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MUFFLER LIST 2025

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Enclosed the new muffler list for 2025. Because of new rules that were made valid in 2013 the list will be different every year. Some of the older mufflers have disappeared and more will follow. From now on the responsibility on the noise production is up to the driver. Using one of the mufflers on the list does not mean that you are always within the limits. The noise production depends on a combination of various factors; motor/muffler/manifold/ins-box/gearing/performance and body (exhaust hole in the body).

EFRA will measure noise limits from time to time at various races to show the drivers their noise production during the coming years. The measurement systems, the same as used in 5th scale from year to year are updated and modified when needed. Drivers that make too much noise (more than other drivers) can be instructed to check and change their motor/muffler/header combination and/or can be penalised. This is a different approach compared to the last 25-30 years however, this is the only solution to bring the level down or keep it within limits. All mufflers on the list will be valid for a period of 2 year and then a renewal by the manufacturer has to be made to EFRA again. This gives better control and the noisier mufflers will easily disappear in the future.

At the end of the list, you see samples with a picture of all the mufflers on this list. We have also listed some of the measurements here, including the weight. The weight is there to avoid the production of mufflers with thinner or different material. Thinner material normally will produce more noise.

Within the next weeks when new samples have arrived, we will update the list with pictures from all the mufflers with their dimensions and weight will be added to complete the list. Length and diameter are the maximum values.

Some mufflers have a cosmetic change compared to those produced some years ago, which means they are slightly different looking, however functional measurements are still the same. See picture EFRA9901 as sample with extra reinforcement for tailpipe.

All SECTION CHAIRMEN have the drawings that belong to a muffler in their possession. This way they can check dimensions on trackside.

Some brands sell the muffler with a fixed manifold, which is allowed. In case somebody is making an official claim to have a muffler checked and it needs to be cut open after consulting the section chairman remember you will need to pay for a brand-new muffler in case that specific muffler is according to the rules and drawings.

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Engraved number	1/8th MUFFLERS for 2025	type	valid till
EFRA2042	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport		Dec-26
EFRA2069	Hipex		Dec-26
EFRA2089	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport		Dec-26
EFRA2094	MAX		Dec-26
EFRA2095	Hipex (low noise pipe)	on road	Dec-25
EFRA2098	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport		Dec-26
EFRA2099	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower		Dec-26
EFRA2108	Hipex		Dec-25
EFRA2109	LRP/Nosram/Ongaro edition/WorksTeam Edition	off road	Dec-26
EFRA2113	REDS Racing	on road	Dec-26
EFRA2115	Hipex		Dec-26
EFRA2134	Alpha / Argus	off road	Dec-26
EFRA2135	Hipex		Dec-26
EFRA2141	Ultimate Racing	off road	Dec-25
EFRA2142	Ultimate Racing	off road	Dec-25
EFRA2143	REDS Racing, with and without fixed header	off road	Dec-25
EFRA2146	Hipex	off road	Dec-25
EFRA2153	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower	on road	Dec-26
EFRA2154	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport	off road	Dec-26
EFRA2155	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport	off road	Dec-26
EFRA2156	Flash Point RC	off road	Dec-26
EFRA2159	Alpha / Argus		Dec-25
EFRA2160	MSE		Dec-25
EFRA2163	Capricorn/One		Dec-25
EFRA2164	Max		Dec-26
EFRA2165	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport		Dec-26
EFRA2166	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower	off road	Dec-26
EFRA2167	Ruddog	off road	Dec-26
EFRA2168	FX	onroad	Dec-26
EFRA2169	FX	offroad	Dec-26
EFRA2170	CEN Racing/KAOS	offroad	Dec-26
EFRA2171	ASM		Dec-26
EFRA2173	Capricorn/One		Dec-25

