



**EFRA 1:8 IC track section Chairman:**

Sander de Graaf  
Beekmansbos 53  
1971 BX IJmuiden  
Netherlands

**Phone (Priv):** +31 255 515720, **(Fax):** +31 255 515720  
**Mobile:** +31 6 53178658, **Email:** eight.track@efra.ws

## EUROPEAN FEDERATION OF RADIO OPERATED MODEL AUTOMOBILES

Sander de Graaf, Beekmansbos 53, 1971 BX IJmuiden, Netherlands

### MUFFLERS UPDATED with INS BOXES V2.

IJmuiden, March 20th 2010.

Dear Sportfriend,

Enclosed the updated muffler list for the 2010 season. Some minor changes regarding names/brands etc. In the next weeks I will try to get all drawings from the mufflers on the EFRA website as PDF's, this will make it a little bit easier for technical inspections at the various races.

This will be the last season for the majority of these mufflers ( 1/8th class), since for 2011 we will need to have updated mufflers that will respect the new noise ruling.

I think a few of the specific off-road mufflers will also be valid for 2011, since they can meet the new specs, but for on-road none of the mufflers that are on the current list will make the new specifications.

One company is quite far with the new muffler and are making some final tests the nexts months. I hope we can show something in May or at least at the EC in Locorotondo.

With the INS box some of the 1/10th mufflers will also meet the new specs, but not ALL.

Enjoy your racing in 2010 and if some-one has some good ideas to bring the levels down, both in 1/8th and or in 1/10th please send us a message.

### 1/8 scale mufflers.

EFRA9901	Novarossi
EFRA2001	CRFrance
EFRA2004	CRFrance
EFRA2006	Novarossi
EFRA2011	Mielke / Thunder Tiger / RMV / Graupner / MSE
EFRA2012	BP
EFRA2015	NovaRossi
EFRA2017	Max Power
EFRA2018	Max Power / RB / Mega / Xceed
EFRA2020	R&B
EFRA2021	Schepis
EFRA2022	Axe Rossi
EFRA2023	SPM
EFRA2024	SPM Off-road
EFRA2029	Radiosistemi
EFRA2030	Radiosistemi
EFRA2031	Radiosistemi/JP
EFRA2032	Radiosistemi
EFRA2033	Picco / Mega / LRP / IDM
EFRA2034	Technokit/RCE/Hipex
EFRA2035	Thunder Tiger/Associated/Reedy
EFRA2036	Max Power

[www.efra.ws](http://www.efra.ws)

EFRA, General Secretary  
Willy Wuyts,  
Herentalssesteenweg 20,  
2220 Heist op den Berg, Belgium

Fax: +32 15241470  
Mobile: +32 477947109  
E-mail: secretary@efra.ws

International Bank Account Number  
IBAN: SE 21 6000 0000 0000 43 202 799  
Handelsbanken, Norrköping, Sweden  
Swift-Code: HANDSESS

EFRA2037	ATS
EFRA2039	Thunder Tiger/Associated/Reedy
EFRA2040	AxeRossi
EFRA2041	Mielke / Orcan / RMV / Xceed / MSE / Graupner / Ansmann / Thunder Tiger / Carson / Buggysport Racing
EFRA2042	OS Engines Mugen Seiki Ninja
EFRA2043	OS Engines
EFRA2045	R&B
EFRA2046	Picco / Mega / LRP / IDM
EFRA2047	Hong Nor
EFRA2048	Radiosistemi
EFRA2050	Axe Rossi
EFRA2051	R&R Non Solo Racing
EFRA2052	NovaRossi
EFRA2053	GRP Gandini
EFRA2054	GRP Gandini
EFRA2055	GRP Gandini
EFRA2056	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA2057	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA2058	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA2060	Shengine
EFRA2061	Mielke / Xceed / MSE
EFRA2062	Hongnor
EFRA2063	LRP / NOSRAM
EFRA2064	DI Monaco Model
EFRA2065	Orion
EFRA2066	Orion
EFRA2067	EDAM
EFRA2068	Capricorn
EFRA2069	RCE/Hipex/Gimar
EFRA2070	Mielke
EFRA2071	Team Losi
EFRA2072	Go Tech
EFRA2073	MAX
EFRA2074	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA3001	R&B
EFRA3002	R&B
EFRA3003	R&B
EFRA3004	NovaRossi
EFRA3005	NovaRossi
EFRA3006	NovaRossi
EFRA3007	NovaRossi
EFRA3008	GRP
EFRA3009	GRP
EFRA3011	BP
EFRA3012	Mielke / RMV / MSE / Orcan
EFRA3013	SPM
EFRA3014	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA3015	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM

EFRA3016	Hongnor
EFRA3017	Radio Sistemi
EFRA3018	Radio Sistemi
EFRA3019	Radio Sistemi
EFRA3020	Schepis
EFRA3021	Di Monaco
EFRA3023	VP Racing
EFRA3024	Max
EFRA3025	OS
EFRA3026	OS
EFRA3027	OS
EFRA3028	OS
EFRA3029	Team Orion CRF
EFRA3030	Team Orion CRF
EFRA3031	Picco / Mega / LRP / IDM
EFRA3032	Picco / Mega / LRP / IDM
EFRA3033	SH/Golden Lion
EFRA3034	RCE
EFRA3035	RCE
EFRA3036	JP
EFRA3037	LRP 36220
EFRA3038	LRP 36230 / NOSRAM
EFRA3039	LRP 36240
EFRA3043	OEM-EFRA3025
EFRA3044	OEM-EFRA3026
EFRA3045	OEM-EFRA3027
EFRA3046	OEM-EFRA3028
EFRA2075	Shengine / Dynamite / Horizon
EFRA2076	LRP / NOSRAM
EFRA2077	Ital Trading / EZ Power
EFRA2078	Max
EFRA2079	Max
EFRA2080	Hong Nor
EFRA2081	SSTech/Alpha
EFRA2082	Grossi
EFRA2083	Schepis / REDS / Boss
EFRA2084	NovaRossi
EFRA2085	Xray
EFRA2086	Dimonaco

**1/10<sup>th</sup> scale mufflers.**

EFRA 2501	Mielke / Carson / Ansmann / RMV/ MSE
EFRA2502	R&B
EFRA2503	NovaRossi/Mega
EFRA2504	Picco
EFRA 2505	CR France

EFRA2601	NovaRossi
EFRA2602	Max power
EFRA2603	Associated
EFRA2604	R&B
EFRA2606	RCCpower
EFRA2607	Picco / Mega / LRP / IDM
EFRA2608	Rossi, Axe
EFRA2609	Mugen
EFRA2610	Mielke
EFRA2611	Sirio by LM
EFRA2612	Sirio by LM
EFRA2613	Habbecke
EFRA2614	Schepis
EFRA2615	Max
EFRA2616	CR France
EFRA2617	IDM
EFRA2618	Technokit / Hipex / RCE
EFRA2619	Picco
EFRA2620	Radiosistemi
EFRA2621	ATS
EFRA2622	SPM
EFRA2623	Team magic
EFRA2624	Mielke / Orcan / Xceed / MSE
EFRA2625	Team Magic
EFRA2626	Mielke / Xceed
EFRA2627	R&R Non Solo Racing
EFRA2628	LRP
EFRA2630	NovaRossi
EFRA2631	GRP Gandini
EFRA2632	GRP Gandini
EFRA2633	GRP Gandini
EFRA2634	Team Orion
EFRA2635	Team Orion
EFRA2636	Team Orion
EFRA2637	Team Orion
EFRA2638	Team Orion
EFRA2639	Kyosho type A
EFRA2640	Kyosho type B
EFRA2641	Serpent Mega
EFRA2642	Vantage
EFRA2643	Fioroni
EFRA2644	LRP
EFRA2645	Graupner
EFRA2646	Graupner
EFRA2647	Orion
EFRA2648	Capricorn
EFRA2649	Max
EFRA2650	EDAM
EFRA2651	Picco / Mega / LRP / IDM
EFRA2652	NovaRossi

EFRA2653	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA2654	RCE/Hipex/GIMAR
EFRA2655	SchepisModel / Boss / REDS
EFRA2656	Orion
EFRA2657	OS speed / Mugen
EFRA2658	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM
EFRA3501	NovaRossi
EFRA2659	R&B
EFRA2660	NovaRossi
EFRA2661	Os-engines
EFRA2662	Capricorn
EFRA2663	Mielke / Orcan
EFRA2664	Max

**INS Boxes 2010 list.**

The new INS boxes will get a number, however this does not mean that all those boxes sold without a number are not valid anymore. It will take a few years before those boxes without a number have disappeared.

EFRA-INS200101	Serpent	original from 2001	1/8th	1/10th
EFRA-INS200201	Picco box, also sold by R&B	original from 2002	1/8th	1/10th
	Mielke / Mugen Seiki	original from 2004	1/8th	1/10th
EFRA-INS200701	NovaRossi	original from 2007	1/8th	1/10th
EFRA-INS200702	Mielke modified / Mugen Seiki	original 2007	1/8th	1/10th
EFRA-INS200901	NovaRossi / R&B	original 2009	1/8th	1/10th
EFRA-INS200902	Serpent / Xceed / Max / OS Speed	original 2009	1/8th	1/10th
EFRA-INS200903	modified NR (lower 200901)	original 2010	1/8th	1/10th
EFRA-INS201001	Hobby Pro / Team C	original 2010	1/8th	1/10th



Xceed EFRA-INS200902



NovaRossi EFRA-INS200903



Team C EFRA-INS201001

Regards,

Sander de Graaf

EFRA 1:8 Track Section Chairman and homologation officer.