



EFRA muffler homologation officer:

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EUROPEAN FEDERATION OF RADIO OPERATED MODEL AUTOMOBILES

Netherlands, November 20th 2016.

Procedure for EFRA Registration of Mufflers for 2017.

Any manufacturer, or distributor, who wishes to have a new muffler approved to be used at EFRA events must:

- First send a drawing in pdf or jpg to the muffler homologation officer. The drawing needs to show tolerances in the various measurements. Remember some of the maximum measurements within EFRA have no tolerance, so 8.00mm is max 8.00mm.
- After examination of the drawing the manufacturer needs to send 2 samples to the homologation officer.

The time schedule for EFRA Muffler Registration is as follows and these are deadlines, so **the sooner the better**: The first drawing must be received by EFRA 1st of January the latest.

Samples must be received by January 31st the latest. Please also remember to mark the parcel as "SAMPLE", all costs involved with this procedure must be paid by the manufacturer. Payment for a muffler Registration must be received February 15th the latest.

The muffler will be checked and registered between the 1st of December and 28th of February.

If registered the EFRA approval number will be sent to the manufacturer 28th of February the latest.

A sample of the registered muffler with the EFRA approval number engraved according to the rules must be received by EFRA 31st of March the latest.

EFRA will publish a list of registered mufflers 1st of March. These mufflers will also be forwarded to IFMAR, to be included in the IFMAR list.

Please also read EFRA rule app 8, the rule could be downloaded from: www.efra.ws

Each registered muffler must have a unique EFRA number. The EFRA number must be visible at time of technical inspection. If the Homologation Officer suspects that a muffler has been modified post-homologation he may anonymously purchase an example of the muffler for checking. If he finds that the muffler has been modified it will be immediately removed from the approved lists.

The **Registration will remain valid for a period of 2 years** from the date shown. However if the model is amended / changed then it will need to be re-submitted for approval. Every 2 years the muffler must be offered for a new registration period. A sample for verification could be asked by EFRA and needs to be submitted if required or asked for.

Registration fee is 120 Euros for a muffler and for a period of 2 years. EFRA associated members pay 60 Euros per muffler (50% discount).

On behalf of EFRA
Sander de Graaf EFRA Muffler Homologation Officer.

www.efra.ws

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Handelsbanken, Norrköping, Sweden
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Here under you will find the list with mufflers and the date the registration expires. Every muffler valid till dec-16 (orange colored) will need a renewal of their registration. Please also check you OEM names for changing or adding new names.

	1/8th MUFFLERS for 20??	type	valid till
EFRA9901	NovaRossi		dec-17
EFRA2006	NovaRossi		dec-17
EFRA2015	NovaRossi / R&B		dec-17
EFRA2017	MAX		dec-17
EFRA2021	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2023	SPM / Vega		dec-17
EFRA2024	SPM / Vega		dec-17
EFRA2033	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2034	RCE/Hipex		dec-17
EFRA2041	Mielke / Maxima / RMV / Corally		dec-17
EFRA2042	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power		dec-17
EFRA2046	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2052	NovaRossi		dec-17
EFRA2058	Capricorn / XRD / DB ENGINE TECHNOLOGY /CRF		dec-17
EFRA2068	Capricorn / XRD / DB ENGINE TECHNOLOGY	off road	dec-17
EFRA2069	RCE/Hipex/CRF		dec-17
EFRA2072	Arrow/Go-Engine		dec-16
EFRA2076	LRP/Nosram	off road	dec-17
EFRA2081	Alpha Plus	off road	dec-16
EFRA2083	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2084	NovaRossi		dec-17
EFRA2089	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power		dec-17
EFRA2093	TLR	off road	dec-16
EFRA2094	MAX		dec-17
EFRA2095	Hipex (low noise pipe)	on road	dec-16
EFRA2096	NovaRossi		dec-17
EFRA2098	OS Engines / CRF / Creation Model		dec-17
EFRA2099	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2102	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2104	REDS Racing	off road	dec-16
EFRA2105	Global Hobbies	off road	dec-16
EFRA2106	HsiChia Co. Ltd / Weiken / Beta	off road	dec-17

EFRA2107	Alpha Plus	off road	dec-16
EFRA2108	RCE/Hipex/FX		dec-16
EFRA2109	LRP/Nosram	off road	dec-17
EFRA2110	SST/Alpha/A-plus	on road	dec-17
EFRA2111	Force (FC) / Sworkz	off road	dec-17
EFRA2112	REDS Racing	off road	dec-17
EFRA2113	REDS Racing	on road	dec-17
EFRA2114	CRF / Orion		dec-17
EFRA2115	RCE/Hipex/OS Engines		dec-17
EFRA2116	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2118	Capricorn / XRD		dec-16
EFRA2119	Ultimate Engines	off road	dec-17
EFRA2120	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2121	STS		dec-16
EFRA2122	NR / R&B		dec-16
EFRA2123	ULTIMATE RACING	off road	dec-16
EFRA2124	R&B		dec-16
EFRA2125	Hipex		dec-16
EFRA2126	Hipex		dec-16
EFRA2127	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	off road	dec-16
EFRA2128	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	on road	dec-16
EFRA2129	Tesla		dec-16
EFRA2130	Alpha/Argus		dec-16
EFRA2131	FX	off road	dec-16
EFRA2132	REDS Racing		dec-17
EFRA2133	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2134	Alpha Plus / Argus		dec-17
EFRA2135	RCE/Hipex/OS Engines		dec-17
EFRA2136	Shengine		dec-17
EFRA2137	Dbengine		dec-17
EFRA2138	SSTech / JS / MIT / Soar / Go / Agama	off road	dec-17
EFRA2139	Tesla		dec-17
EFRA2140	SSTech / JS / MIT		dec-17

	1/10th MUFFLERS for 20??	type	valid till
EFRA2624	Mielke	on road	dec-17
EFRA2630	NovaRossi	on road	dec-17

EFRA2652	NovaRossi	on road	dec-17
EFRA2654	RCE/Hipex/Orcan	on road	dec-17
EFRA2660	NovaRossi	on road	dec-17
EFRA2662	Capricorn / XRD	on road	dec-16
EFRA2663	Mielke	on road	dec-17
EFRA2669	RCE/Hipex/CRF	on road	dec-17
EFRA2670	MAX	on road	dec-17
EFRA2671	Schepis Model , Boss, Sirio, Bliss	on road	dec-17
EFRA2672	OS Engines	on road	dec-17
EFRA2673	Hipex / RCE (low noise)	on road	dec-16
EFRA2674	REDS Racing	on road	dec-17
EFRA2675	RCE/Hipex	on road	dec-17
EFRA2676	Capricorn / XRD / DB ENGINE TECHNOLOGY	on road	dec-17
EFRA2678	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	on road	dec-17
EFRA2679	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	on road	dec-17
EFRA2680	R&B	on road	dec-16
EFRA2681	DB Engine	on road	dec-16
EFRA2682	Reds	on road	dec-16
EFRA2683	Tesla	on road	dec-16
EFRA2684	Gimar / JP	on road	dec-16
EFRA2685	DB Engine	on road	dec-16
EFRA2686	Tesla	on road	dec-17
EFRA2687	Tesla	on road	dec-17

	INS Boxes for 2016		
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