



Thank you for choosing WINGS exhaust.

Please read these special 690/701/700 Installation Instructions together with the General Installation Instructions carefully and thoroughly before installing your new WINGS exhaust **which** is constructed and designed to withstand the usual demands of regular traffic including use on unpaved roads and gentle terrain. It is not suitable for use on racetracks or long-distance full throttle highway use.

Please be advised that the 690/701/700 engine is already on 95 % of its hardware limit; therefore, a significant performance increase cannot be obtained without a negative influence on the lifespan of the engine.

Due to emission requirements, the Air to Fuel Ratio (AFR) is set in a way that the engine is already on the very verge of running lean. The exhaust gas temperature of EURO 5 engine in its original state at 4700 RPM is 91 degrees higher than of EURO 4 engine at the same RPM. Any and all modifications on the intake side of the engine (air box, air filter, etc.) or removing the dB-killer will cause the engine to run lean (hot). The consequence of such actions is premature deterioration of the damping wool inside the WINGS exhaust, which will lead to hot spots, discoloration and other visible damages on the exhaust's surface and its interior. We urge you to use gasoline with no less than 97 octane for the thermodynamical stability of the engine.

IMPORTANT After installing a new WINGS exhaust either with a louder or a quieter dB-killer installed no remapping is needed (tested on a bike with no modifications other than WINGS exhaust).

DO NOT remove the dB-killer (open exhaust), **DO NOT** remove the SAS (especially on EURO5 engines), **DO NOT** remove/disconnect/replace the lambda (O2) sensor, or **DO NOT** make any changes on the intake side of the engine because it would harm the thermodynamics of the engine and as consequence of such actions the damping wool must be replaced otherwise hot spots, discoloration, and other visible damages on the exhaust's surface, outer sleeve, carbon end cap and interior of the exhaust will occur.

IMPORTANT On »old« EURO4 engines we strongly recommend the 15-minute idle procedure after installing a new WINGS exhaust. It enables the EFI to adjust to the new conditions.

The procedure should be performed outdoors. The engine must be cold. Start the engine and let it run idle for more than 15 minutes and less than 16 minutes. We recommend 15 minutes 30 seconds. Do not operate the throttle or any other functions while the engine is idling. After this period, shut the engine off. If the engine stops during this procedure or if the procedure is incomplete or faulty, restart the whole procedure from the beginning.

DO NOT perform this procedure on new EURO5 engines.

IMPORTANT For the correct EURO standard of your bike see the table at the end of the Installation manual.





Please read the General Installation Instructions first.

IMPORTANT Retighten the bolts after the first ride. Make sure that all of the bolts (including those in the carbon heat shields) are sufficiently tightened periodically.

Enjoy riding with your new WINGS exhaust!

	USA & CANADA	REST OF THE WORLD
EURO 4	all KTM 690 and Husqvarna 701 until MY 2024 included	all KTM 690 and Husqvarna 701 until MY 2020 included
EURO 5	GasGas 700 MY 2022-2024	all KTM 690 and Husqvarna 701 from MY 2021 included and GasGas 700 MY 2022-2024

Table: EURO standards

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