



Honda CRF 450 R (2007)

Racing & Evolution Exhaust System

# Akrapovic Racing & Evolution Exhaust System

for the Honda CRF 450R (2007)

The Akrapovic Racing and Evolution complete exhaust systems are the flagships of our product lines. They are designed for competition-oriented MX riders who demand maximum performance from their exhaust systems. With their production quality, engine performance improvements and modern Hexagonal muffler design they satisfy the requirements of all riders. The systems are designed for two markets; in the US they are available with an approved spark arrester, and for the EU and other non-US markets they come with a noise damper.

## PERFORMANCE

**Measurements of the Akrapovic EVOLUTION system on the HONDA CRF 450 R (without muffler insert):**

**Power & Torque:** The Akrapovic Evolution and Racing systems deliver a performance increase throughout nearly the entire rpm range. It is most pronounced in the middle and the top of the range. The systems deliver increased torque similar to the power increase. Max. increased power of 3.7 HP was measured at 10200 rpm, while max. power of 50.2 HP was recorded at 8650 rpm.

## CONFIGURATION

The Akrapovic Racing and Evolution systems differ only in their selection of materials. Stainless steel is used for the Racing, while the Evolution features titanium. The systems are composed of a conical header tube which is connected to the conical link pipe with a sleeve joint. The sleeve joint is secured with a silicon-shielded spring. The link pipe is welded to the muffler. The muffler is the striking HEXAGONAL design, where for the Racing inlet the cap and inner perforation are made of stainless steel, while for the Evolution these parts are made of titanium. The outlet cap for both versions is made of carbon fiber, and the outer sleeve for both versions is made of titanium. In the US the system is available with an approved spark arrester, and for the EU and other non-US markets it comes with a standard noise damper. The muffler is attached to the frame using an Akrapovic carbon-fiber clamp. An Akrapovic carbon-fiber heat shield is installed on the header tube.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm (measured on SuperFlow Cycle Dyn)	49.2 / 8500	50.2 / 8650	3.7 / 10200

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

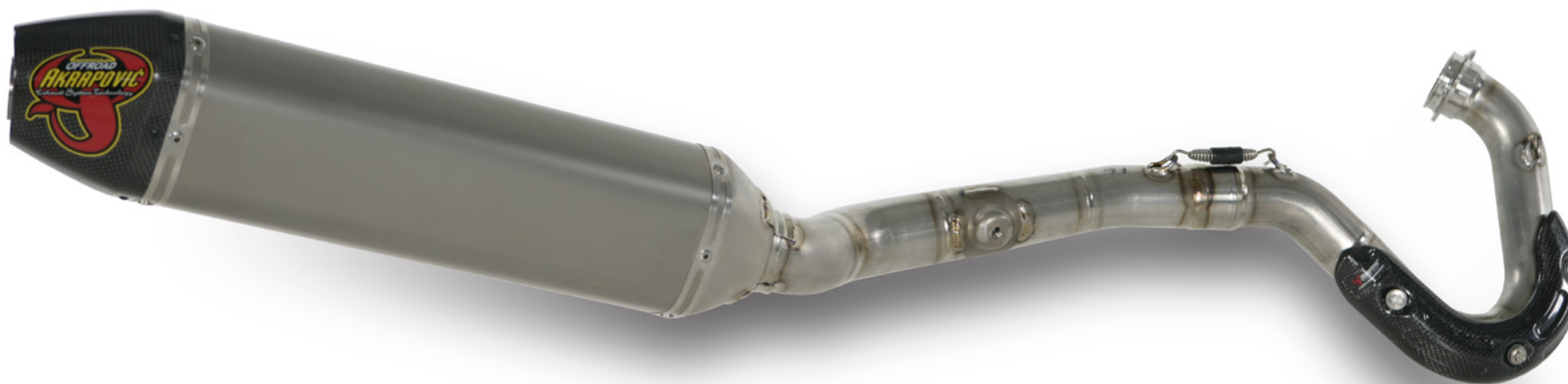
interference crossover tubes	-	lambda sensor	-	
header tube inner sleeves	S.S. CNC MACHINED	header tube flanges	S.S. LASER CUT	
header tubes - collector connection	-	collector / header tube - link pipe connection	SLEEVE JOINT + SILICON SHIELDED SPRING	
link pipe - muffler connection	WELDED	muffler inlet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

