



Honda CBR 1000 RR (2006)

Racing & Evolution Exhaust System

# Akrapovic Racing/Evolution Exhaust System

for the Honda CBR 1000 RR (2006)

The Akrapovic RACING and EVOLUTION exhaust systems are the top of our product range. They are designed for Supersport fans who enjoy pushing the engine right to the top of the range. Their quality and reputation are further augmented by the use of the high-tech HYDROFORMING production process to form the header tubes. This process is a highly regarded innovation in the field of exhaust systems. The American company Dynojet offers a Power Commander for the Honda CBR 1000 RR with mapping developed specifically for this Akrapovic system. The mapping will add a further increase in power and extend the lifetime of the damping material.

## PERFORMANCE

Measurements of the Akrapovic EVOLUTION system on the HONDA CBR 1000 RR (without muffler insert):

Power & Torque: the exhaust system modification with the EVOLUTION (Racing) system results in a major boost in performance, delivering a massive 159.3 HP at 11700 rpm. But the increased power isn't available just at the top of the range; the system shows its quality from 4400 rpm up. Max. increased power between the Akrapovic and the stock system is 12.1 HP at 11900 rpm.

The injection of added torque is similar to the power curve, starting at 4400 rpm and leading right to the top of the range.

## CONFIGURATION

The Akrapovic RACING and EVOLUTION systems for the Honda CBR 1000 RR are a 4-2-1 configuration, while the systems differ only in their selection of materials. The RACING system uses stainless steel, while the EVOLUTION system uses titanium. The systems are designed with two conical link pipes, an independent Y-shape and a standard one which is welded to the muffler. The system features header tubes formed using hydroforming technology, while all of the remaining parts are composed of conical elements. The individual parts of the system are connected using free-floating joints secured with silicon-shielded tensioning springs, except for the welded link pipe joint. The muffler is HEXAGONAL shaped and lies flat, and is available with either a carbon-fiber or titanium outer sleeve. The interior, input and end rosettes are made entirely of titanium. The muffler is secured to the bike using an Akrapovic carbon-fiber clamp. The systems also include carbon-fiber heat shields.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm <small>(measured on SuperFlow Cycle Dyn)</small>	151.3 / 11000	159.3 / 11700	12.1 / 11900

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

interference crossover tubes	NO	lambda sensor	YES
header tube inner sleeves	S.S. CNC MACHINED	header tube flanges	ALU CNC MACHINED
header tubes - collector connection	SLEEVE JOINT + SILICON SHIELDED SPRINGS	collector - Y link pipe - link pipe connection	SLEEVE JOINT + SILICON SHIELDED SPRINGS
Y link pipe - welded link pipe/muffler connection	SLEEVE JOINT + SILICON SHIELDED SPRINGS	muffler inlet cap /outlet cap	TITANIUM / CARBON-FIBER
muffler metal interior	TITANIUM	muffler outer sleeve	TITANIUM / CARBON-FIBER
muffler clamp	CARBON-FIBER ROAD	muffler bracket	-
muffler insert	EU	NOISE DAMPER	heat shield
	US	-	catalytic converter

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
weight comparison (kg)	9.00	5.87	4.36	3.13	4.64
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	95 / 5625		95 / 5625		
possibility of periodic service without removing A.E.S.	oil		oil filter		
	YES		YES		
legal for street use	YES (Street Legal version)				

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

Product code: 105901 (S-H10R5L-WC), 105901 (S-H10R5L-WT)  
 105966 (S-H10R5L-HWC), 105965 (S-H10R5L-HWT) homologated  
 105903 (S-H10RFT5TL-WC), 105902 (S-H10RFT5TL-WT)  
 105968 (S-H10RFT5TL-HWC), 105967 (S-H10RFT5TL-HWT) homologated

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CARBON-FIBER  
MUFFLER CLAMP

