



**HONDA CRF 250R**

**(2008)**

**RACING & EVOLUTION EXHAUST SYSTEM**

[www.akrapovic.net](http://www.akrapovic.net)

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. New for 2008 is additional chamber that helps to reduce noise emission and provides better power and torque at low rpm range.

**PERFORMANCE**

**Measurements of the Akrapovic EVOLUTION system on the HONDA CRF 250 R (with 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 bottom and the top of the range. The systems deliver increased torque similar to the power increase. Max. increased power of 2.7 HP was measured at 12250 rpm, while max. power of 36.6 HP was measured at 12270 rpm.

**CONFIGURATION**

The Akrapovic Evolution system uses titanium tubing and the Akrapovic Racing uses stainless steel tubing. The tubes for the header assembly are flared to provide improved exhaust gas flow, while the link pipe is conical. The systems' individual components - header tube and link pipe - are attached using a sleeve joint held together with a silicon-shielded spring. The link pipe is welded to the muffler.

This system, unlike the stock system, has just a single muffler. It features a HEXAGONAL design muffler, which goes exceptionally well with the design of the Honda. The muffler have in case of Evolution titanium inlet cap and perforated inner sleeve, in case of Racing stainless steel inlet cap and perforated inner sleeve. The outlet cap is made of carbon-fiber for evolution and composite polymer for Racing system.. The outer sleeve is made of titanium for the Racing version. For the Evolution both options of the outer sleeve are available - carbon-fiber and titanium. The muffler is attached to the frame using an Akrapovic offroad carbon-fiber clamp. Evolution system also includes a carbon-fiber heat shield.

The muffler has a noise damper for the EU and other non-American markets, and a mandatory spark arrester for the American market.

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

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm <small>(measured on Dynojet ATV)</small>	34.3 \ 10900	36.6 \ 12270	2.7 \ 12250

	CONFIGURATION		
	header tubes	collector	link pipe
material	TITANIUM / STAINLESS STEEL/	-	TITANIUM / STAINLESS STEEL/
tube shape	CONICAL	-	CONICAL

interference crossover tubes	NO (CHAMBER)		lambda sensor	NO
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	Ti D composite polymer \ S.S. - Carb
muffler metal interior	TITANIUM / STAINLESS STEEL		muffler outer sleeve	TITANIUM or CARBON \ TITANIUM
muffler clamp	CARBON-FIBER OFF ROAD		muffler bracket	-
muffler insert	EU	YES	heat shield	Carbon-fiber
	US	YES (SPARK ARRESTER)	catalytic converter	NO

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		racing	evolution	stock - racing	stock - evolution
weight comparison (kg)	4.13	2.78	2.2	1.35	1.93
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	94 / 5000		94 / 5000		
possibility of periodic service without removing A.E.S.	oil		oil filter		
	YES		YES		
legal for street use	NO				

- Product code: (108615) S-H2MR5-QT racing  
 (108616) S-H2MR5-QTA racing spark arrester  
 (108617) S-H2MET5-QT, (108618) S-H2MET5-QC evolution  
 (108619) S-H2MET5-QTA evolution spark arrester