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
weight comparison (kg)	3.22	2.79	2.38	0.43	0.48
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	96 / 4500		96 / 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: 106679 (S-H4MR8-QT), 106681 (S-H4MET8-QT) EU market  
106680 (S-H4MR8-QTA), 106682 (S-H4MET8-QTA) US market

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Road  
Program



CARBON-FIBER  
MUFFLER CLAMP

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Road  
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# Akrapovic Racing & Evolution Exhaust System for the Honda CRF 450R (2007)



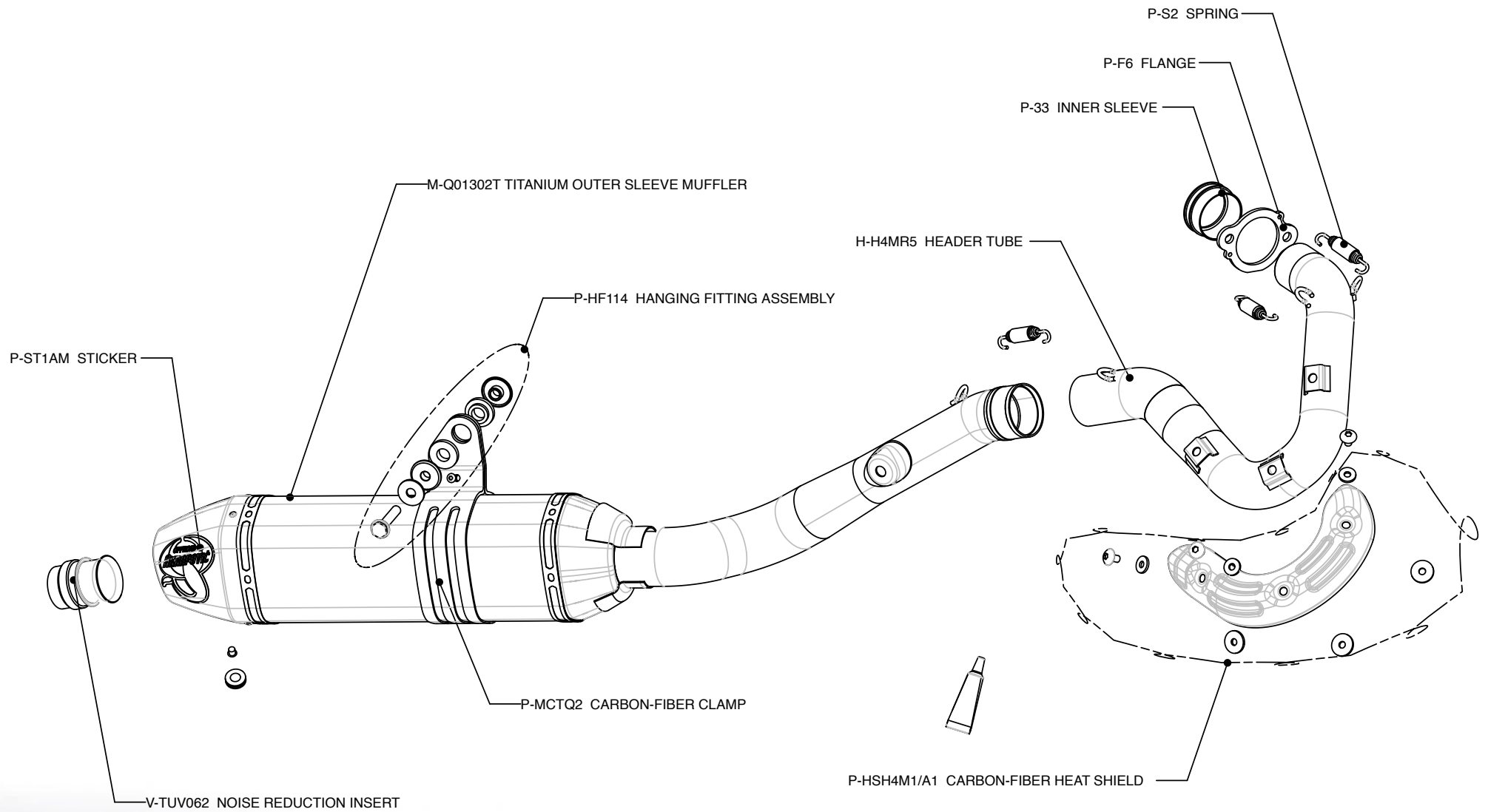
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Road Program

