State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-77 Relating to Certification of New Motor Vehicles

SAAB AUTOMOBILE AB

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 1997 model-year Saab Automobile AB exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VSA2.3VJGKFK <u>Displacement</u>: 2.3 Liters (140 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection Heated Oxygen Sensors (Two) Three Way Catalytic Converter Turbocharger Charge Air Cooler

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

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

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

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

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>	
50,000	0.12	1.7	0.1	6.7	
100,000	0.13	2.0	0.1	n/a	

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 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 models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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 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.

Executed at El Monte, California this 12 day of September 1996.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

E.O. # A-22-77

199 7 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

TEL:404 279 6336

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	: SAAB						1035 BYPA
All Eng Code	s in Eng Fam: CA	4	95	50S_X	AB965	_	
	Tier-1 <u>X</u> TL						
Evap Std: 5	OK <u>X</u> Useful Li	fe with R	/L I	n-Use E	xh Std: Full	In UseX A	lt In Use
Veh Class(es): PC <u>X</u> LDTI_	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	Flex-Fuel	Dual	-Fuel	Bi-Fue1	Gasoline <u>x</u>	_ Diesel
	CNG LNG	LPG	M85	Other (specify)		
Emiss Test F	uel(s): Indo <u>X</u>	Ph2	CNG L	PG	M85Other	(specify)	
	Diesel:	13 CCR 2	282	40 C	FR 86.113-90	40 CFR	86.113-94
Service Accu	m: Std AMA <u>X</u>	Mod AMA	Mfr	ADP	Other (speci	fy)	· <u>/</u>
NMOG Test Pr	ocedure: N/A <u>X</u>	Std	_ Equiv_		R/L Test Proc:	SHED	Pt Source
Hybrid: Typ	e A B C,	APU Cyc	le (e.g.,	Otto,	Diesel, Turbir	ie):	
Engine Confi	guration: <u>I4</u>	Displace	ment: <u>2</u> .	3 /	Liters	40/	Cubic Inches
Valves per C	ylinder: <u>4</u>		Rate	d HP:	200 /225	0 5500	RPM
Engine: Fro	nt <u>x</u> Mid	Rear	Driv	e: FWD	X RWD	4WD-FT	4WD-PT
	(e.g., MFI, EGR,		5=1.40	25(2), +	WC-TT CAC		
			์ (น	se abbr	eviations per	SAE J1930 SE	P91)
	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
	(if coded see attachment)	(M5, A4 etc.)	or Test Wt.	PIHP	(ECM/PCM) Part No.	System Part No.	Converter Part No.
B234L4	9000 CSE				747 € 180.	PAI C NO.	Part NO.
(50 sr)	HATCHBACK	M 5	3500	6.6			
	9:000 AERO	A4	2100	ar ar	47 80 250	N/A	45 26 869
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Date Issued:							

Revisions: