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Homologation Officer Mufflers 1/8th and 1/10th IC

Thailand, September 28st, 2024.

Procedure for EFRA Registration of Mufflers for 2025.

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 for tailpipe diameter is max 8.00mm.
- After examination of the drawing the manufacturer needs to send 1 complete working sample + 1 internal cone and disc (**mounted together**) to the homologation officer. See drawing on page 2.

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”, with no commercial value. The value mentioned on the PRO-FORMA invoice should not be higher as 20usd total, even if you send in more examples.** 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. This process does not include noise-tests, due to the number of variables that are responsible for the total amount of noise. Even changing the material(thickness) or adding a coating can make a change in the noise level, positive or negative. At the end the driver is responsible for his noise production and in case of a significant difference he may be requested by the race-director to change his muffler/manifold system or gearing.

If registered the EFRA approval number will be sent to the manufacturer 28th of February the latest. Manufactures are requested to pay attention to the engravement and make sure this is good visible, also after cleaning the mufflers a number of times.

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 can be downloaded from our website: www.efra.ws

Each registered muffler will 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 after the registration, 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.

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EUR IBAN SE 21 6000 0000 0000 43 202 799
USD IBAN SE 18 6000 0000 0000 43 202 659
Swift-Code: HANDSESS
Paypal @paypal.ws

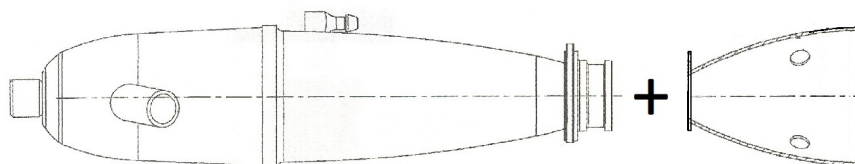
Registration fee is 120 Euros for a muffler and for a period of 2 years. EFRA associated members pay 60 Euros per muffler (50% discount). After 2 years you will be notified and asked if you want to renew the subscription.

On behalf of EFRA.

Sander de Graaf / EFRA Muffler Homologation Officer.

IMPORTANT:

Samples must be send to my address in Thailand, see top of this letter. 1 x complete muffler + 1 x cone/disc set.



Here under you will find the list with mufflers and the date the registration expires. **If you want to continue the muffler for another 2 years, please respond to this email so we can send you the invoice.** In case it is not renewed it will not be on the list for next year.

New mufflers will be accepted for 2025 conform the rules as descibed before. Please also check your OEM names for changing or adding new names. OEM names can be added or removed every period of 2 years.

| Engraved number | 1/8th MUFFLERS for 2024 | type | valid till |
|-----------------|---|----------|------------|
| EFRA9901 | NovaRossi/Gimar | | Dec-24 |
| EFRA2015 | NovaRossi/Gimar | | Dec-24 |
| EFRA2023 | SPM / Vega | | Dec-24 |
| EFRA2024 | SPM / Vega | | Dec-24 |
| EFRA2042 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2058 | Capricorn / XRD / DB ENGINE TECHNOLOGY /CRF | | Dec-24 |
| EFRA2068 | Capricorn / XRD / DB ENGINE TECHNOLOGY | off road | Dec-24 |
| EFRA2069 | Hipex | | Dec-24 |
| EFRA2089 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2094 | MAX | | Dec-24 |
| EFRA2095 | Hipex (low noise pipe) | on road | Dec-25 |
| EFRA2098 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2099 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower | | Dec-24 |
| EFRA2106 | HsiChia Co. Ltd / Weiken / Beta | off road | Dec-24 |
| EFRA2108 | Hipex | | Dec-25 |
| EFRA2109 | LRP/Nosram/Ongaro edition/WorksTeam Edition | off road | Dec-24 |
| EFRA2113 | REDS Racing | on road | Dec-24 |
| EFRA2115 | Hipex | | Dec-24 |

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|----------|---|----------|--------|
| EFRA2134 | Alpha / Argus | off road | Dec-24 |
| EFRA2135 | Hipex | | Dec-24 |
| 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-24 |
| EFRA2154 | OSEngines/Nemo Racing/RUDDOG/Victo Sport | off road | Dec-24 |
| EFRA2155 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S- Power/SMJ/RUDDOG/Victo Sport | off road | Dec-24 |
| EFRA2156 | Flash Point RC | off road | Dec-24 |
| EFRA2159 | Alpha / Argus | | Dec-25 |
| EFRA2160 | MSE | | Dec-25 |
| EFRA2163 | Capricorn/One | | Dec-25 |
| EFRA2164 | Max | | Dec-24 |
| EFRA2165 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S- Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2166 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON/SPower | off road | Dec-24 |
| EFRA2167 | Ruddog | off road | Dec-24 |
| EFRA2168 | FX | on road | Dec-24 |
| EFRA2169 | FX | offroad | Dec-24 |
| EFRA2170 | Tekno RC/BLOK | offroad | Dec-24 |
| EFRA2171 | ASM | | Dec-24 |
| EFRA2172 | iRacing | | Dec-24 |
| 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-24 |
| EFRA2184 | DB Engine | | Dec-24 |
| EFRA2185 | lelasi Tuned, with and without fixed header | on-road | Dec-24 |
| EFRA2186 | lelasi Tuned, with and without fixed header | off-road | Dec-24 |
| EFRA2187 | Nova | | Dec-24 |
| EFRA2188 | Hipex | | Dec-24 |
| EFRA2189 | ASM | | Dec-24 |
| EFRA2190 | Gimar | | Dec-24 |
| EFRA2191 | One / Capricorn | | Dec-24 |
| EFRA2192 | InTech Engine | | Dec-24 |
| EFRA2193 | InTech Engine | | Dec-24 |

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|----------|-------------------------------------|-----|--------|
| EFRA2194 | Force Racing, M master, Jetko Power | new | Dec-25 |
| EFRA2195 | Gimar / NR2015 | new | Dec-25 |
| EFRA2196 | OS Engines | new | Dec-25 |
| EFRA2197 | Hipex | new | Dec-25 |
| EFRA2198 | Genius | new | Dec-25 |
| EFRA2199 | Genius | new | Dec-25 |
| EFRA2200 | Radiosistemi | new | Dec-25 |

| Engraved number | 1/10th MUFFLERS for 2024 | type | valid till |
|-----------------|---|---------|------------|
| EFRA2660 | NovaRossi/Gimar | on road | Dec-24 |
| EFRA2669 | Hipex | on road | Dec-24 |
| EFRA2670 | MAX | on road | Dec-24 |
| EFRA2672 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | on road | Dec-24 |
| EFRA2673 | Hipex / low noise | on road | Dec-25 |
| EFRA2679 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON | on road | Dec-24 |
| 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-24 |
| EFRA2693 | Capricorn /One | on road | Dec-24 |
| EFRA2694 | Max power | on road | Dec-25 |
| EFRA2696 | FX | on road | Dec-24 |
| EFRA2697 | ASM | on road | Dec-24 |
| EFRA2698 | ASM | on road | Dec-24 |
| EFRA2699 | NOVA ENGINES | on road | Dec-25 |
| EFRA2700 | OS Engines | new | Dec-25 |
| EFRA2701 | Ielasi Tuned | new | Dec-25 |

| molded number | INS Boxes for 2024 | | |
|----------------|---|-------|--------|
| 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 |

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|----------------|-----------|-------|--------|
| EFRA-INS201401 | NovaRossi | 1/8th | 1/10th |
| EFRA-INS202301 | PiraniRC | 1/8th | 1/10th |
| EFRA-INS202401 | Dim3nsion | 1/8th | 1/10th |

Everything marked with this color yellow needs a renewal

Regards,
Sander de Graaf / EFRA muffler homologation officier