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Road Program

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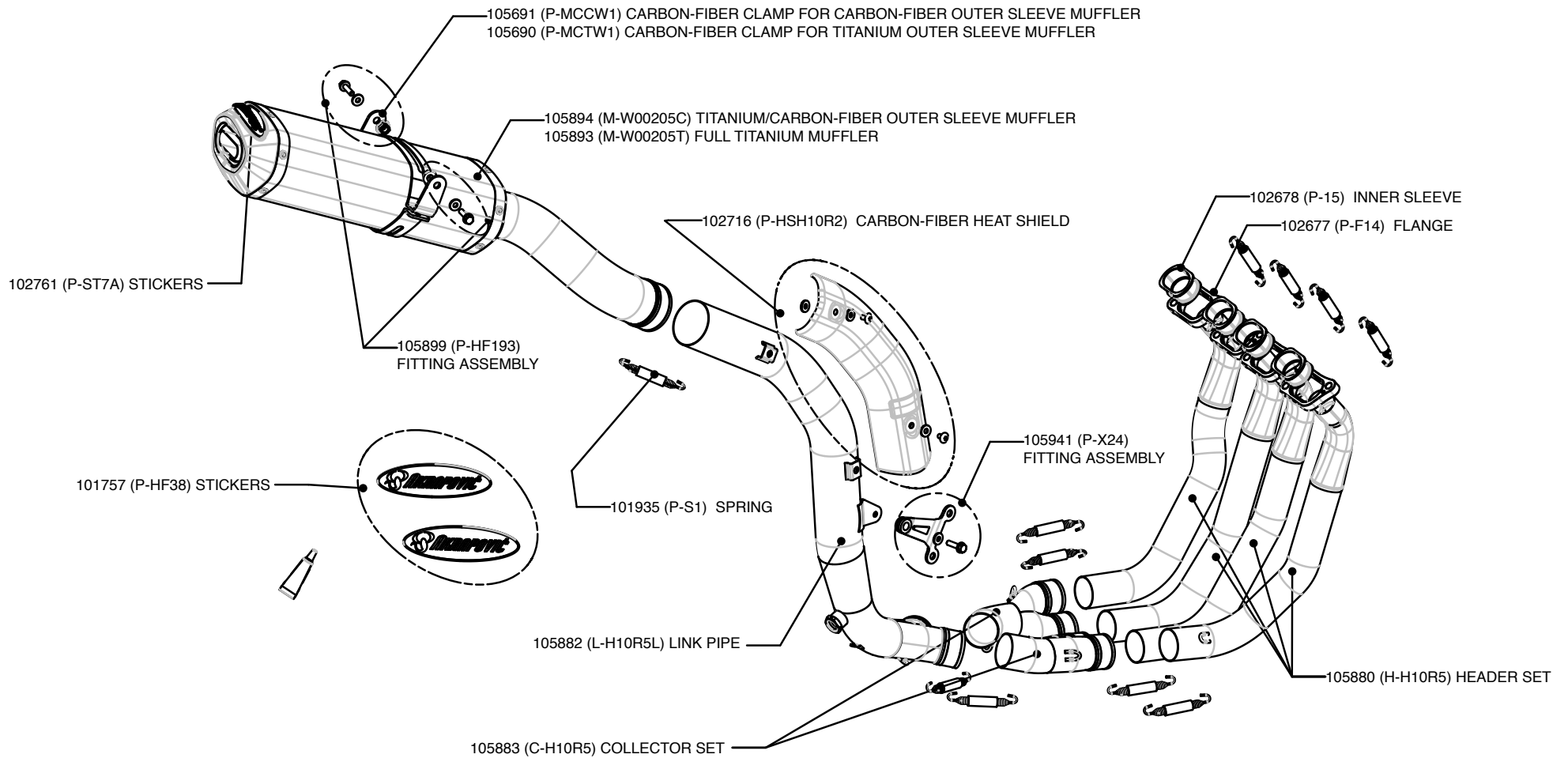


