



Suzuki LT-R 450 (2006)

Racing & Evolution Exhaust System



# Akrapovic Racing & Evolution Exhaust System

## for the Suzuki LT-R 450 (2006)

## Description

For riders who want to maximize their exhaust system performance we offer the Akrapovic Racing and Evolution systems. Both of our top systems work extremely well with the engine of the Suzuki ATV, providing a huge boost in performance which experienced riders will know how to use. It is designed for two markets: for the European and other markets it comes with a built-in noise damper, and for the American market it comes with an approved spark arrester.

### PERFORMANCE

**Measurements of the Akrapovic EVOLUTION system on the SUZUKI LT-R 450 (without muffler insert):**

**Power & Torque:** the Suzuki engine responds extremely well to the Akrapovic exhaust system, with power and torque increases throughout the entire rpm range. Power is increased mainly in the upper part of the range and at the top end, while the system nicely fills the dropout in the middle of the torque curve. At 9200 rpm we measured a massive 44.7 HP.

### CONFIGURATION

The Akrapovic Racing and Evolution systems differ only in the selection of tubing materials. The Racing uses stainless steel and the Evolution uses titanium. The header tube in both systems is conical, and is attached to the cylindrical link pipe with a sleeve joint, which is secured with a silicon-shielded spring and a metal clamp. The link pipe is welded to the muffler. The inlet cap, perforated inner sleeve and outer sleeve of the HEXAGONAL muffler are made of titanium for the Evolution system, while the Racing has a titanium outer sleeve while the other components are made of stainless steel. The outlet cap for both systems is made of carbon fiber. The muffler is attached to the frame using a metal bracket secured with an Akrapovic titanium clamp. The stock heat shield can be mounted on the header tube. The muffler is designed for two markets: for the European and other markets it comes with a built-in noise damper, and for the American market it comes with an approved spark arrester.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm (measured on Dynojet ATV)	35.9 / 8800	44.7 / 9200	10.2 / 9200

	CONFIGURATION		
	header tubes	collector	link pipe
material	STAINLESS STEEL (Racing) TITANIUM (Evolution)	-	STAINLESS STEEL (Racing) TITANIUM (Evolution)
tube shape	CONICAL	-	CYLINDRICAL
interference crossover tubes	-	lambda sensor	-
header tube inner sleeves	S.S. CNC MACHINED	header tube flanges	S.S. LASER CUT
header tubes - collector connection	-	collector / header tube - link pipe connection	SLEEVE JOINT + SILICON SHIELDED SPRING + METAL CLAMP
link pipe - muffler connection	WELDED	muffler inlet cap /outlet cap	TITANIUM / CARBON-FIBER (Evo) STAINLESS STEEL / CARBON-FIBER (Racing)
muffler metal interior	TITANIUM / STAINLESS STEEL	muffler outer sleeve	TITANIUM
muffler clamp	TITANIUM	muffler bracket	STAINLESS STEEL
muffler insert	EU	NOISE DAMPER	heat shield
	US	SPARK ARRESTER	catalytic converter

	ADDITIONAL DATA				
weight comparison (kg)	stock	AKRAPOVIC		difference	
	5.34	RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
		3.22	2.58	2.12	2.76
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	94 / 4500		97 / 4500		
possibility of periodic service without removing A.E.S.	oil		oil filter		
	YES		YES		
legal for street use	NO				

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

Product code: 106313 (AS-S4R1-WT) EU market, 106312 (AS-S4R1-WTA) US market  
106315 (AS-S4ET1-WT) EU market, 106314 (AS-S4ET1-WTA) US market

# Akrapovic Racing & Evolution Exhaust System

for the Suzuki LT-R 450 (2006)



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ATV  
Series

Product code: 106313 (AS-S4R1-WT) EU market, 106312 (AS-S4R1-WTA) US market  
106315 (AS-S4ET1-WT) EU market, 106314 (AS-S4ET1-WTA) US market



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# Akrapovic Racing & Evolution Exhaust System for the Suzuki LT-R 450 (2006)