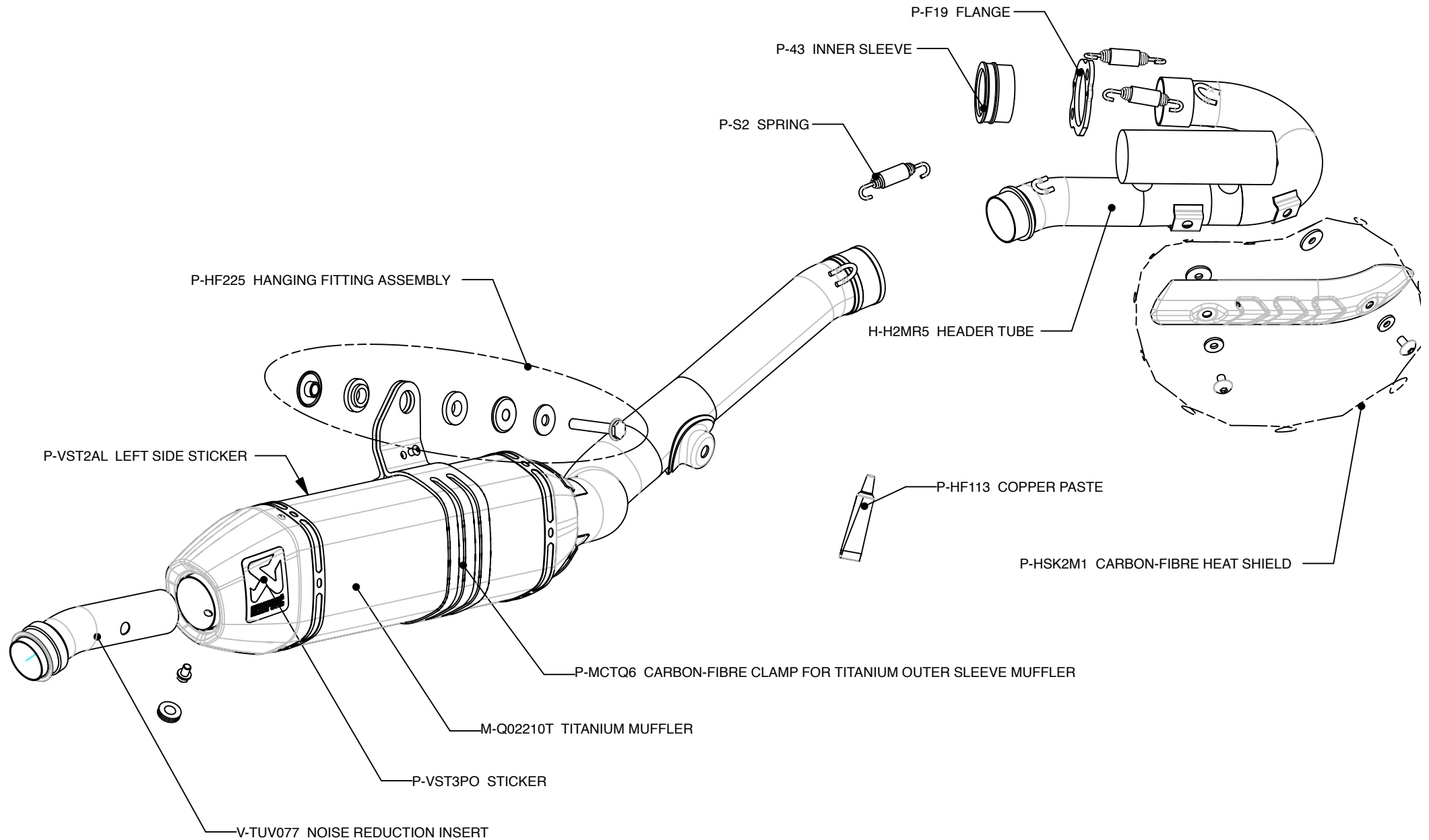
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