



Yamaha Raptor 700 R (2006)

Racing & Evolution Exhaust System

Akrapovic Racing & Evolution Exhaust System

for the Yamaha Raptor 700 R (2006)

For the awesome Raptor we have developed Akrapovic RACING and EVOLUTION complete exhaust systems which differ only in the tube materials. Both systems are designed for riders who expect a top-flight exhaust system in terms of both production quality and performance, and who know how to get the most out of it in offroad conditions. The Akrapovic RACING and EVOLUTION systems are designed for two markets: for the European and other markets they come with a built-in noise damper, and for the American market with an approved spark arrester.

PERFORMANCE

Measurements of the Akrapovic EVOLUTION system on the YAMAHA RAPTOR 700 R (without spark arrester & noise damper):

Power & Torque: the Akrapovic EVOLUTION system has a major impact on the power and torque output of the Raptor. The increase can be seen across the entire rpm range. Interestingly, the maximum increased power is higher with the spark arrester than in the open version.

CONFIGURATION

The Akrapovic Racing and Evolution systems are composed of cylindrical stainless steel header tubes, while the cylindrical collector and link pipe are made of different materials (Racing: stainless steel, Evolution: titanium). The header tube, collector and link pipe are connected with sleeve joints secured with silicon-shielded springs. The link pipe is welded to the muffler in both systems. The inlet cap and inner perforation depend on the material of the link pipe (Evolution: titanium link pipe / titanium inlet cap and inner perforation, Racing: S.S. link pipe / S.S. inlet cap and inner perforation). In both the Racing and Evolution systems the outlet cap is made of titanium. The muffler is attached to the ATV with two Akrapovic road carbon-fiber clamps. The systems also include two Akrapovic carbon-fiber heat shields. The systems come with a built-in noise damper for the European and other markets, and an approved spark arrester for the American market, which is marked with a laser engraving.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm (measured on Dynojet ATV)	44.60 / 6250	45.20 / 6260 (without noise damper & spark arrester) 46.10 / 6200 (spark arrester)	4.30 / 4600 (without noise damper & spark arrester) 2.40 / 4600 (spark arrester)

	CONFIGURATION		
	header tubes	collector	link pipe
material	STAINLESS STEEL (Racing & Evolution)	STAINLESS STEEL (Racing) TITANIUM (Evolution)	STAINLESS STEEL (Racing) TITANIUM (Evolution)
tube shape	CYLINDRICAL	CYLINDRICAL	CYLINDRICAL

interference crossover tubes	-	lambda sensor	-	
header tube inner sleeves	S.S. CNC MACHINED	header tube flanges	ALU CNC MACHINED	
header tubes - collector connection	SLEEVE JOINT + SILICON SHILDED SPRING	collector / header tube - link pipe connection	SLEEVE JOINT + SILICON SHILDED SPRING	
link pipe - muffler connection	WELDED	muffler inlet cap /outlet cap	STAINLESS STEEL (Racing) TITANIUM (Evolution)/ TITANIUM	
muffler metal interior	STAINLESS STEEL (Racing) TITANIUM (Evolution)	muffler outer sleeve	TITANIUM	
muffler clamp	2 x CARBON-FIBER ROAD	muffler bracket	-	
muffler insert	EU	NOISE DAMPER	heat shield	2 x CARBON-FIBER
	US	SPARK ARRESTER	catalytic converter	-

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
weight comparison (kg)	5.85	3.37	2.86	2.48	2.99
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	91.8 / 3150		101.2 / 3150 (without noise damper & spark arrester) 96.5 / 3150 (spark arrester)		
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: 104762 (AS-Y7R1-DT), 104760 (AS-Y7E1T-DTT) EU market
104763 (AS-Y7R1-DTA), 104761 (AS-Y7E1T-DTTA) US market

Akrapovic Racing & Evolution Exhaust System for the Yamaha Raptor 700 R (2006)



