



Suzuki RM-Z 450 (2005)

Evolution Exhaust System

Akrapovic Evolution Exhaust System

for the Suzuki RM-Z 450 (2005)

The Akrapovic EVOLUTION system is the flagship of the Akrapovic range. It is designed for riders who know how to get maximum performance from their machines and can feel every little difference in the exhaust system and engine characteristics. In other words, riders with MX in their blood. The EVOLUTION system changes the bike's performance characteristics throughout nearly the entire rpm range. The system conforms to FIM regulations on noise levels for MX competition. Akrapovic Evolution system is also available with officially approved spark arrester for the US market.

PERFORMANCE

Measurements of the Akrapovic EVOLUTION system on the SUZUKI RM-Z 450:

Power & Torque: the effect of the system can be seen clearly in both curves. The engine becomes more responsive especially in the middle of the range at around 5000 rpm, where the torque curve also jumps up, and there is also a major increase in the overrev range. The system flattens out the slight sag in the stock power and torque curves.

CONFIGURATION

The Akrapovic EVOLUTION system is composed of a cylindrical titanium header tube, attached to the titanium link pipe with a sleeve joint held together with a metal clamp. The link pipe is welded to the muffler. The muffler is our standard Offroad design made entirely of titanium (inlet and outlet cap, inner perforation and outer sleeve). The muffler is attached to the frame with an Akrapovic carbon-fiber clamp. The stock heat shield or the optional Akrapovic carbon-fiber heat shield can be mounted on the header tube.

OPTIONS

An Akrapovic carbon-fiber heat shield is available as an option.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm (measured on SuperFlow Cycle Dyn)	48.2 / 8350	49 / 8600	2.4 / 9100

	CONFIGURATION		
	header tubes	collector	link pipe
material	TITANIUM	-	TITANIUM
tube shape	CYLINDRICAL	-	CONICAL

interference crossover tubes	-	lambda sensor	-
header tube inner sleeves	STAINLESS STEEL	header tube flanges	TITANIUM LASER CUT
header tubes - collector connection	-	collector / header tube - link pipe connection	SLEEVE JOINT + METAL CLAMP
link pipe - muffler connection	WELDED	muffler inlet cap /outlet cap	TITANIUM / TITANIUM
muffler metal interior	TITANIUM	muffler outer sleeve	TITANIUM
muffler clamp	CARBON-FIBER OFF ROAD	muffler bracket	-
muffler insert	SPARK ARRESTER (US market)	heat shield	-

OPTIONS				
link pipe	muffler insert	muffler outer sleeve	muffler bracket	heat shield
-	-	-	-	CARBON-FIBER

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
weight comparison (kg)	3.35	-	2.22	-	1.13
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	98 / 4500		98 / 4500		
possibility of periodic service without removing A.E.S.	oil		oil filter		
	YES		YES		
legal for street use	-				

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

Product code: 104022 (S-S4MET3-MTT) Evolution
104161 (S-S4MET3-MTTA) Spark Arrester

