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EUROPEAN FEDERATION OF RADIO OPERATED MODEL AUTOMOBILES

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MUFFLERS UPDATED with INS BOXES

IJmuiden, March 16th 2009.

Dear Sportfriend,

Enclosed the muffler list for the 2009 season with some final updating as regards names and INS boxes. 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. With the decision to go back to the old mufflers from the 2007 season and some new homologated mufflers, we now have a large number of mufflers on the list.

The noise level will be a little higher as in 2008, although the 3000 series of mufflers are still on the list, not many people will use them.

All manufacturers are working (I hope they do) on new designs based on 2007 muffler designs with an extra silencing unit on the tailpipe to bring the noise level down. It will not be easy, but it is important that we achieve a good noise level beginning of 2011. Some clubs in Europe have serious problems and more clubs will follow if EFRA does not try to comply with the environmental rules.

If that will finally mean that we will have to give up power, so will it be. It is important to bring that noise level down and we will push the manufacturer to show us some progress during this season and not wait till the end of 2010. Enjoy your racing in 2009 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.

EFRA 9901	Novarossi	EFRA2070	Mielke
EFRA2001	CRFrance	EFRA2071	Team Losi
EFRA2004	CRFrance	EFRA2072	Go Tech
EFRA2006	Novarossi	EFRA2073	MAX
EFRA2011	Mielke	EFRA2074	Sirio by LM
EFRA2012	BP	EFRA3001	R&B
EFRA2015	NovaRossi	EFRA3002	R&B
EFRA2017	Max Power	EFRA3003	R&B
EFRA2018	Max Power / RB	EFRA3004	NovaRossi
EFRA2020	R&B	EFRA3005	NovaRossi
EFRA2021	Schepis	EFRA3006	NovaRossi
EFRA2022	Axe Rossi	EFRA3007	NovaRossi
EFRA2023	SPM	EFRA3008	GRP
EFRA2024	SPM Off-road	EFRA3009	GRP
EFRA2029	Radiosistemi	EFRA3011	BP
EFRA2030	Radiosistemi	EFRA3012	Mielke
EFRA2031	Radiosistemi/JP	EFRA3013	SPM
EFRA2032	Radiosistemi	EFRA3014	Sirio by LM off-road
EFRA2033	Picco / Mega	EFRA3015	Sirio by LM onroad
EFRA2035	Thunder Tiger/Associated	EFRA3016	Hongnor
EFRA2036	Max Power	EFRA3017	Radio Sistemi
EFRA2037	ATS	EFRA3018	Radio Sistemi

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EFRA2040	AxeRossi	EFRA3019	Radio Sistemi
EFRA2041	Mielke	EFRA3020	Schepis
EFRA2042	OS Engines	EFRA3021	Di Monaco
EFRA2043	OS Engines	EFRA3023	VP Racing
EFRA2045	R&B	EFRA3024	Max
EFRA2046	Picco	EFRA3025	OS
EFRA2047	Hong Nor	EFRA3026	OS
EFRA2048	Radiosistemi	EFRA3027	OS
EFRA2050	Axe Rossi	EFRA3028	OS
EFRA2051	R&R Non Solo Racing	EFRA3029	Team Orion
EFRA2052	NovaRossi	EFRA3030	Team Orion
EFRA2053	GRP Gandini	EFRA3031	Picco
EFRA2054	GRP Gandini	EFRA3032	Picco
EFRA2055	GRP Gandini	EFRA3033	SH/Golden Lion
EFRA2056	Sirio by LM	EFRA3034	RCE
EFRA2057	Sirio by LM	EFRA3035	RCE
EFRA2058	Sirio by LM	EFRA3036	JP
EFRA2060	Shengine	EFRA3037	LRP 36220
EFRA2061	Mielke	EFRA3038	LRP 36230
EFRA2062	Hongnor	EFRA3039	LRP 36240
EFRA2063	LRP	EFRA3043	OEM-EFRA3025 OS
EFRA2064	DI Monaco Model	EFRA3044	OEM-EFRA3026 OS
EFRA2065	Orion	EFRA3045	OEM-EFRA3027 OS
EFRA2066	Orion	EFRA3046	OEM-EFRA3028 OS
EFRA2067	EDAM		
EFRA2068	Capricorn		
EFRA2069	RCE/Hipex		

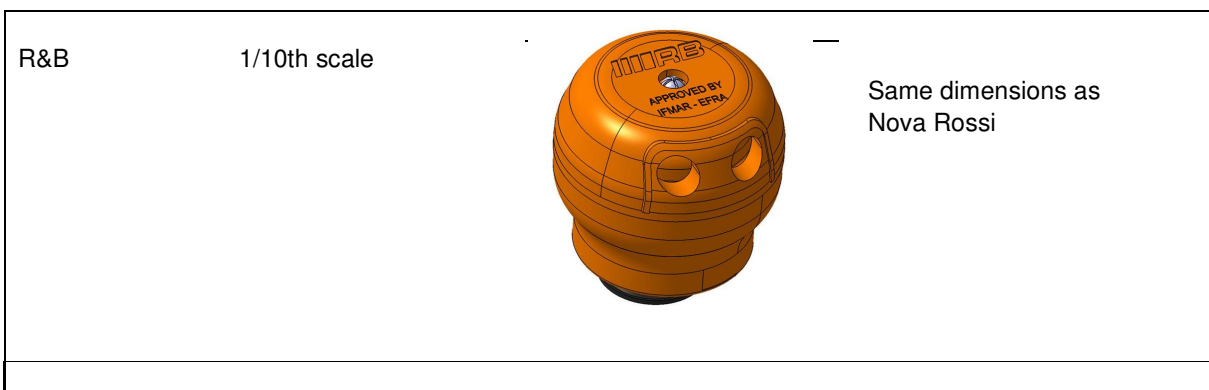
1/10th scale mufflers.

EFRA 2501	Mielke	EFRA2628	LRP
EFRA2502	R&B	EFRA2630	NovaRossi
EFRA2503	NovaRossi/Mega	EFRA2631	GRP Gandini
EFRA2504	Picco	EFRA2632	GRP Gandini
EFRA 2505	CR France	EFRA2633	GRP Gandini
EFRA2601	NovaRossi	EFRA2634	Team Orion
EFRA2602	Max power	EFRA2635	Team Orion
EFRA2603	Associated	EFRA2636	Team Orion
EFRA2604	R&B	EFRA2637	Team Orion
EFRA2606	RCCpower	EFRA2638	Team Orion
EFRA2607	Picco	EFRA2639	Kyosho type A
EFRA2608	Rossi, Axe	EFRA2640	Kyosho type B
EFRA2609	Mugen	EFRA2641	Serpent Mega
EFRA2610	Mielke	EFRA2642	Vantage
EFRA2611	Sirio by LM	EFRA2643	Fioroni
EFRA2612	Sirio by LM	EFRA2644	LRP
EFRA2613	Habbecke	EFRA2645	Graupner
EFRA2614	Schepis	EFRA2646	Graupner
EFRA2615	Max	EFRA2647	Orion
EFRA2616	CR France	EFRA2648	Capricorn

EFRA2617	IDM	EFRA2649	Max
EFRA2618	Technokit	EFRA2650	EDAM
EFRA2619	Picco	EFRA2651	Picco
EFRA2620	Radiosistemi	EFRA2652	NovaRossi
EFRA2621	ATS	EFRA2653	Sirio by LM
EFRA2622	SPM	EFRA2654	RCE/Hipex
EFRA2623	Team magic	EFRA2655	SchepisModel
EFRA2624	Mielke	EFRA2656	Orion
EFRA2625	Team Magic	EFRA2657	OS speed / Mugen
EFRA2626	Mielke	EFRA2658	Sirio by LM
EFRA2627	R&R Non Solo Racing	EFRA3501	NovaRossi

LM = LAVORAZIONI MECCANICHE.

INS boxes Overview		2009	
SERPENT	1/8th scale		
PICCO	1/8th scale		
Mielke	1/8th scale	1/10th scale	
Mielke modified	1/8th scale	1/10th scale	
Nova Rossi	1/8th scale		
Nova Rossi	1/10th scale		
SERPENT	1/10th scale		



Regards,

Sander de Graaf

EFRA 1:8 Track Section Chairman and homologation officer.