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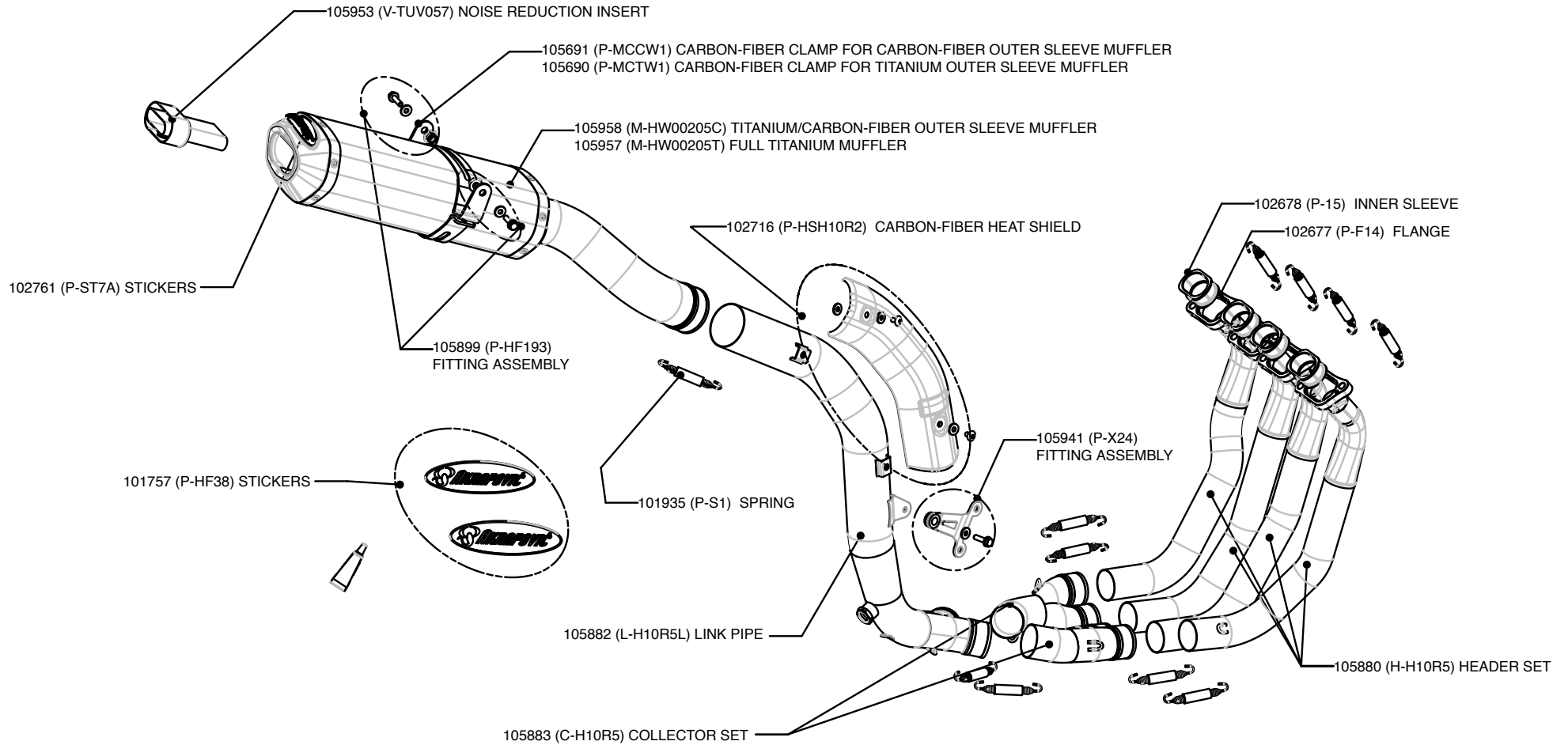