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CARBON-FIBER
MUFFLER CLAMP

Off-Road
Program

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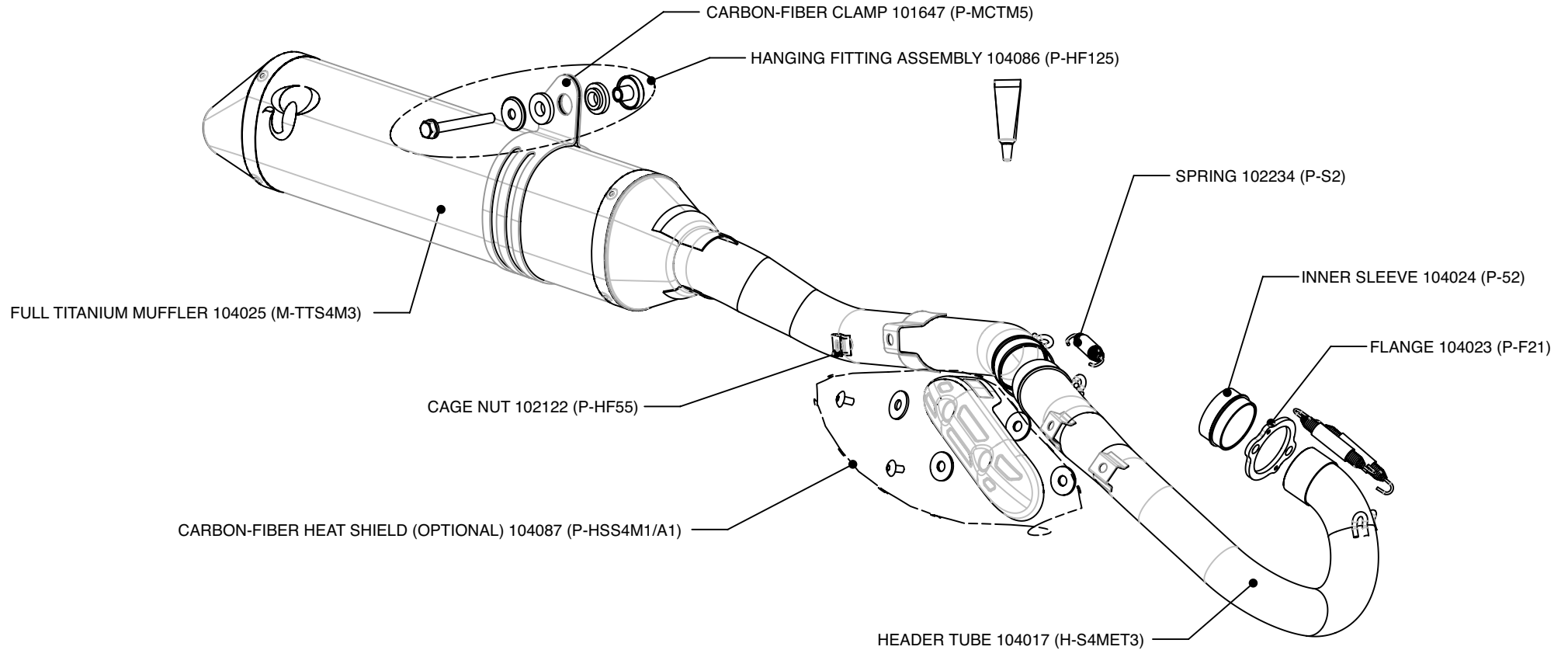
