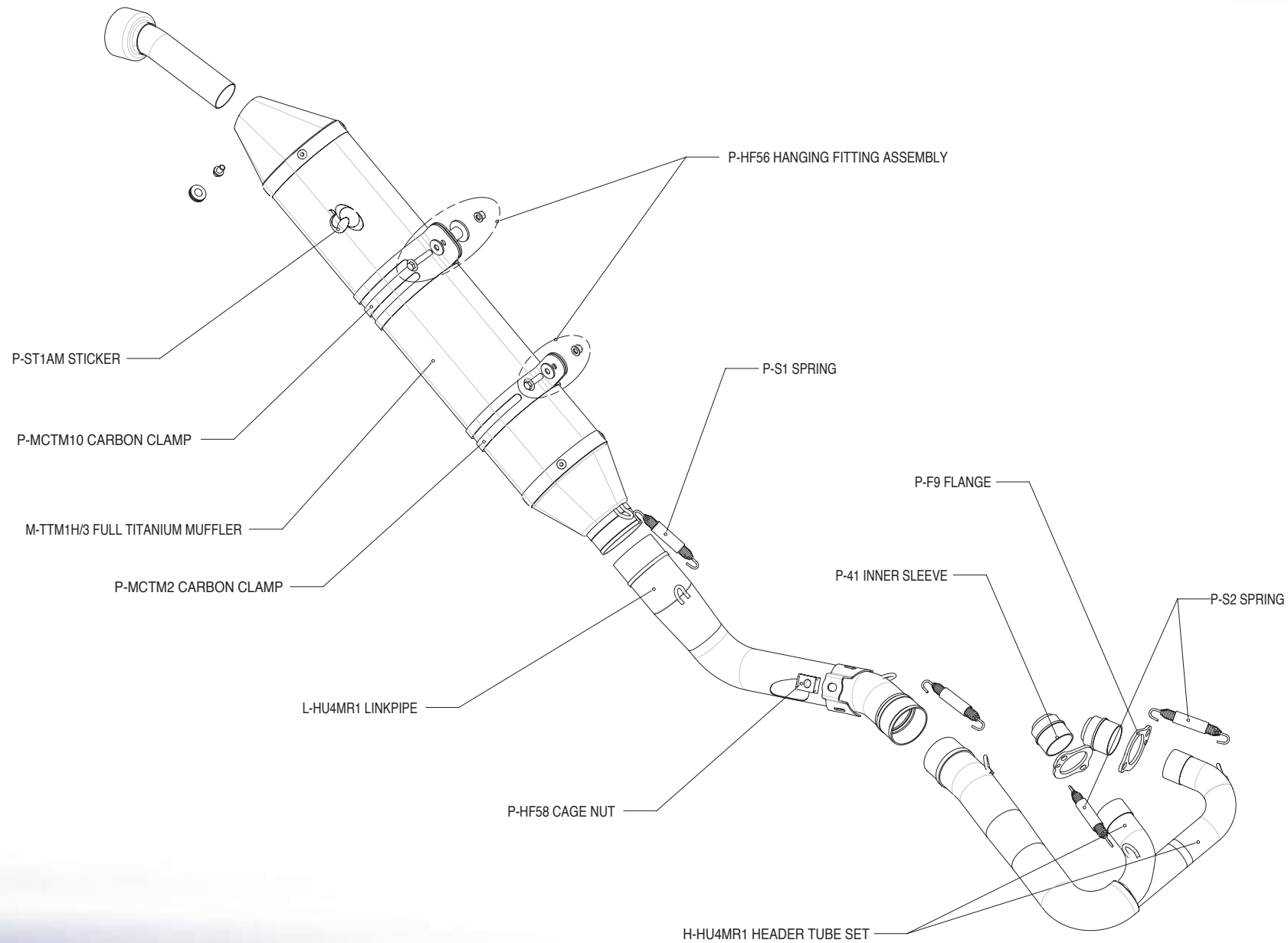
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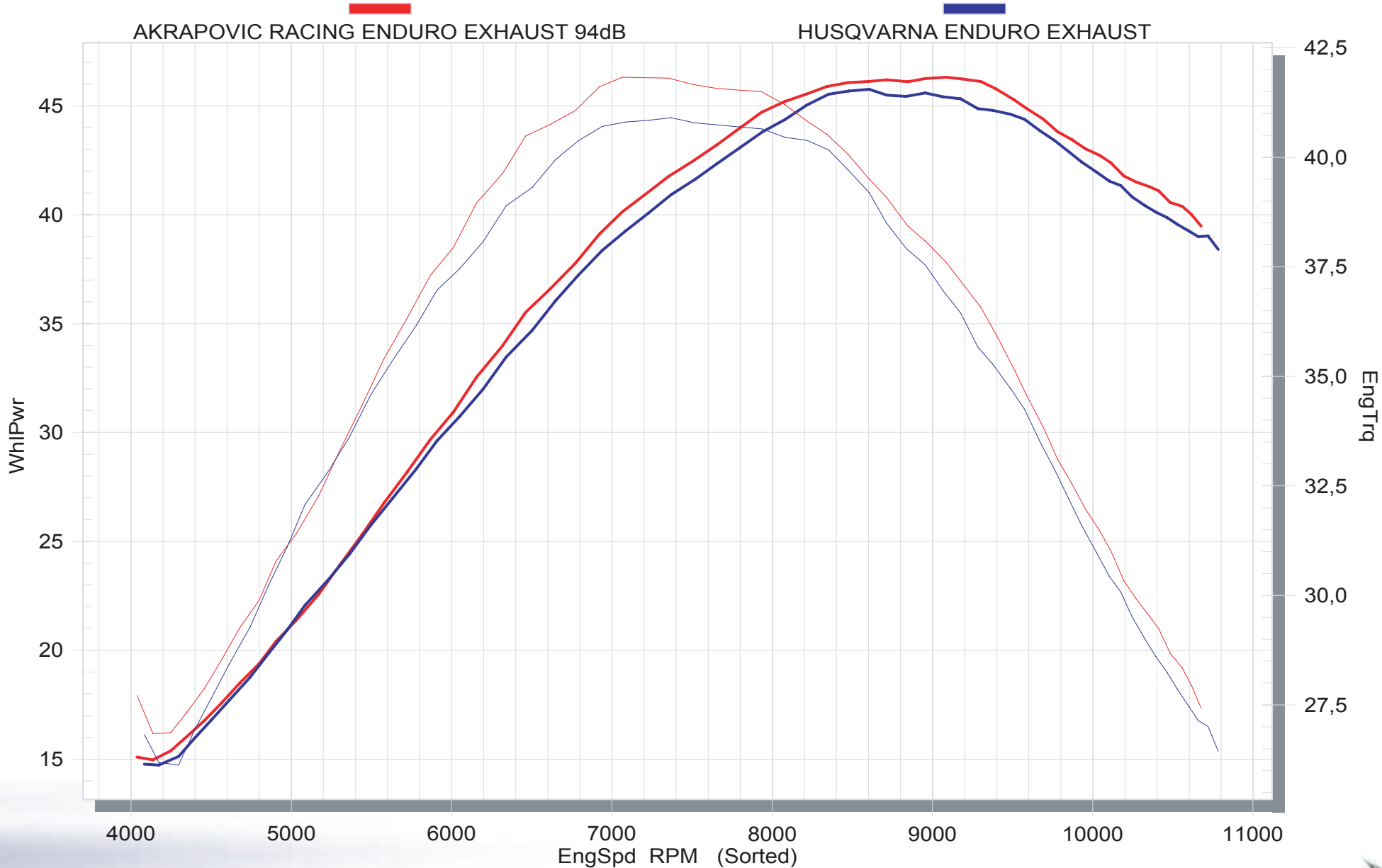
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Off-Road  
Program

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