Bike Photo



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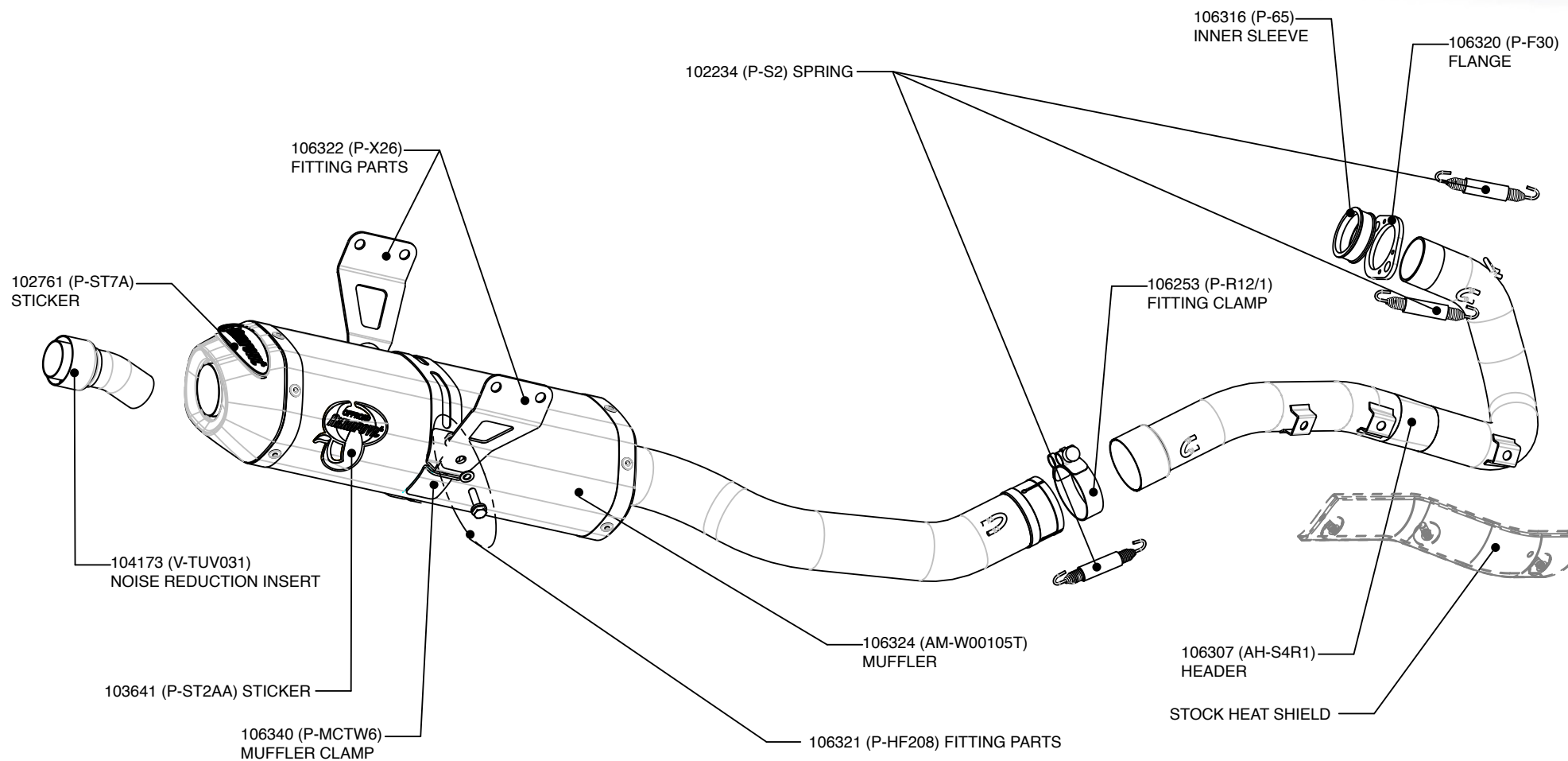
ATV  
Series

Product code: 106313 (AS-S4R1-WT) EU market, 106312 (AS-S4R1-WTA) US market  
106315 (AS-S4ET1-WT) EU market, 106314 (AS-S4ET1-WTA) US market



# Akrapovic Racing Exhaust System for the Suzuki LT-R 450 (2006)

Schematic



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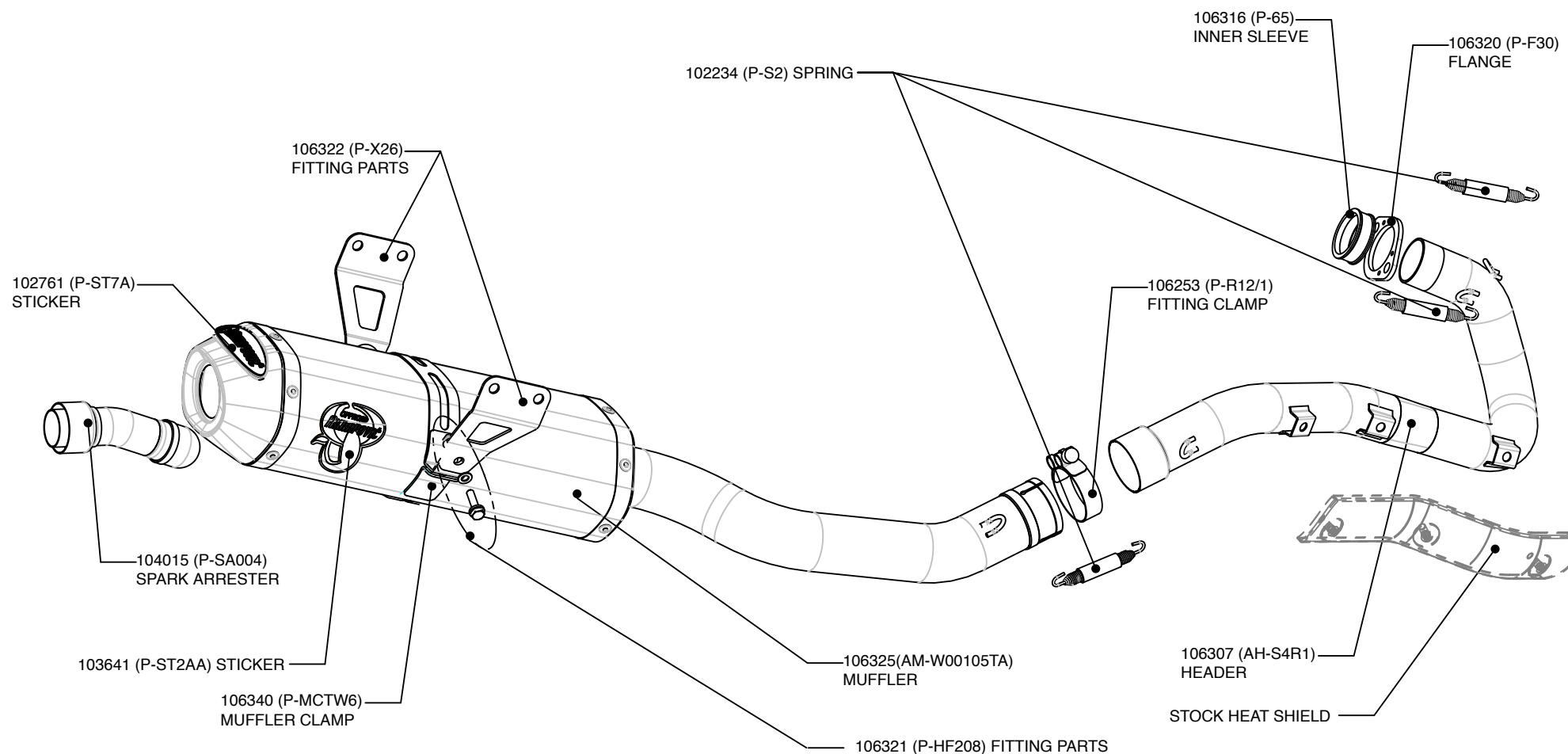
Product code: 106313 (AS-S4R1-WT) EU market



# Akrapovic Evolution Exhaust System

for the Suzuki LT-R 450 (2006)