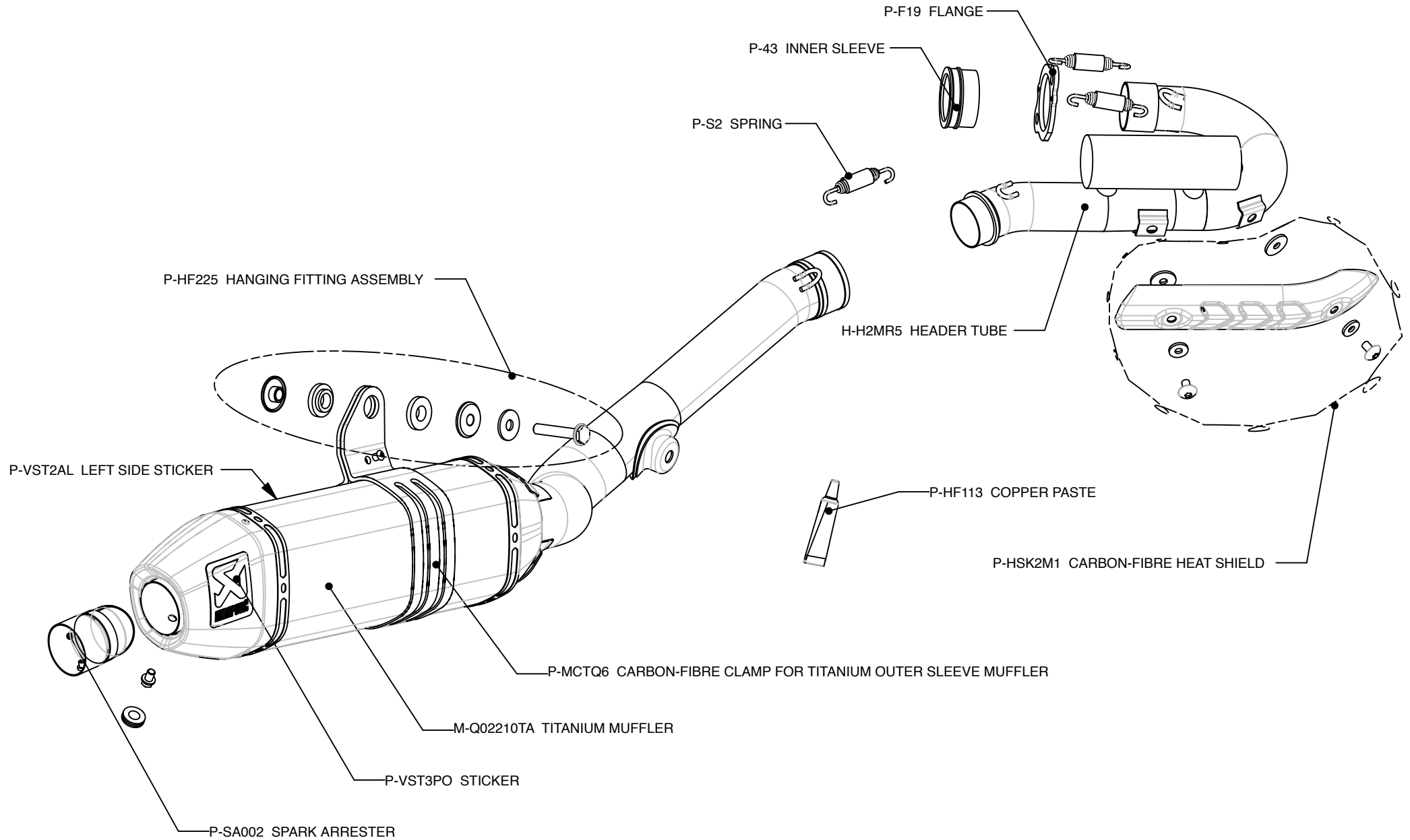
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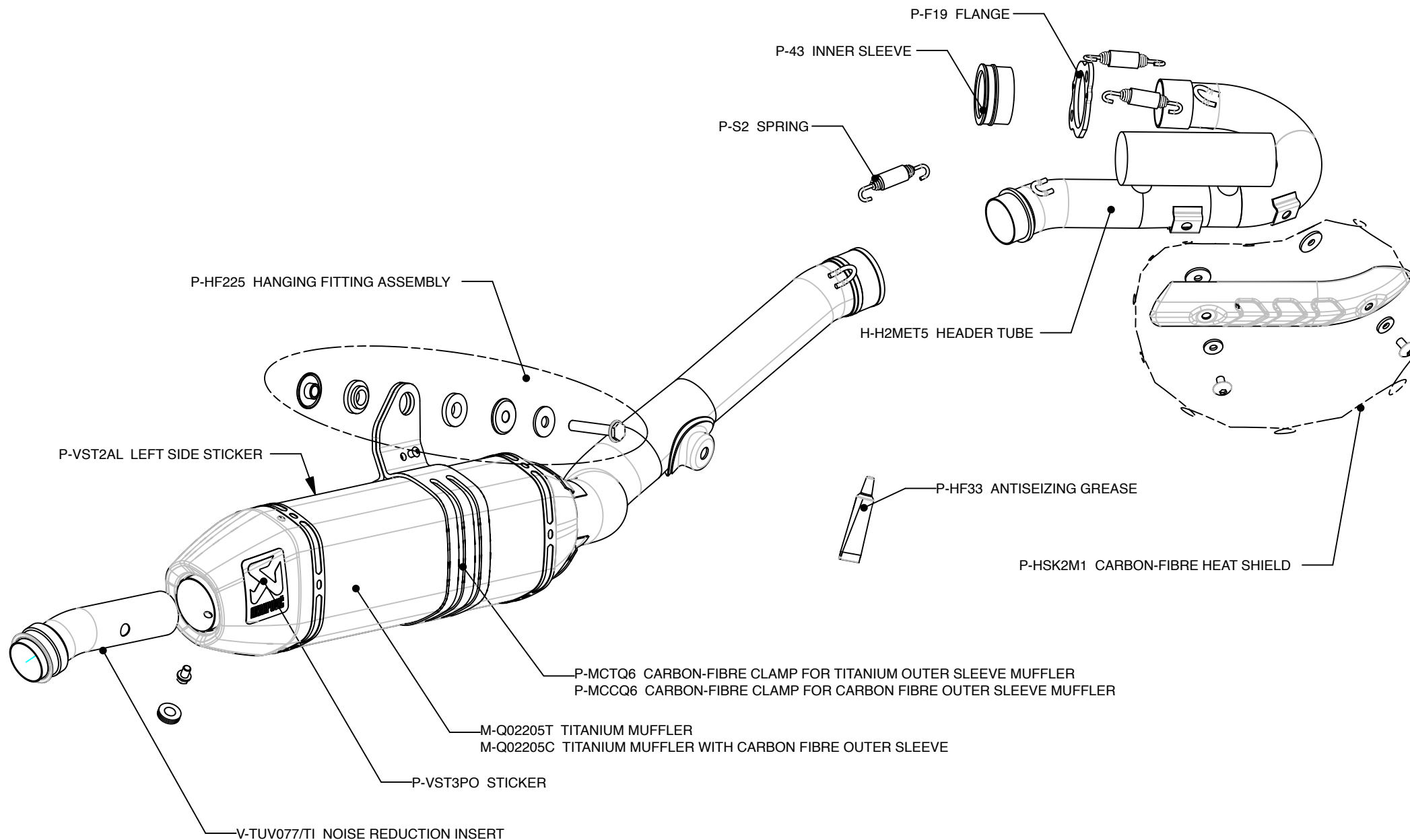
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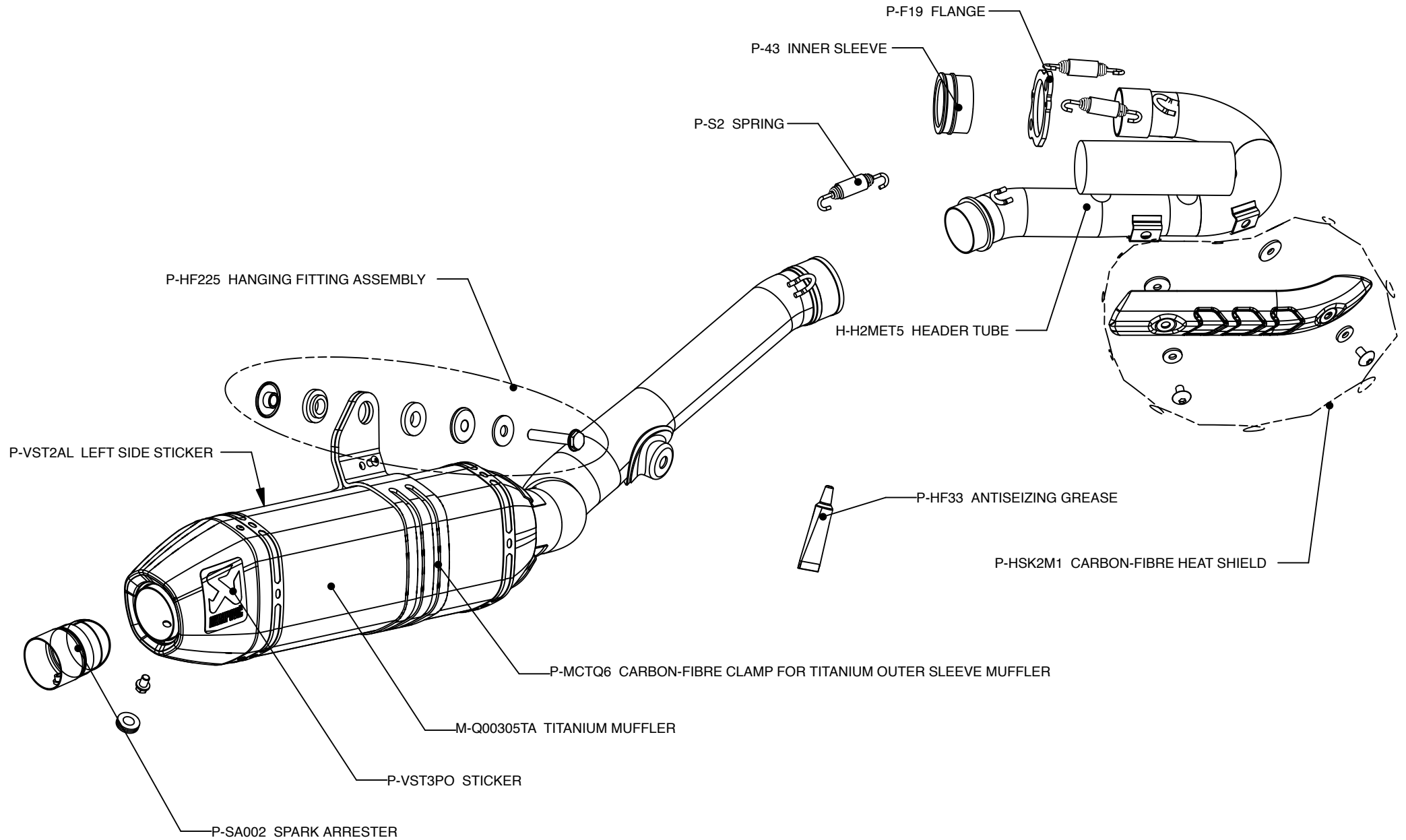


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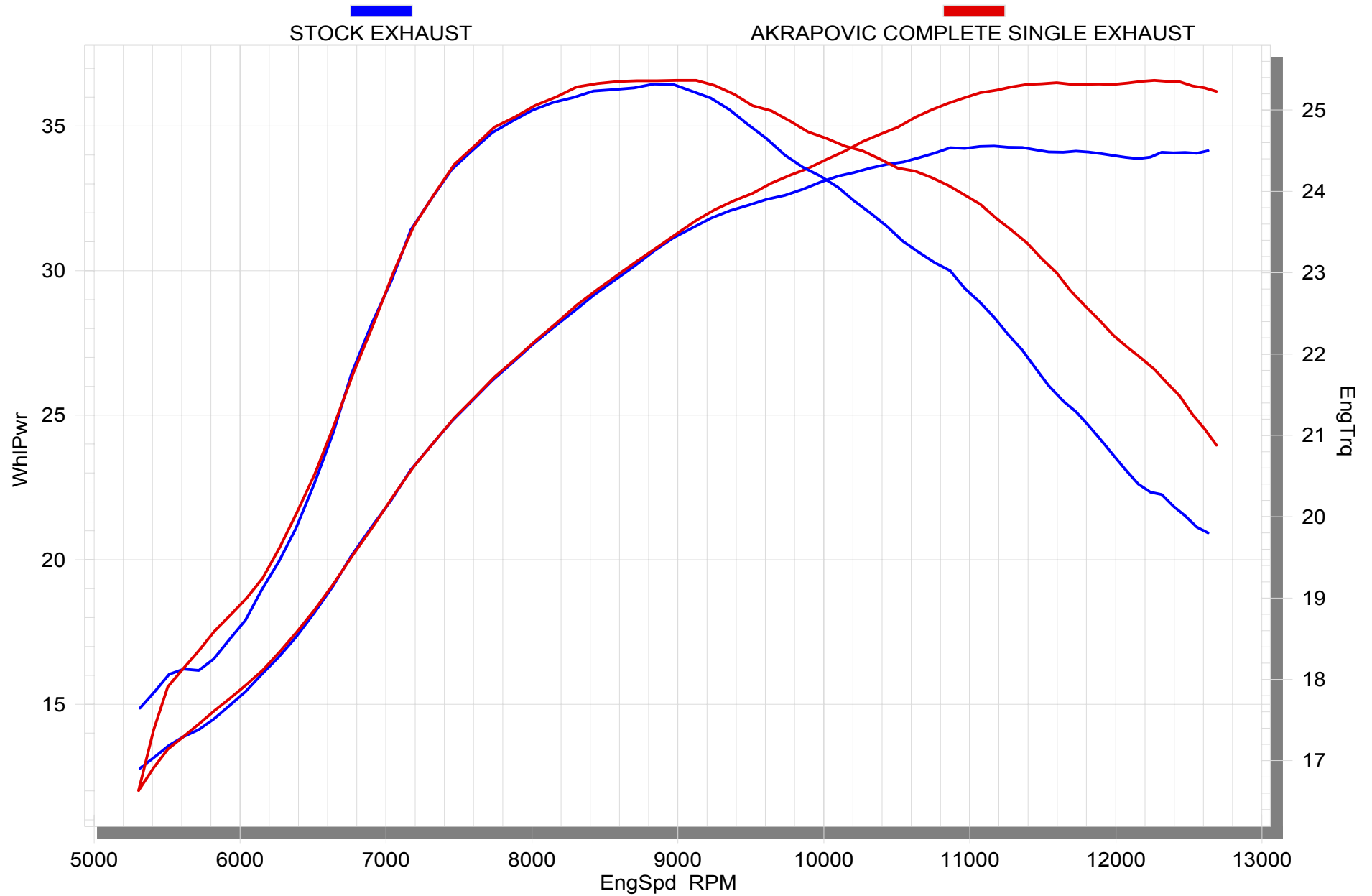


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