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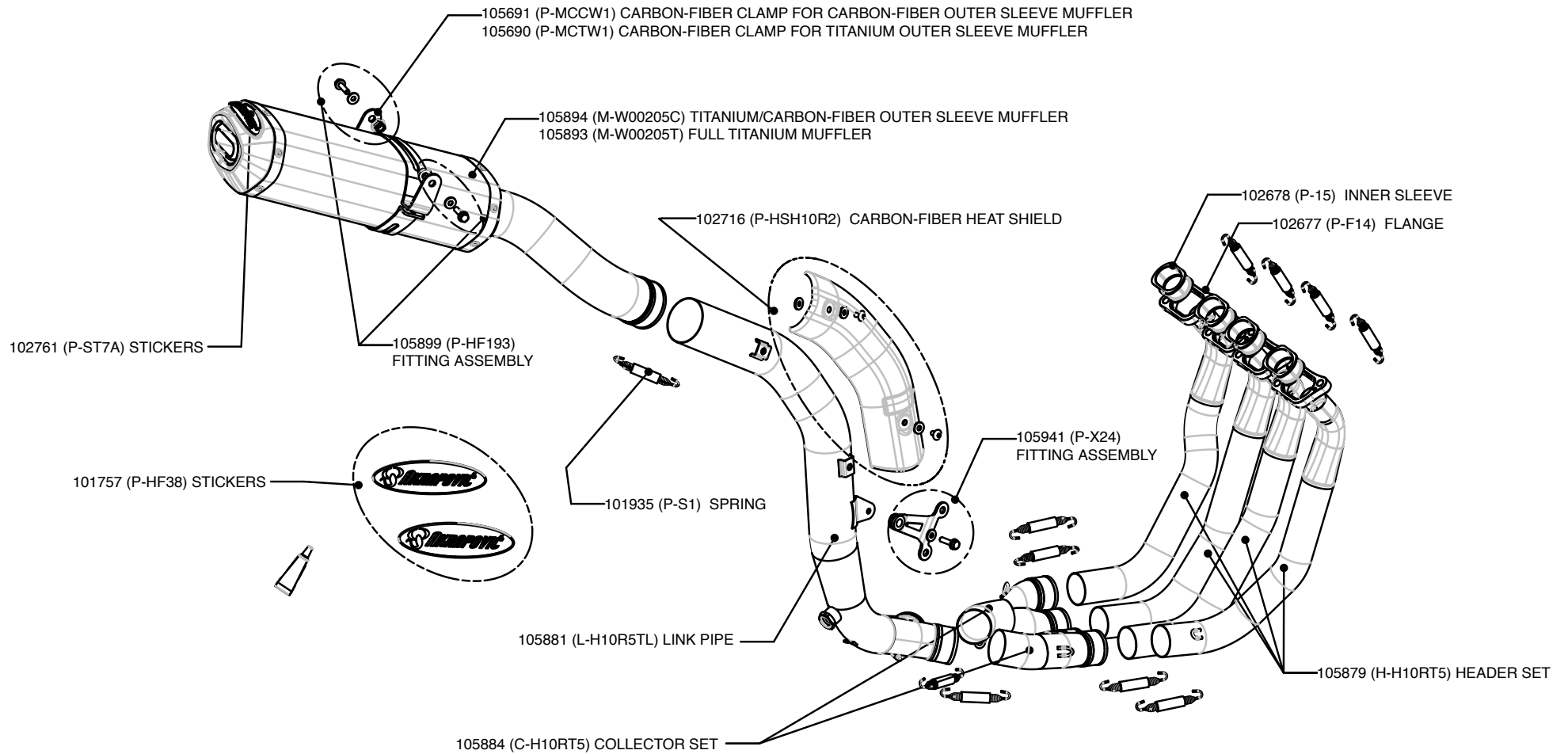
Road Program