Schematic



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ATV  
Series

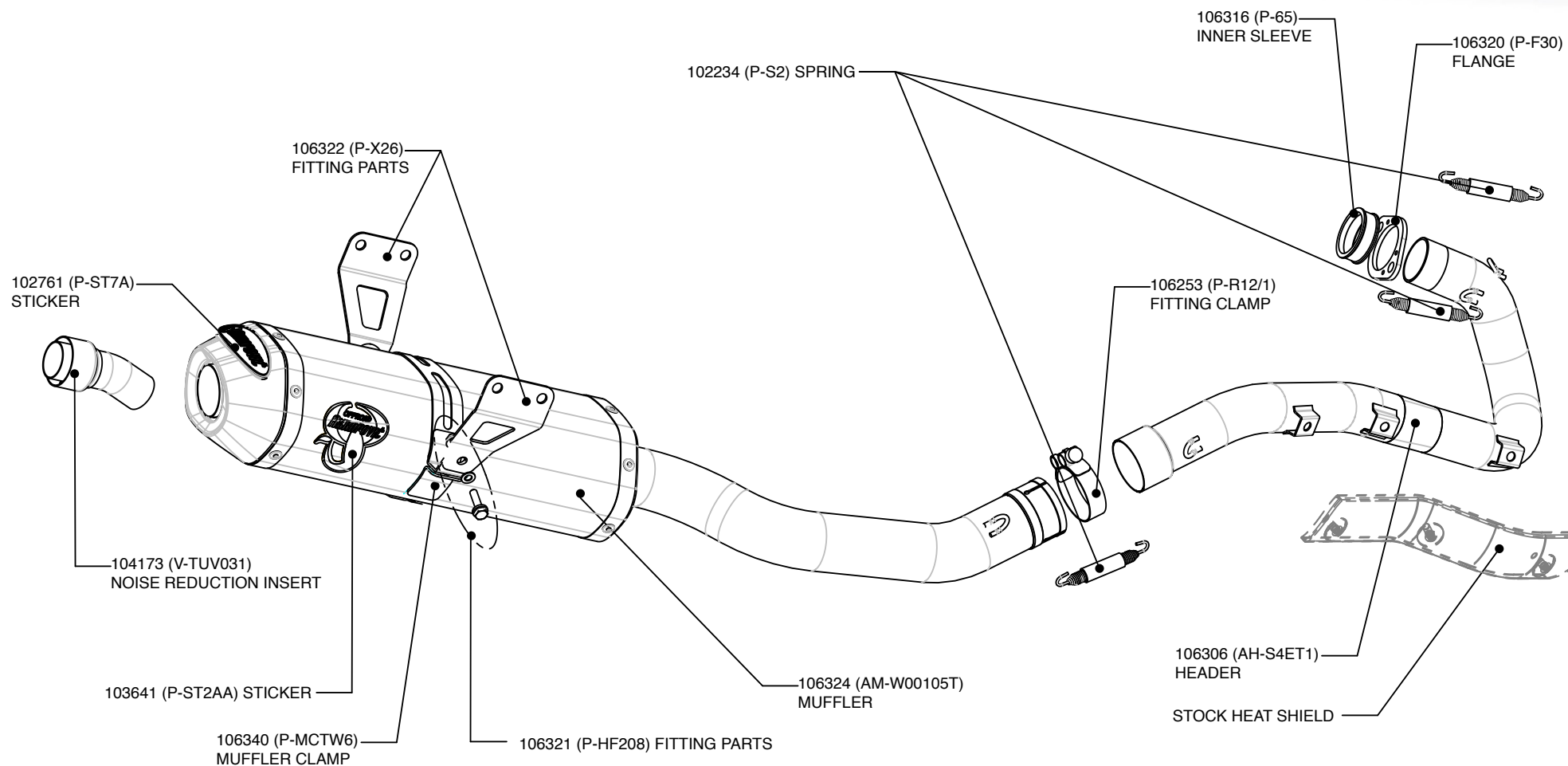
Product code: 106312 (AS-S4R1-WTA) US market





# Akrapovic Evolution Exhaust System for the Suzuki LT-R 450 (2006)

Schematic



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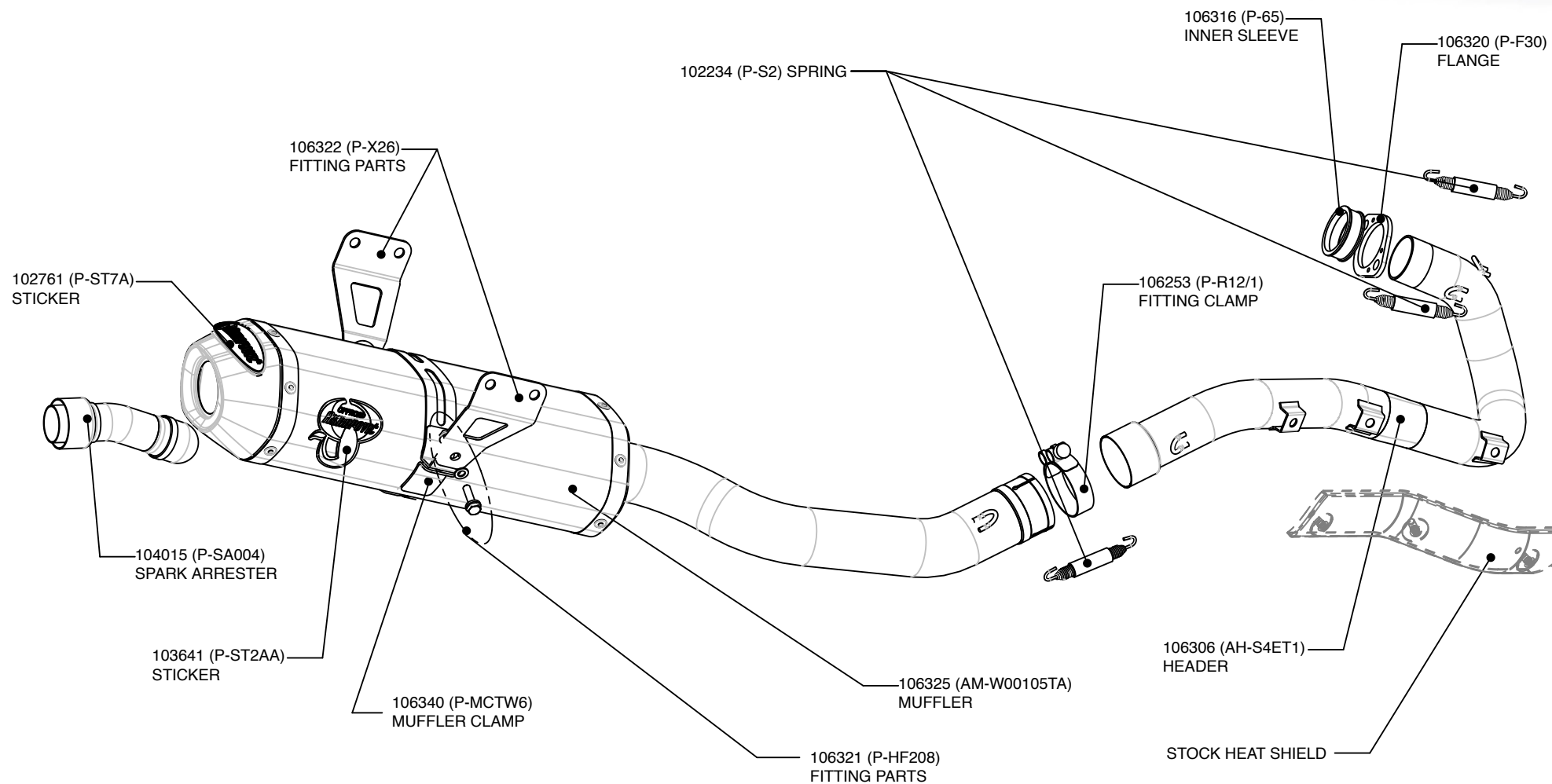
Product code: 106315 (AS-S4ET1-WT) EU market





# Akrapovic Evolution Exhaust System for the Suzuki LT-R 450 (2006)

Schematic



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Product code: 106314 (AS-S4ET1-WTA) US market

