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## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-322-2 Relating to Certification of New Motor Vehicles

## SUN INTERNATIONAL RACING

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1995 model-year Sun International Racing exhaust emission control systems are certified as described below for passenger cars:

<u>Fuel Type</u>: Gasoline

Engine Family: SSN2.0VJGAEK Displacement: 2.0 Liters (122 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Warm-Up Three Way Catalytic Converter Dual Three Way Catalytic Converters Heated Oxygen Sensor

Sequential Multiport Fuel Injection

Turbocharger Charge Air Cooler

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (0.4)	
100,000	0.31 (n/a)	4.2 (n/a)	n/a	

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000	0.17	1.7	0.2
100,000	0.22	2.4	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles", pursuant to provisions in the said standards and test procedures applicable to small-volume manufacturers.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", pursuant to provisions in the said standards and test procedures applicable to small-volume manufacturers.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(3.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Assistant Division Chief Mobile Source Division

## 199 5 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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<b>Manufacturer</b>	: Sun Internation	nal Racing	Exh Er	ng Fam:	SSN2.OVJGAEK	Evan Fam: S	SN1400AYP02			
All Eng Code	s in Eng Fam: CA	\ 4	98	50S )	AB965		SITT TOOKIT OF			
Exh Std: CA	Tier-1 <u>X</u> Tl	.EV	LEV	ULEV	ZEV	; US EP	A Tier-O X			
Evap Std: 5	OK <u>X</u> Useful Li	ife with R	R/L1	n-Use E	xh Std: Full ]	_, In Use A'	lt In Use X			
Veh Class(es	): PC <u>X</u> LDT1_	LDT2	MDV	/1	MDV2_ MDV3	MDV4	MDV5			
Single Cert	Std for Multi-Cla	ss Eng Fa	m: <u>N/A</u>	 _(specif	y: N/A, LDT1,	MDV1, MDV2,	MDV3. MDV4)			
Fuel Type(s)	: Dedicated <u>X</u>	Flex-Fuel	Dual	-Fuel	Bi-Fuel	Gasoline_X	Diesel			
Fuel Type(s): Dedicated <u>X</u> Flex-Fuel Dual-Fuel Bi-Fuel Gasoline <u>X</u> Diesel CNG LNG LPG M85 Other (specify)										
Emiss Test Fuel(s): Indo X Ph2 CNG LPG M85 Other (specify)										
					FR 86.113-90					
Service Accur	m: Std AMA	Mod AMA	Mfr	ADP	Other (specif	y) N/A (As:	signed DFs)			
NMOG Test Pro	ocedure: N/A <u>X</u>	Std	Equiv_		R/L Test Proc:	SHED	t Source			
Hybrid: Type	e A B C,	APU Cyc	le (e.g.,	Otto,	Diesel, Turbine	·):				
Engine Config	guration: <u>I-4</u>	Displace	ment: <u>2.</u>	0 /	Liters <u>12</u>	2 / (	Subic Inches			
Valves per Cy	ylinder: <u>4</u>		Rate	d HP:	227	@ <u>5250</u>	RPM			
Engine: From	nt <u>X</u> Mid	Rear	Driv	e: FWD	RWD	4WD-FT_X	4WD-PT			
	(e.g., MFI, EGR,		LUITUA	A-T110						
			(u	se abbr	<u>HO2S, SFI, TC,</u> eviations per <b>S</b>	AE J1930 SEF	91)			
Ingine Code	Vehicle Models (if coded see			1	Ignition	EGR	Catalytic			
CA/49ST/50ST	attachment)	(M5, A4 etc.)	Test Wt.	or   RLHP	(ECM/PCM) Part No.	System Part No.	Converter Part No.			
							, , , , , , , , , , , , , , , , , , , ,			
N5E	Cosworth RS				SN COS E0201		SN COS			
						}	C0101			
							SN COS			
						1	C0202			
	Sport	M5	3000	11.0						
	Standard	M5	3250	11.0						
		i								
	Luxury	M5	3250	11.0						
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Date Issued:							/			
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Revisions: