



Suzuki GSX-R 750 (2004)

Racing & Evolution Exhaust System

# Akrapovic Racing & Evolution Exhaust System

for the Suzuki GSX-R 750 (2004)

Riders looking for top-level performance want every possible advantage. For such riders we offer the Akrapovic RACING and EVOLUTION 1 systems, which will satisfy their strictest requirements for exhaust system tuning. The systems differ only in their selection of material. The header tubes for both systems (including the Evolution 2) are partially shaped using the **HYDROFORMING** process.

**NOTE: We have also developed an Akrapovic EVOLUTION 2 exhaust system for the Suzuki GSX-R 750, which is intended only for races and championships which allow louder exhaust systems – 107 dB. The EVOLUTION 2 differs from the EVOLUTION 1 and RACING systems in the design of the muffler, which is shorter and louder than the muffler for the EVOLUTION 1 and RACING systems. The Akrapovic carbon-fiber bracket is mandatory (instead of optional as for the RACING and EVOLUTION 1). The EVOLUTION 2 is only suitable for certain types of competition!**

## PERFORMANCE

Measurements of the Akrapovic EVOLUTION 1 system on the SUZUKI GSX-R 750 (without noise damper):

**Power:** the Akrapovic EVOLUTION 1 and RACING systems are designed to deliver a major performance increase at the top of the rpm range. They are intended for racing motorcyclists who open up their throttles and keep their engines revving high. But the system also delivers a performance increase throughout the rest of the range. The Akrapovic EVOLUTION 1 and RACING systems serve up an incredible 8.3 HP increase in max. power at 13200 rpm, while the max. increased power is a huge 11.4 HP at 13600 rpm.

**Torque:** the Akrapovic EVOLUTION 1 and RACING systems leave their mark on the torque curve too. There is an increase throughout nearly the entire range, with the Akrapovic curve taking a different shape only around 4000 rpm.

## CONFIGURATION

The 4-2-1 configurations of the RACING and EVOLUTION 1 systems are identical, differing only in their material selection. The RACING uses stainless steel, while the EVOLUTION 1 is made of titanium. The upper part of the header tubes is made using the state-of-the-art **HYDROFORMING** process, where the tubes are formed using water under extreme pressure. Using this process we have obtained maximum efficiency of the exhaust gas flow. The system leads into twin collectors, and from there into a single link pipe and muffler. The muffler is available in either titanium or carbon-fiber. The performance is identical in both cases. The interior of both systems is also identical, made of titanium. A carbon-fiber muffler hanging bracket is available as an option, requiring the removal of the passenger foot-rests, and setting the muffler in a slightly higher position. All of the tubes are connected with free-floating joints secured with silicon-shielded tensioning springs.

## OPTIONS

The muffler outer sleeve is available in either titanium or carbon-fiber. A carbon-fiber muffler hanging bracket is also available.

	PERFORMANCE		
	stock	AKRAPOVIC	max. increased power
max. rear wheel power HP / rpm <small>(measured on SuperFlow Cyle Dyn)</small>	124.8 / 12600	133.1 / 13200	11.4 / 13600

	CONFIGURATION		
	header tubes	collector	link pipe
material	TITANIUM (Evolution 1) STAINLESS STEEL (Racing)	TITANIUM (Evolution 1) STAINLESS STEEL (Racing)	TITANIUM (Evolution 1) STAINLESS STEEL (Racing)
tube shape	HYDROFORMING	CYLINDRICAL	CONICAL

interference crossover tubes	YES	lambda sensor	YES
header tube inner sleeves	S.S. CNC MACHINED	header tube flanges	ALU CNC MACHINED
header tubes - collector connection	FREE-FLOATING + SILICON SHIELDED SPRINGS	collector / header tube - link pipe connection	FREE-FLOATING + SILICON SHIELDED SPRINGS
link pipe - muffler connection	FREE-FLOATING + SILICON SHIELDED SPRINGS	muffler inlet cap / outlet cap	TITANIUM / TITANIUM
muffler metal interior	TITANIUM	muffler outer sleeve	TITANIUM / CARBON-FIBER
muffler clamp	CARBON-FIBER ROAD	muffler bracket	-
noise damper	-	heat shield	-

OPTIONS				
link pipe	noise damper	muffler outer sleeve	muffler bracket	heat shield
-	-	TITANIUM / CARBON-FIBER	CARBON-FIBER	-

	ADDITIONAL DATA				
	stock	AKRAPOVIC		difference	
		racing	evolution	stock - racing	stock - evolution
weight comparison (kg)	9.49	4.37	3.66	5.12	5.83

noise measurements (dB / rpm)	stock 92 / 6400	AKRAPOVIC 101.5 / 6400 (Evolution 1)
possibility of periodic service without removing A.E.S.	oil YES	oil filter YES
legal for street use	NO	

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

Product code: 103019 (S-S7R5L-C), 103020 (S-S7R5L-T),  
103007 (S-S7RFT5TL-C), 103008 (S-S7RFT5TL-T)  
103017 (S-S7EFT5TL-DC), 103018 (S-S7EFT5TL-DT)



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CARBON-FIBER CHASSIS HANGING  
BRACKET IS OPTIONAL



CARBON-FIBER  
MUFFLER CLAMP

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Road  
Program

Product code: 103019 (S-S7R5L-C), 103020 (S-S7R5L-T),  
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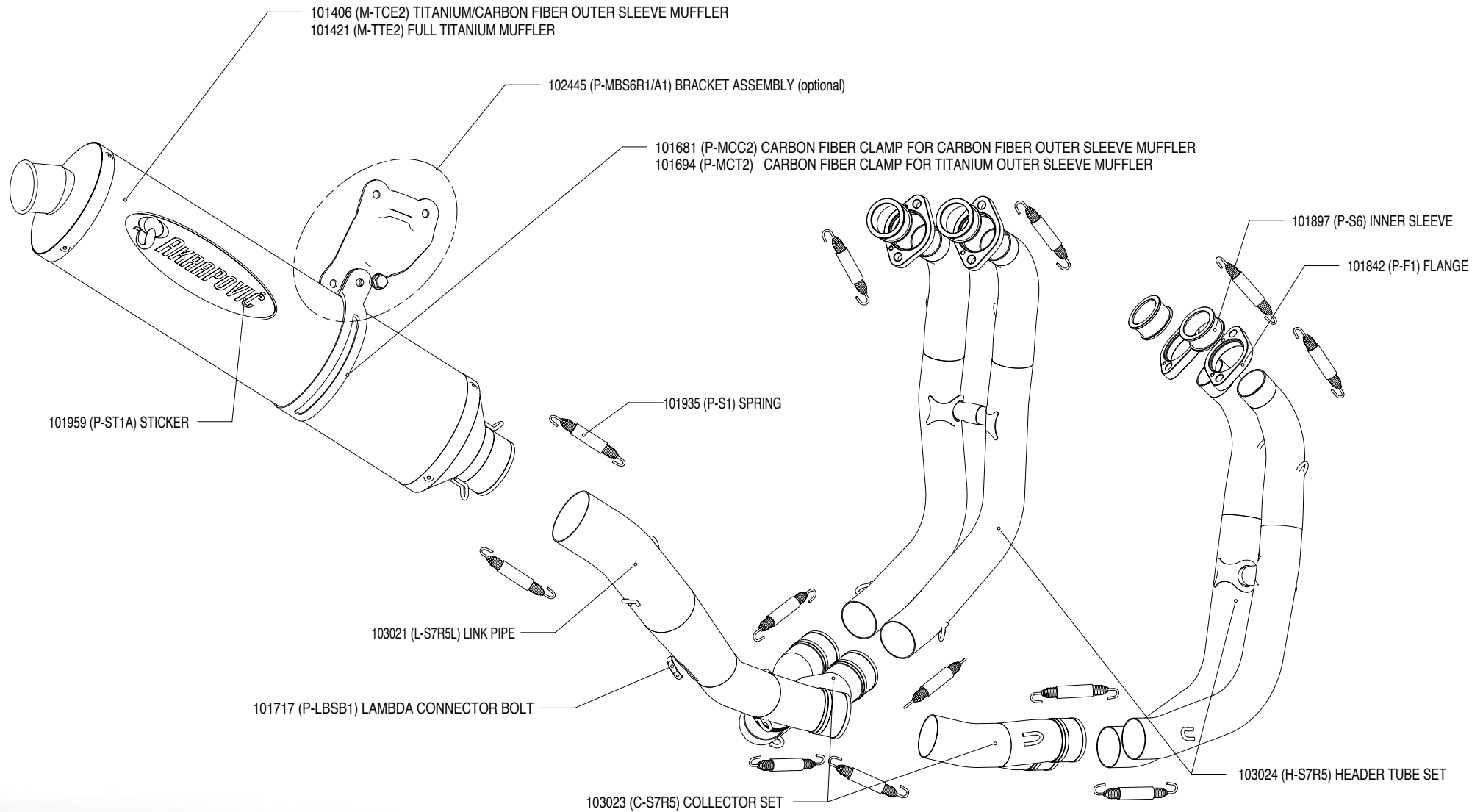
Road  
Program