CARBON-FIBER
MUFFLER CLAMPS



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ATV
Series

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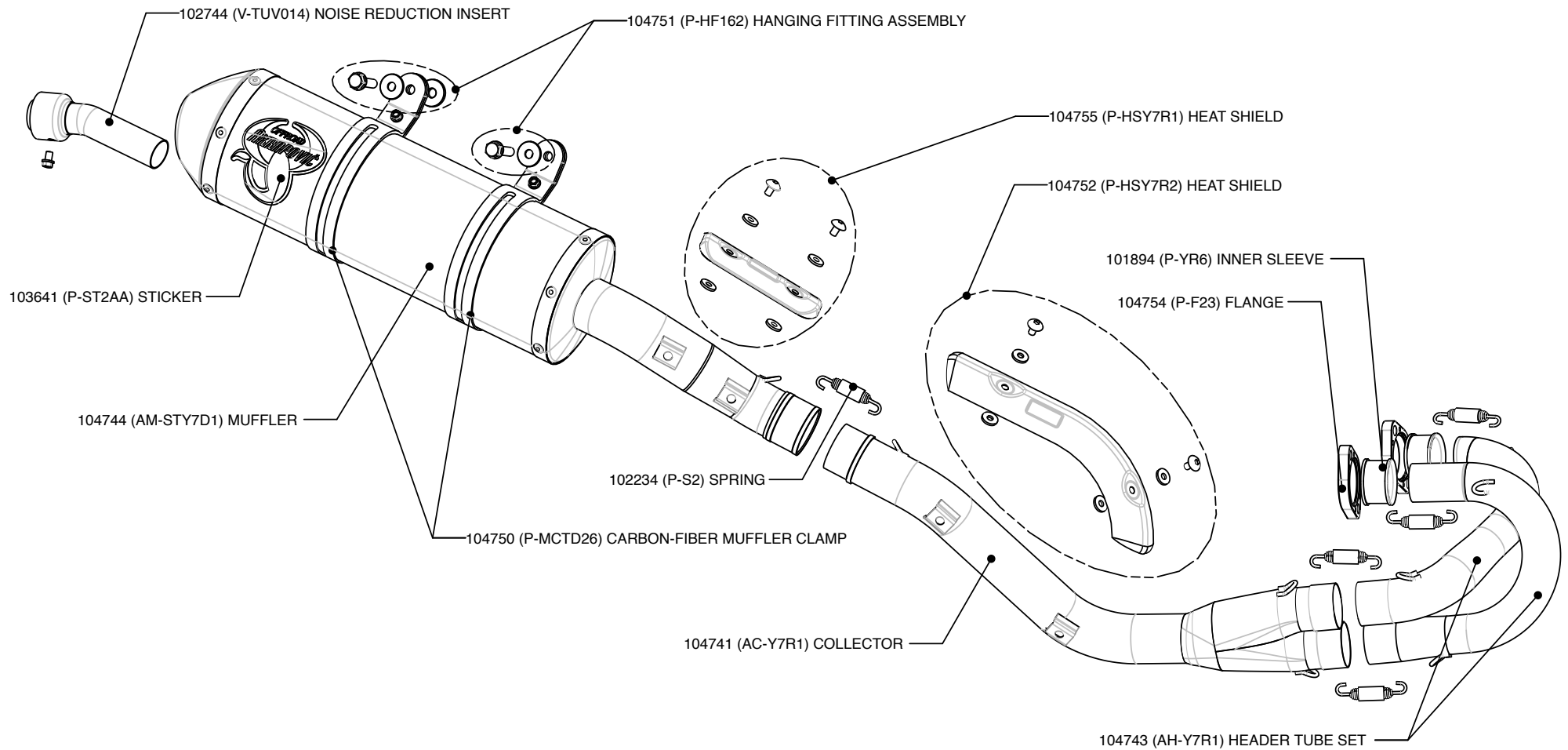
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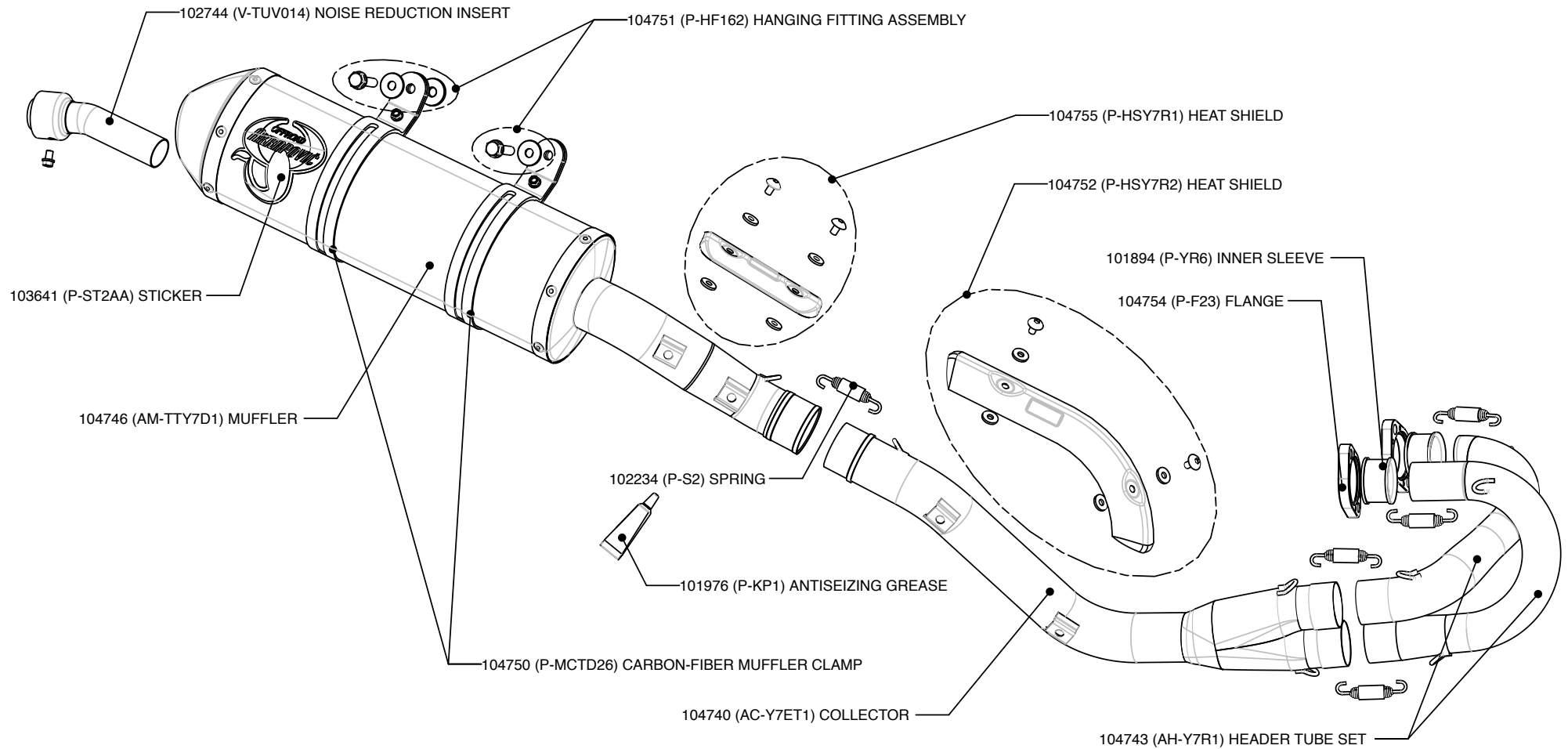
ATV
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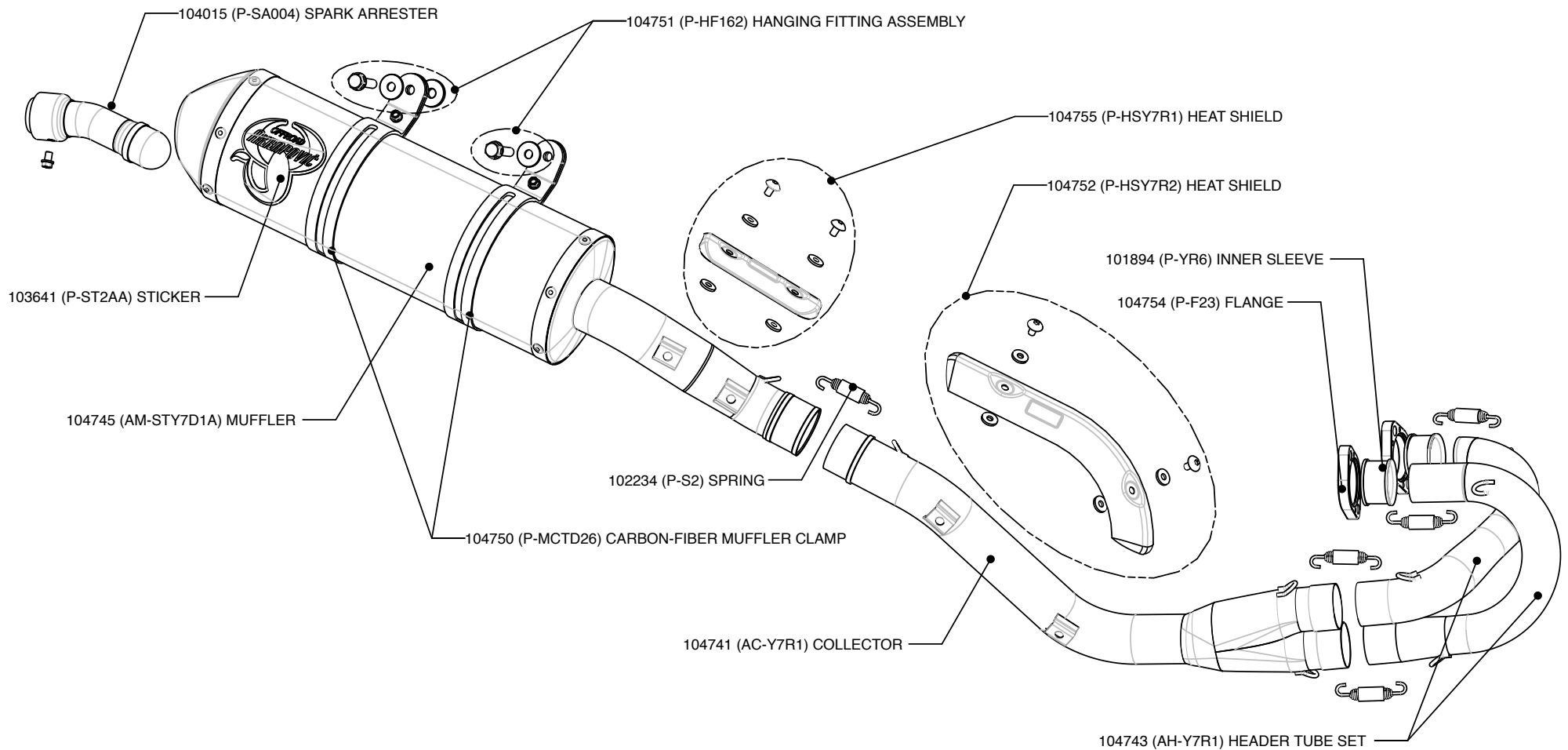
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ATV Series

Product code: 104760 (AS-Y7E1T-DTT) EU market



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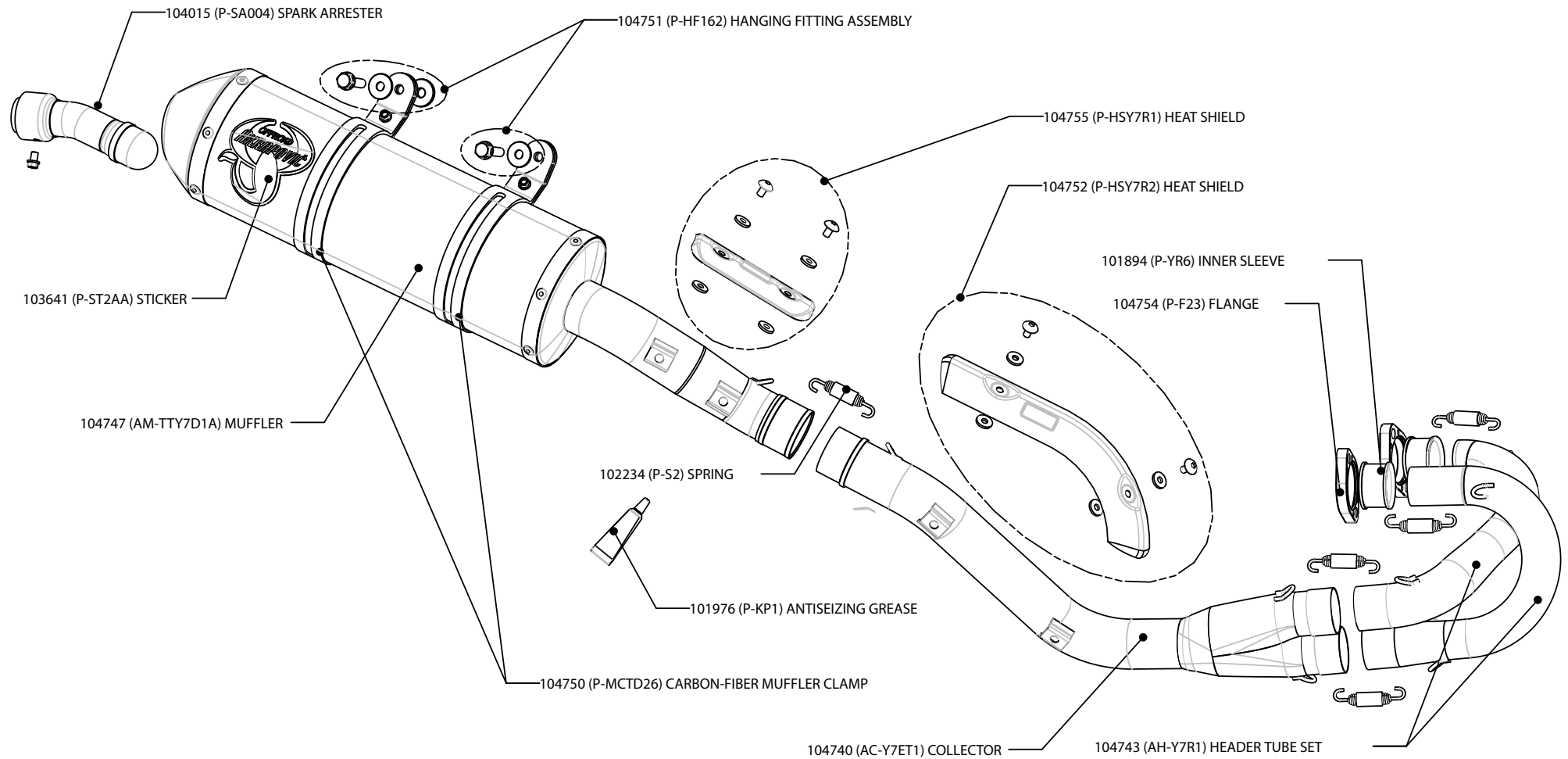
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ATV
Series