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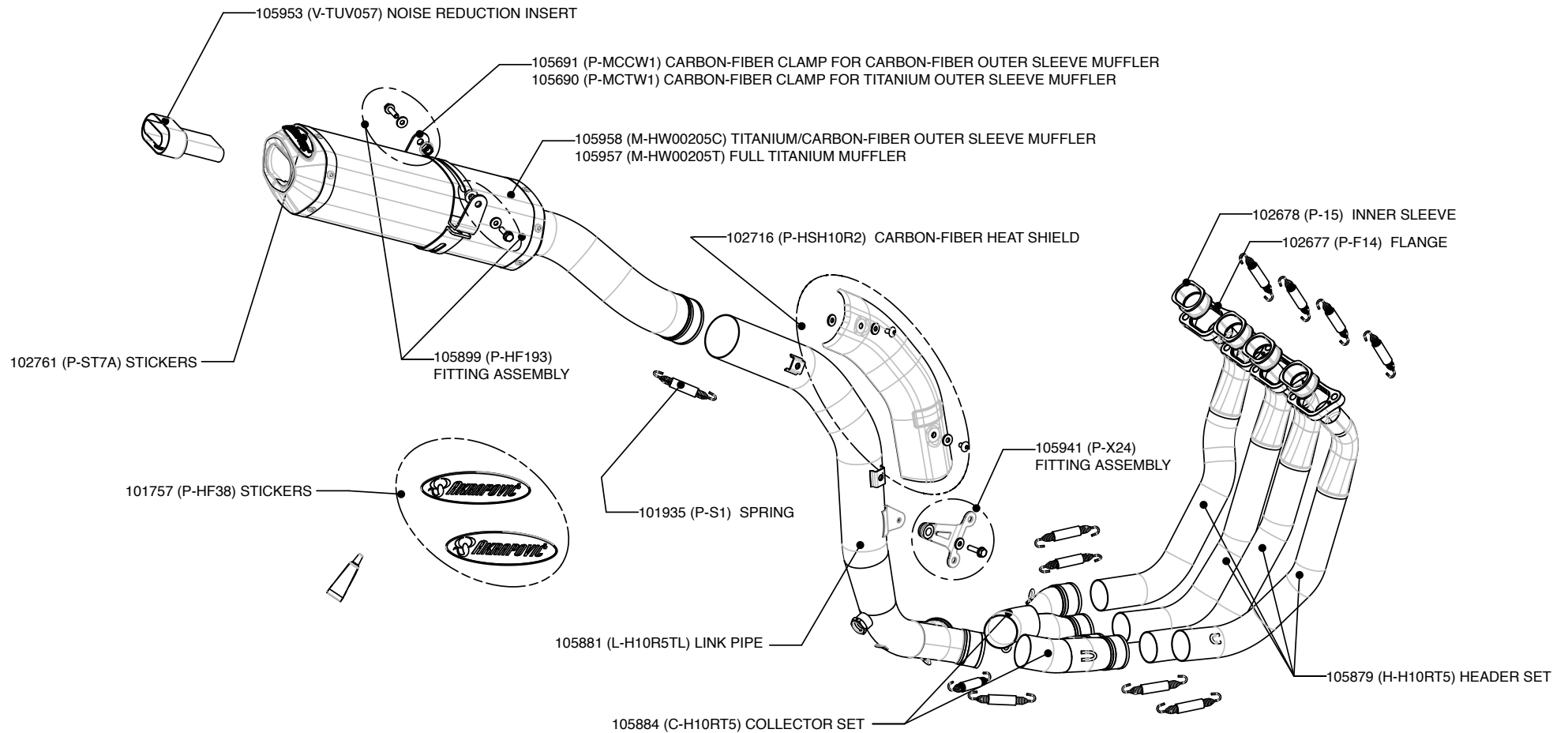
Road Program

Product code: 105903 (S-H10RFT5TL-WC), 105902 (S-H10RFT5TL-WT)



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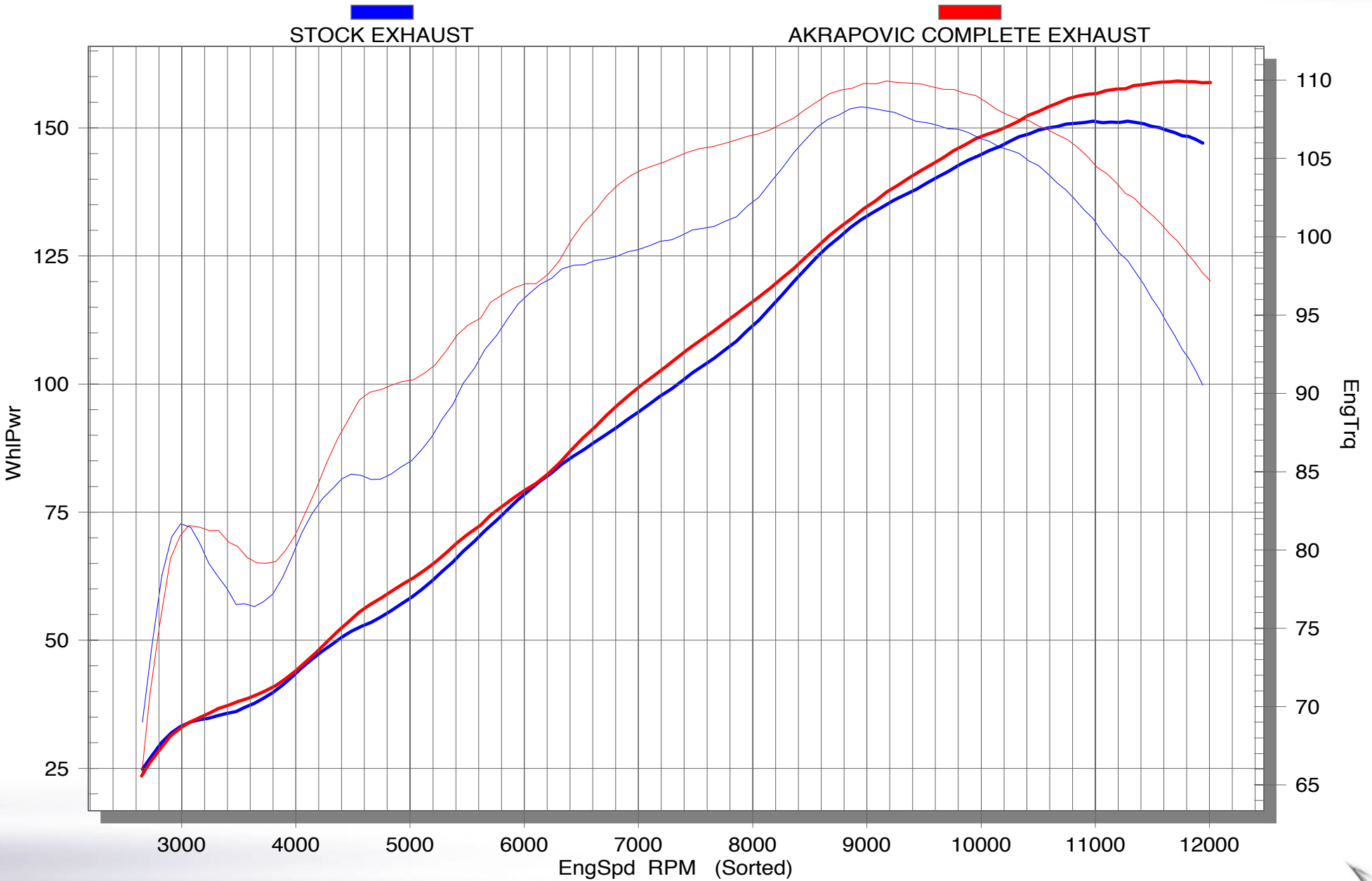


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Road Program

Product code: 105968 (S-H10RFT5TL-HWC), 105967 (S-H10RFT5TL-HWT) homologated

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