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103007 (S-S7RFT5TL-C), 103008 (S-S7RFT5TL-T)  
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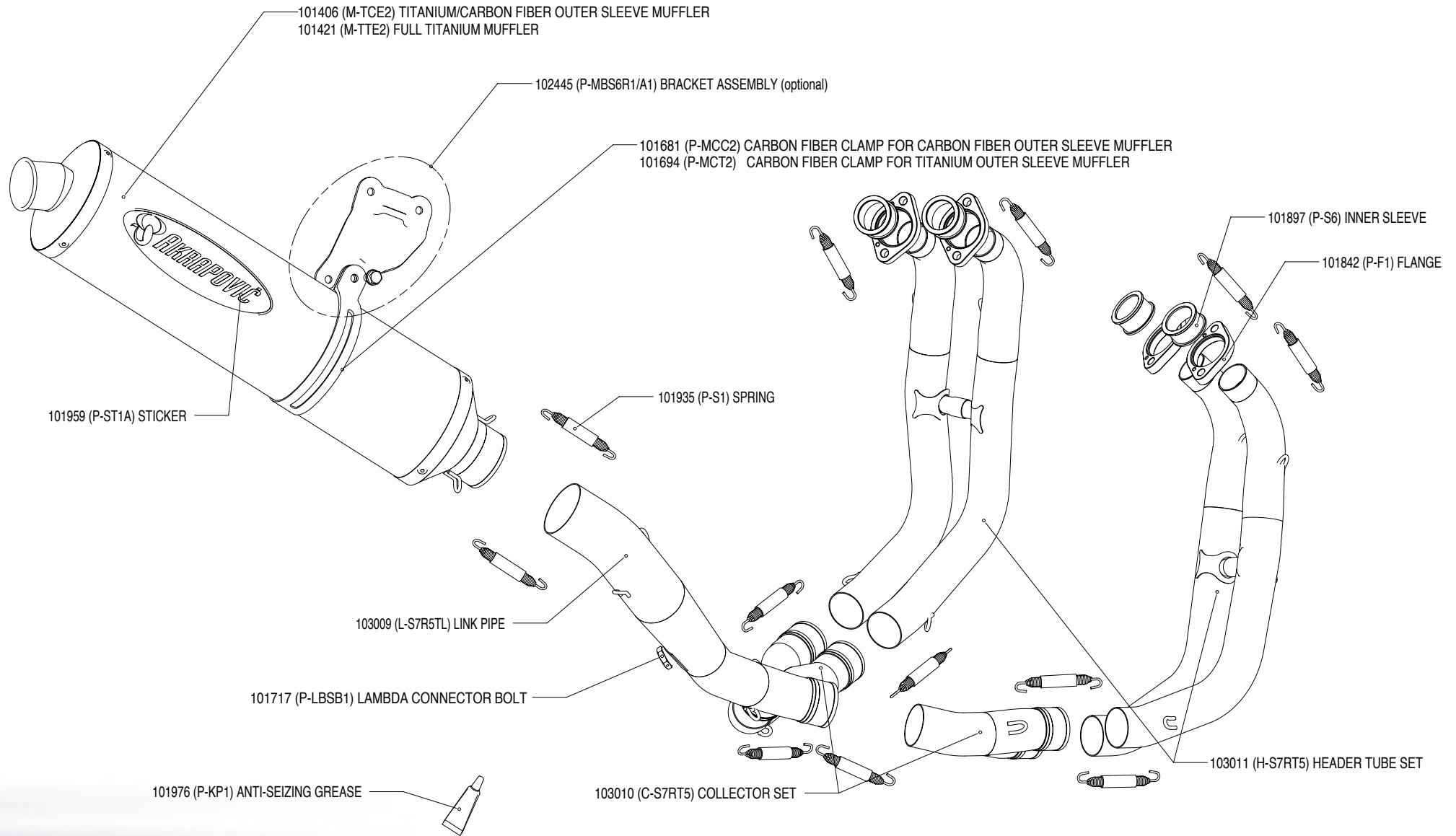
Road Program

Product code: 103019 (S-S7R5L-C), 103020 (S-S7R5L-T),



# Akrapovic Evolution 1 Exhaust System

for the Suzuki GSX-R 750 (2004)



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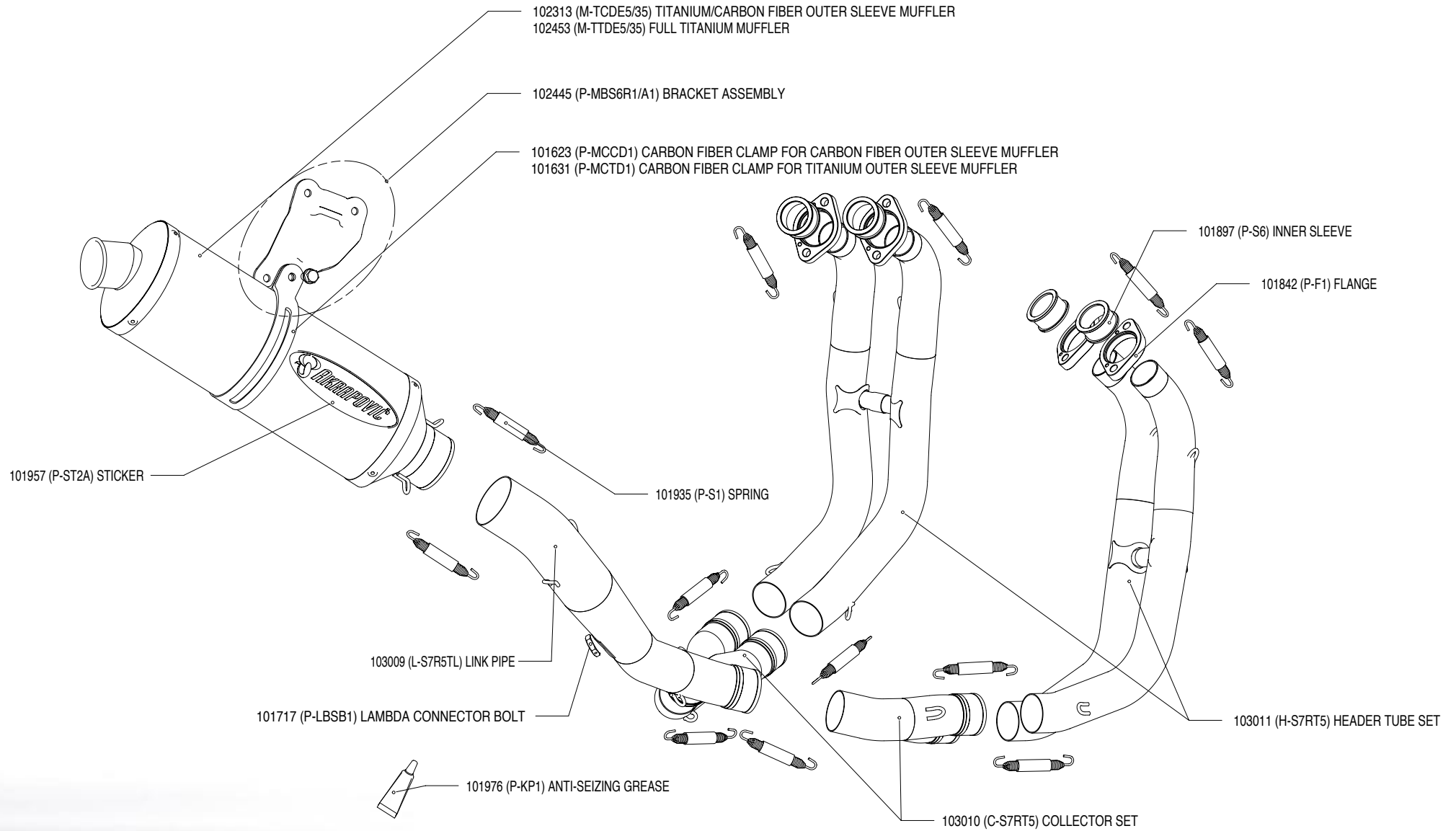
Road Program

Product code: 103007 (S-S7RFT5TL-C), 103008 (S-S7RFT5TL-T)



# Akrapovic Evolution 2 Exhaust System

for the Suzuki GSX-R 750 (2004)



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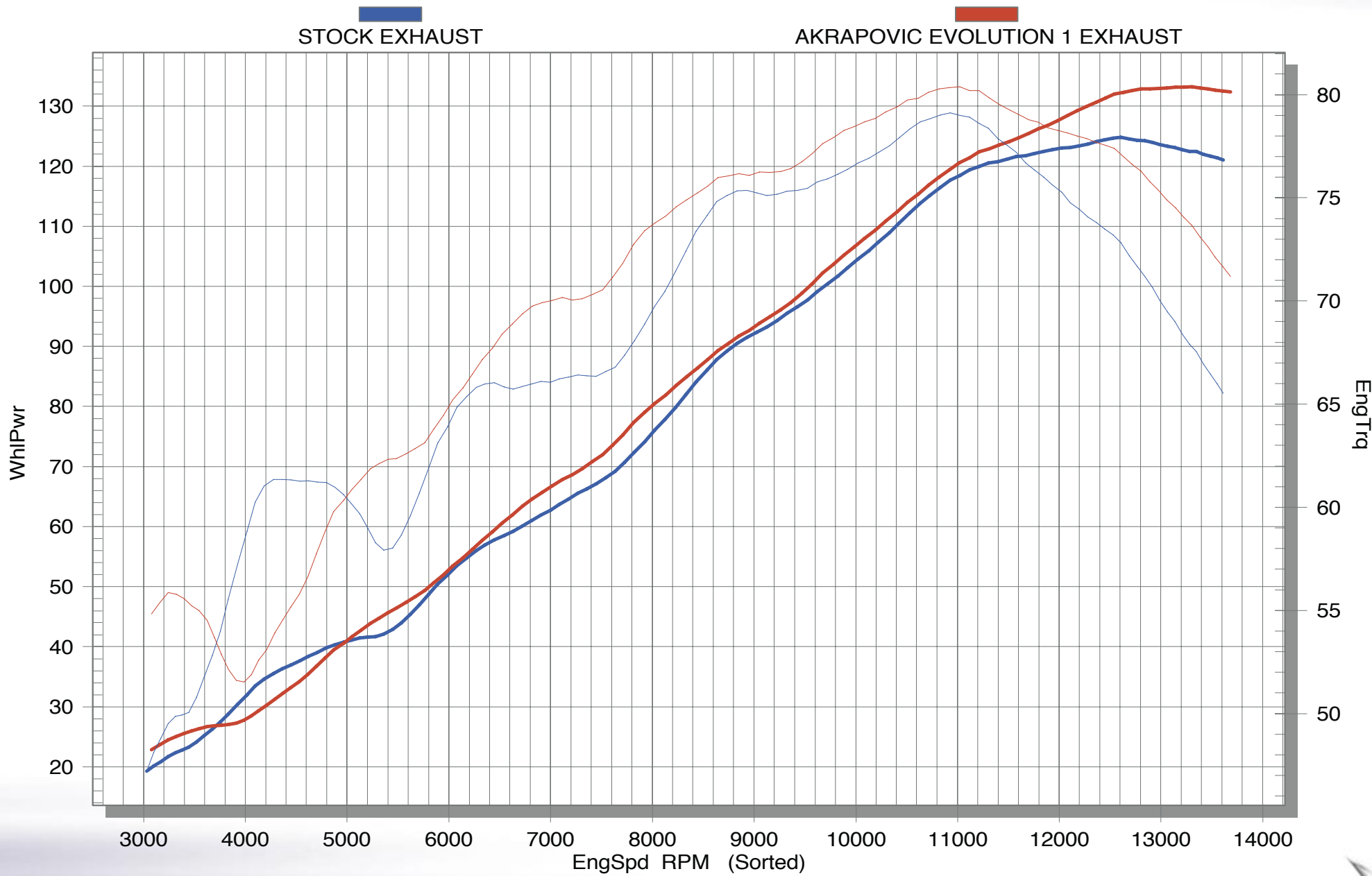
Road Program

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