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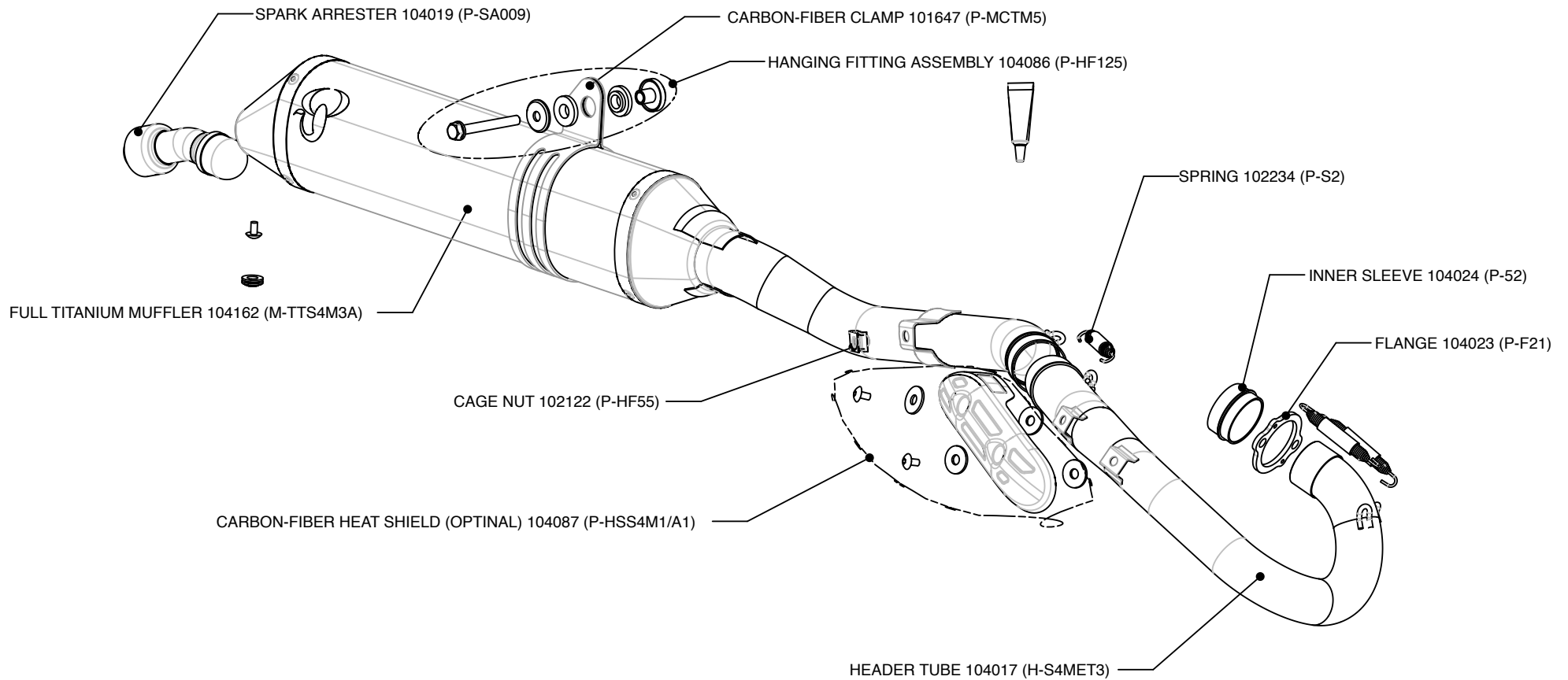
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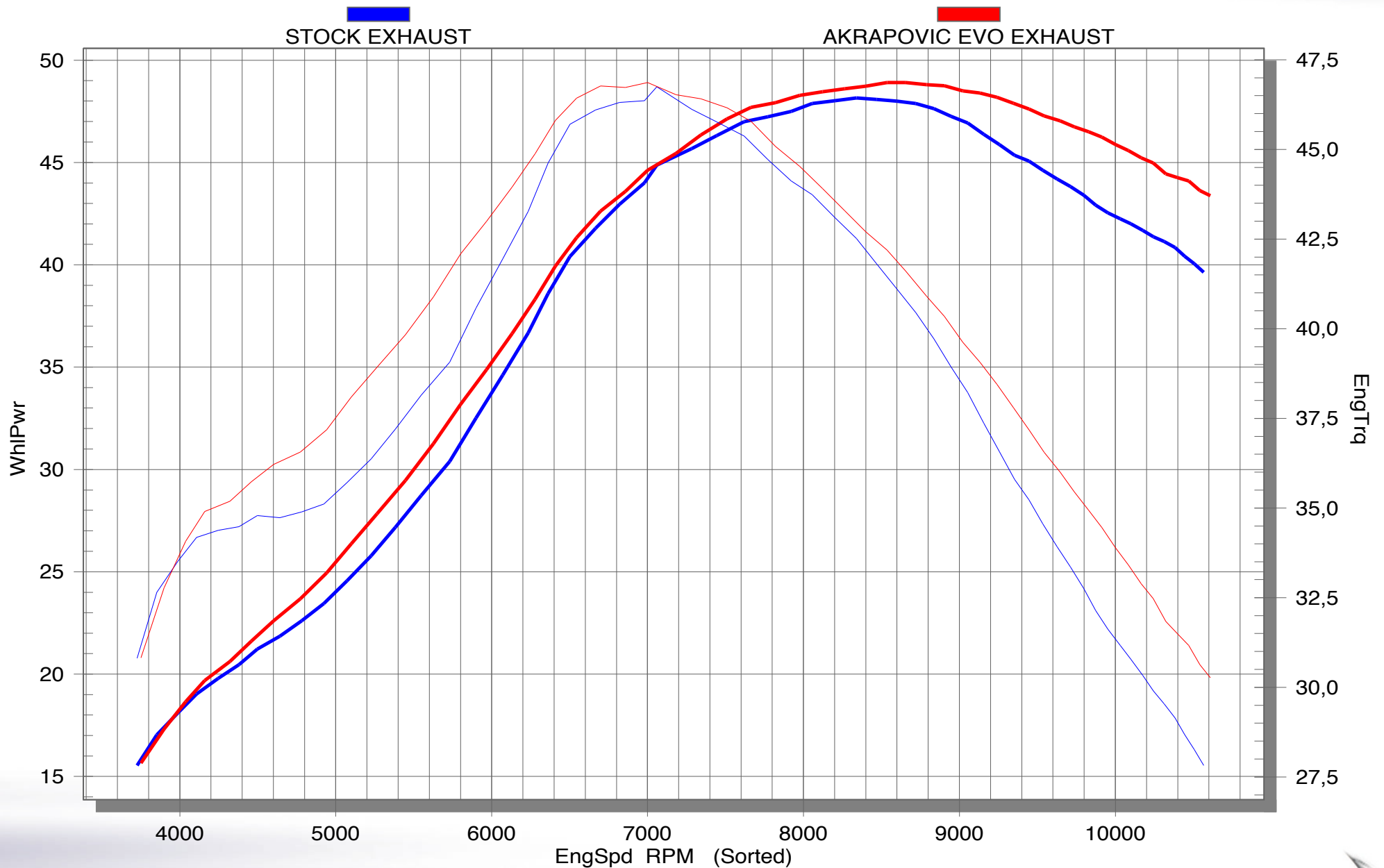
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