Product code: 106679 (S-H4MR8-QT), 106681 (S-H4MET8-QT) EU market  
106680 (S-H4MR8-QTA), 106682 (S-H4MET8-QTA) US market



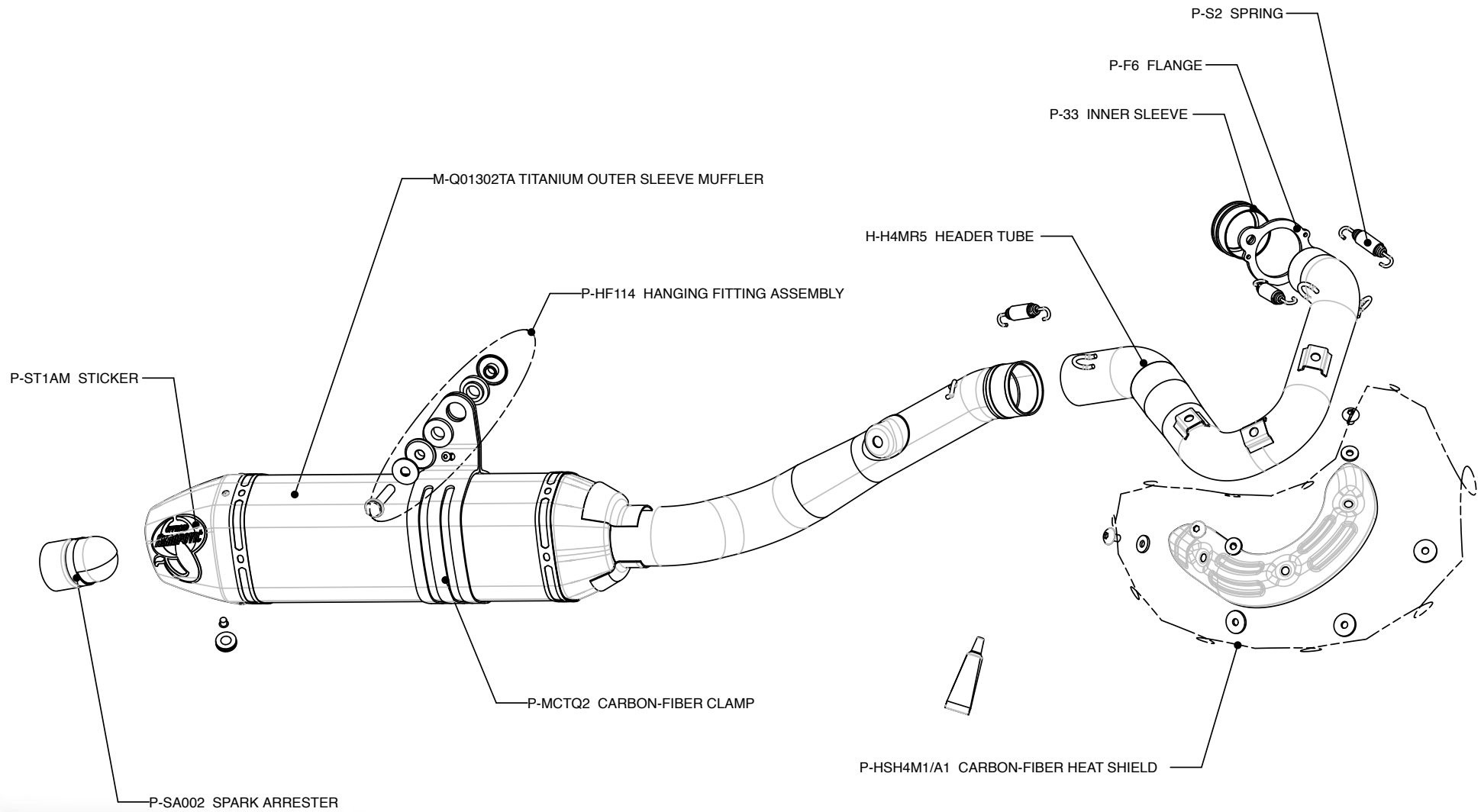
# Akrapovic Racing Exhaust System for the Honda CRF 450R (2007)



Road  
Program

Product code: 106679 (S-H4MR8-QT) EU market

# Akrapovic Racing Exhaust System for the Honda CRF 450R (2007)

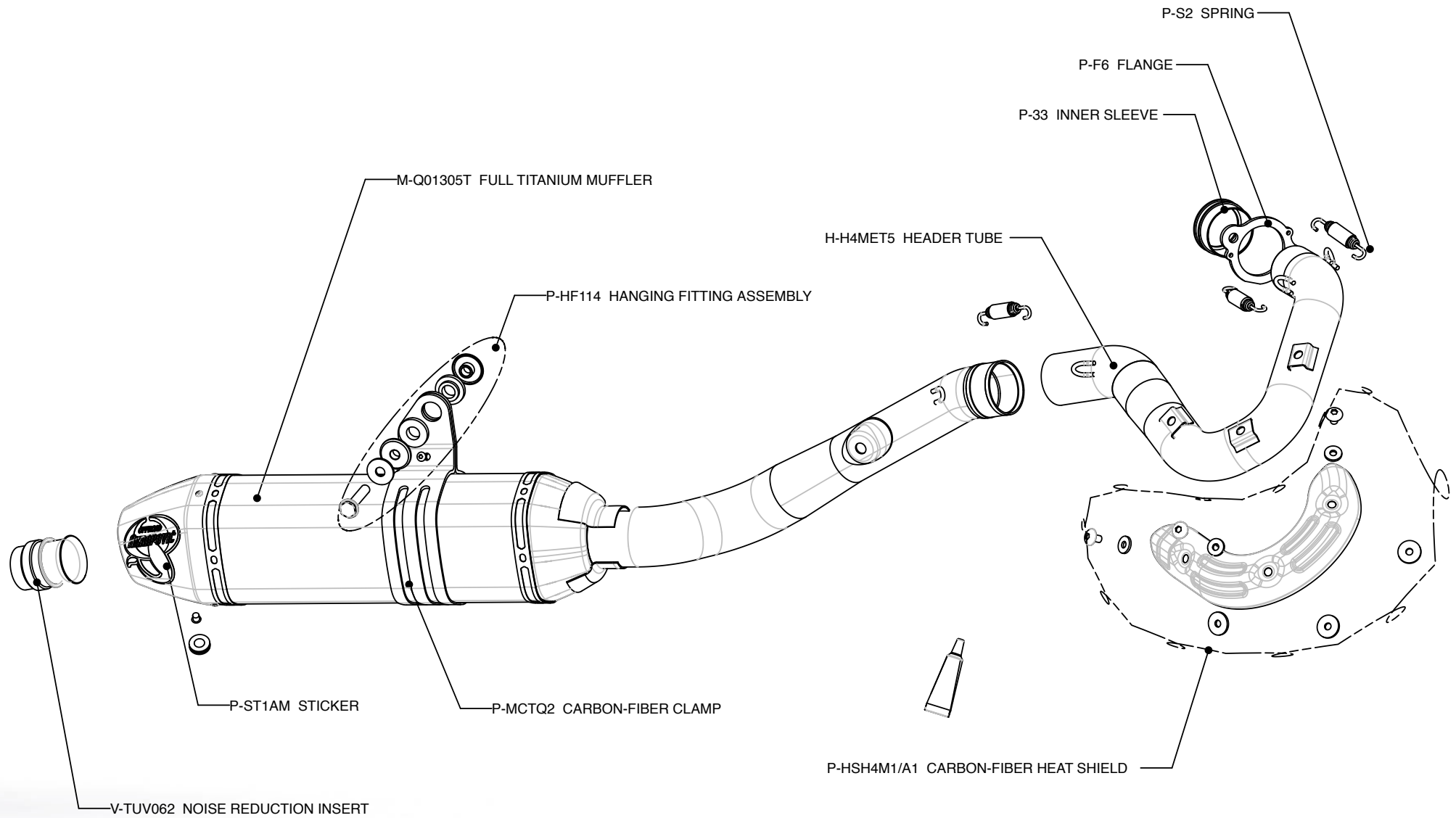


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Road Program