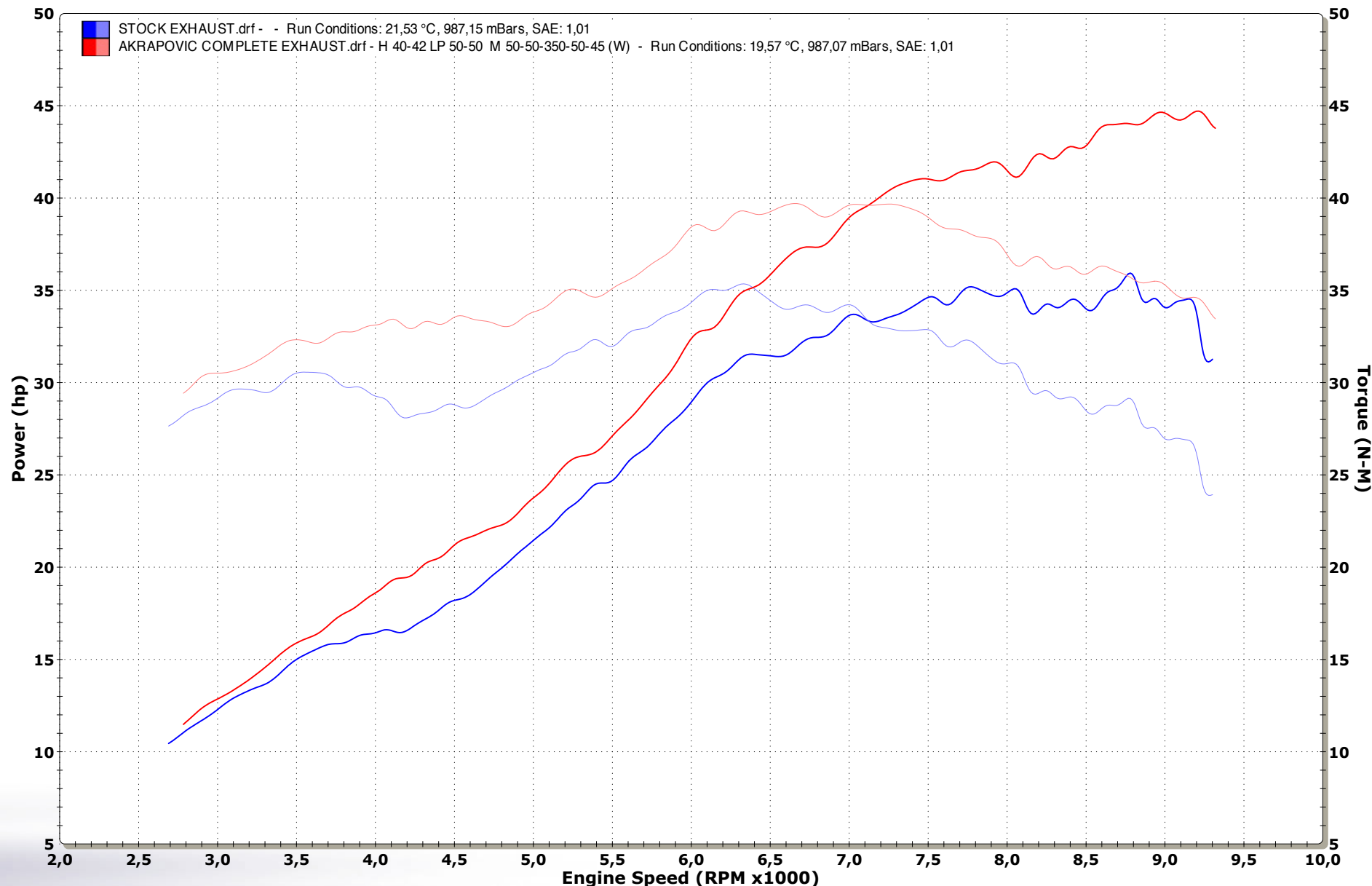


# Akrapovic Racing & Evolution Exhaust System

for the Suzuki LT-R 450 (2006)

Diagram / Chart

## AKRAPOVIC EXHAUST SYSTEM TECHNOLOGY



Product code: 106313 (AS-S4R1-WT) EU market, 106312 (AS-S4R1-WTA) US market  
106315 (AS-S4ET1-WT) EU market, 106314 (AS-S4ET1-WTA) US market