Product code: 104763 (AS-Y7R1-DTA) US market



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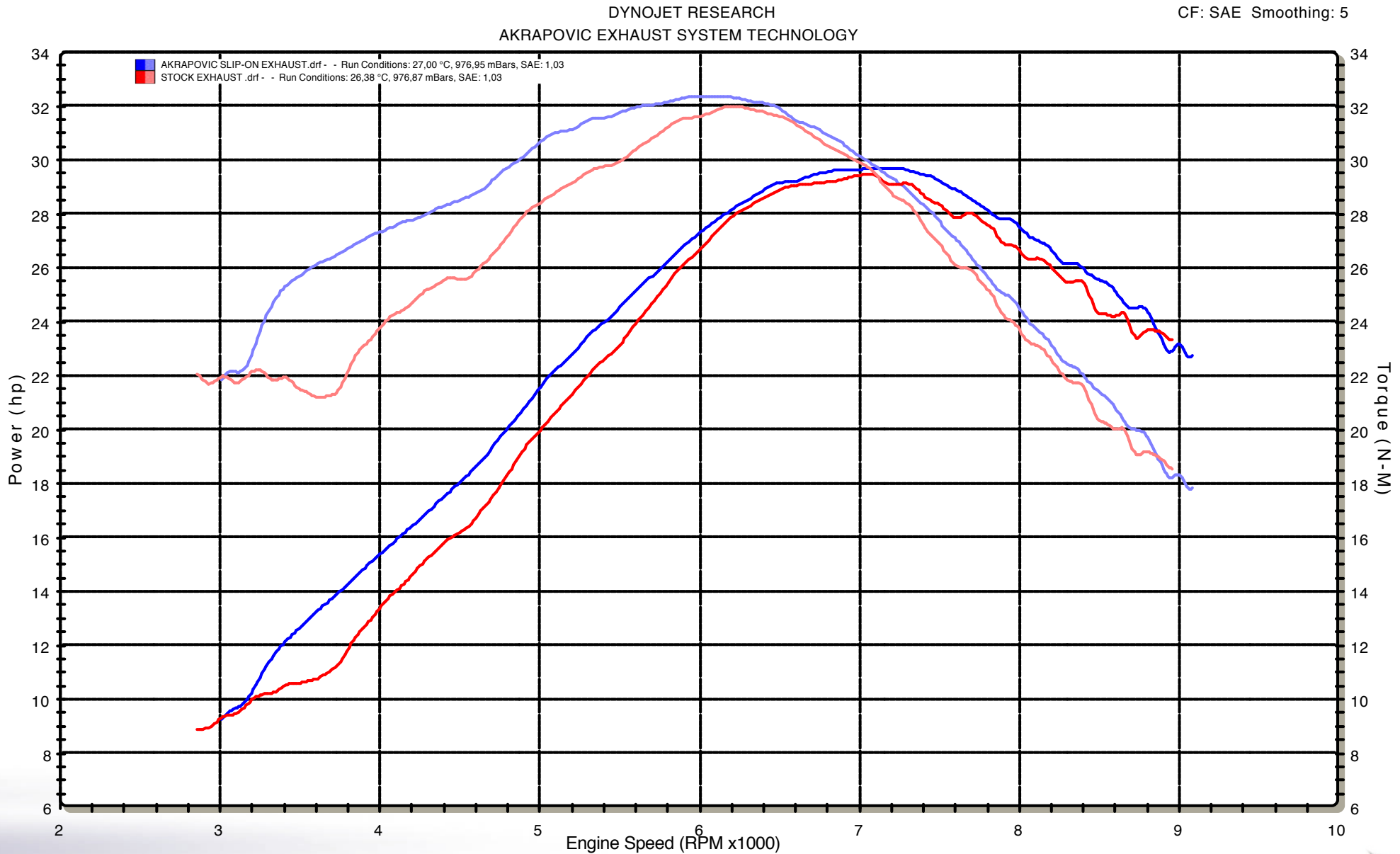
ATV Series

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