Product code: 106681 (S-H4MET8-QT) EU market

# Akrapovic Evolution Exhaust System for the Honda CRF 450R (2007)



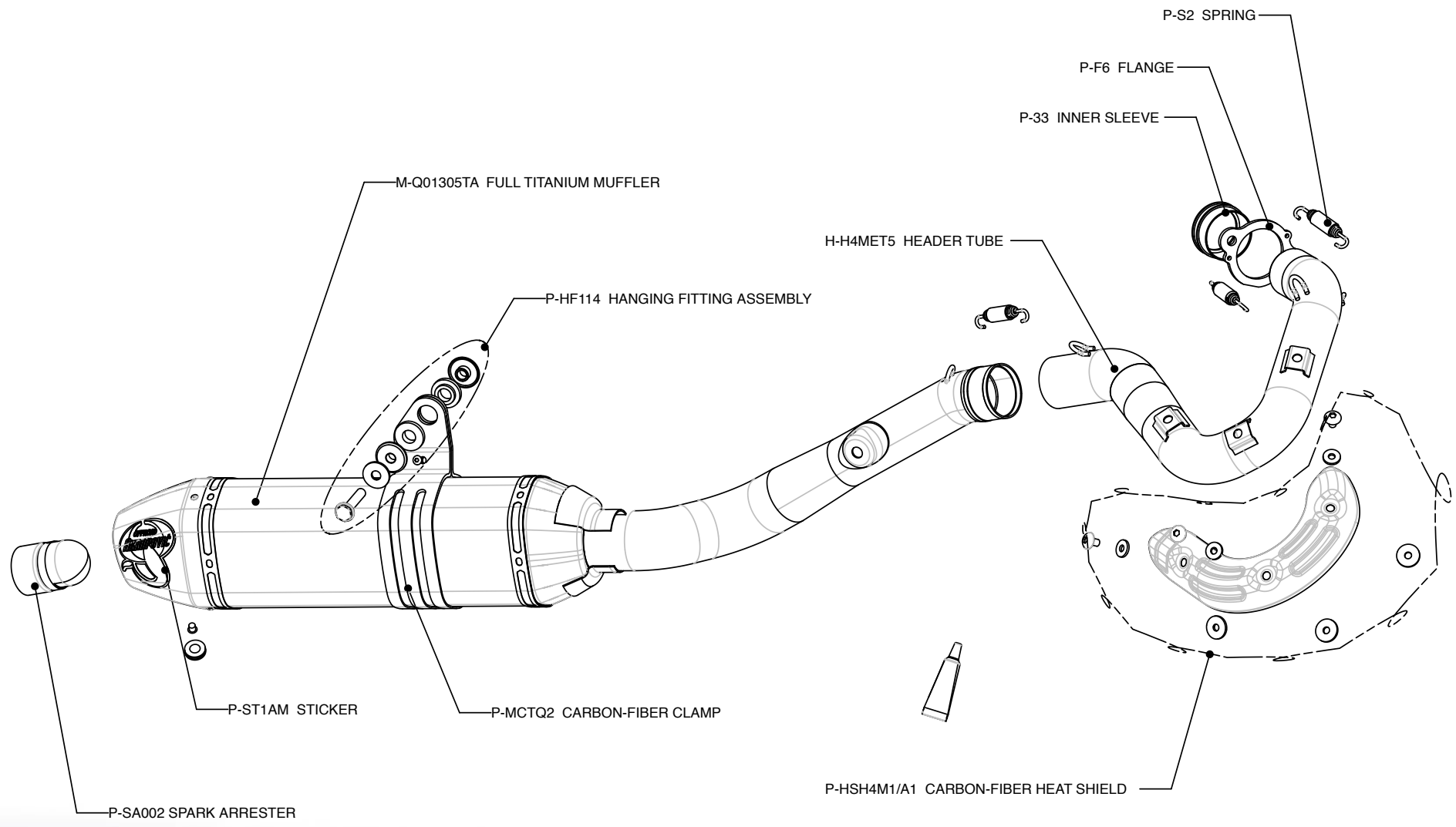
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Road Program

Product code: 106680 (S-H4MR8-QTA) US market



# Akrapovic Evolution Exhaust System for the Honda CRF 450R (2007)



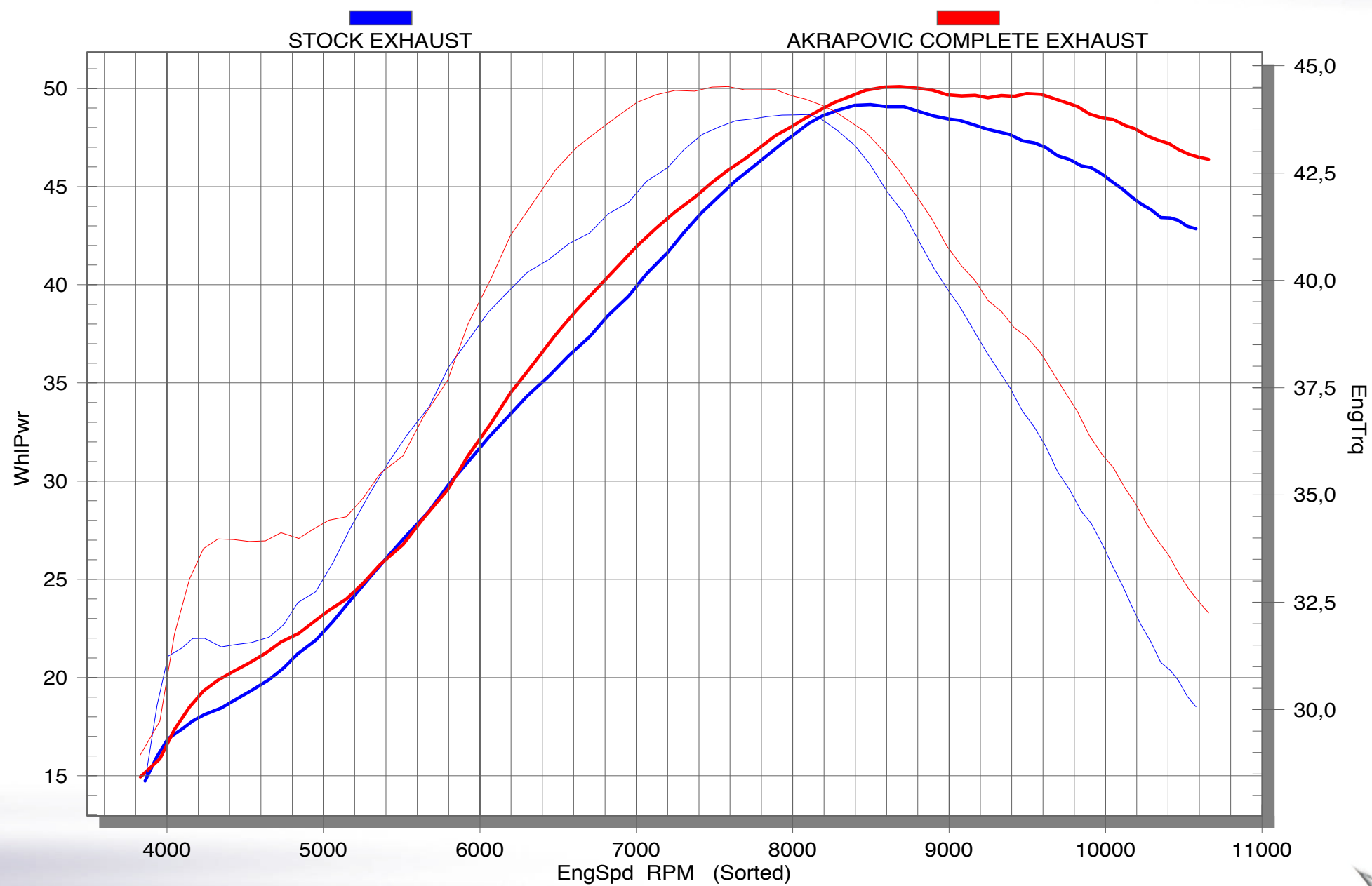
Road Program

Product code: 106682 (S-H4MET8-QTA) US market



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# Akrapovic Racing & Evolution Exhaust System for the Honda CRF 450R (2007)



Road Program

Product code: 106679 (S-H4MR8-QT), 106681 (S-H4MET8-QT) EU market  
106680 (S-H4MR8-QTA), 106682 (S-H4MET8-QTA) US market



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