EFRA2174	Hasi		Dec-25
EFRA2175	Hasi		Dec-25
EFRA2178	Gimar		Dec-25
EFRA2179	Gimar		Dec-25
EFRA2180	Corsatec		Dec-25
EFRA2181	NOVA ENGINES	on-road	Dec-25
EFRA2182	NOVA ENGINES	off-road	Dec-25
EFRA2183	MAX		Dec-26
EFRA2184	DB Engine new muffler		Dec-26
EFRA2185	lelasi Tuned, with and without fixed header	on-road	Dec-26
EFRA2186	lelasi Tuned, with and without fixed header	off-road	Dec-26
EFRA2187	Nova		Dec-26
EFRA2188	Hipex		Dec-26
EFRA2190	Gimar		Dec-26
EFRA2191	One / Capricorn		Dec-26
EFRA2192	InTech Engine		Dec-26
EFRA2193	InTech Engine		Dec-26
EFRA2194	Force Racing, M master, Jetko Power		Dec-25
EFRA2195	Gimar		Dec-25
EFRA2196	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport		Dec-25
EFRA2197	Hipex		Dec-25
EFRA2198	Genius		Dec-25
EFRA2199	Genius		Dec-25
EFRA2200	Radiosistemi		Dec-25
EFRA2201	Power Star / on road	new	Dec-26
EFRA2202	Power Star / off road	new	Dec-26
EFRA2203	Power Star / GT	new	Dec-26
EFRA2204	Hasi	new	Dec-26
EFRA2205	Capricorn/One	new	Dec-26
EFRA2206	Reds	new	Dec-26
EFRA2207	FORMULA	new	Dec-26
EFRA2208	ASM	new	Dec-26
EFRA2209	Gimar	new	Dec-26

Engraved number	1/10th MUFFLERS for 2025	type	valid till
EFRA2669	Hipex	on road	Dec-26
EFRA2670	MAX	on road	Dec-26

EFRA2672	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport	on road	Dec-26
EFRA2673	Hipex / low noise	on road	Dec-25
EFRA2681	DB Engine	on road	Dec-25
EFRA2688	Hipex	on road	Dec-25
EFRA2690	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport	on road	Dec-26
EFRA2693	Capricorn /One	on road	Dec-26
EFRA2694	Max power	on road	Dec-25
EFRA2696	FX	on road	Dec-26
EFRA2697	ASM	on road	Dec-26
EFRA2698	ASM	on road	Dec-26
EFRA2699	NOVA ENGINES	on road	Dec-25
EFRA2700	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport	on road	Dec-25
EFRA2701	lelasi Tuned	on road	Dec-25
EFRA2702	Gimar	new	Dec-26

molded number	INS Boxes for 2025		
EFRA-INS200101	Serpent	1/8th	1/10th
EFRA-INS200201	Picco box, also sold by R&B	1/8th	1/10th
EFRA-INS200401	Mielke / Mugen Seiki	1/8th	1/10th
EFRA-INS200701	NovaRossi	1/8th	1/10th
EFRA-INS200702	Mielke modified / Mugen Seiki	1/8th	1/10th
EFRA-INS200901	NovaRossi / R&B	1/8th	1/10th
EFRA-INS200902	Serpent / Xceed / Max / OS Speed /R&B / Brillant RC	1/8th	1/10th
EFRA-INS200903	modified NovaRossi (lower 200901)	1/8th	1/10th
EFRA-INS201001	Hobby Pro / Team C	1/8th	1/10th
EFRA-INS201101	Mielke	1/8th	1/10th
EFRA-INS201401	NovaRossi	1/8th	1/10th
EFRA-INS202301	PiraniRC	1/8th	1/10th
EFRA-INS202401	Dim3nsion	1/8th	1/10th
EFRA-INS202501	Dim3nsion	1/8th	1/10th

EFRA9901		
NovaRossi		
Valid till 31-12-2017		
68,5 gramm		
38 x 156mm		
tailpipe 26mm		

Sander de Graaf / EFRA Muffler homologation officer.

