

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-81  
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 1998 model-year Saab Automobile AB exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: WSAXV02.3ND1 Displacement: 2.3 Liters (140 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection  
Heated Oxygen Sensors (two)  
Three Way Catalytic Converter

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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon 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>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.09	1.3	0.2	6.8
100,000	0.09	1.5	0.2	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent 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 vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, and the listed vehicle models comply with those standards.

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 are conditionally certified pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines") because the on-board diagnostic II system of the listed vehicle models has been determined to have three deficiencies. The listed vehicle models are approved subject to Saab Automobile AB paying a fine of fifty dollars (\$50) per vehicle for the third deficiency in the listed engine family that is produced and delivered for sale in California.

On a quarterly basis, the vehicle manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California under this conditional certification, and pay the full fine owed for that quarter pursuant to this conditional certification; payment shall be made payable to the State Treasurer for the deposit in the Air Pollution Control Fund no later than thirty days after the end of each calendar quarter during the 1998 model year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which all vehicles covered under the conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5,000 per vehicle pursuant to Health and Safety Code Section 43154.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index 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 29<sup>th</sup> day of September 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1  
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: SAAB Automobile AB Exh Eng Fam: WSAXV02.3ND1 Evap Fam: WSAXV0080Y01  
 All Engine Codes in Engine Family: CA 49S 50S X AB965, ORVR: YES X NO      
 Exh Std: CA Tier-1 X TLEV     LEV     ULEV     SULEV    , US EPA Tier-1 X  
 Veh Class(es): PC X LDT1     LDT2     MDV1     MDV2     MDV3     MDV4     MDV5      
 Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Fuel Type(s): Dedicated X Flex-Fuel     Dual-Fuel     Bi-Fuel     Gasoline X Diesel      
 CNG     LNG     LPG     M85     Other (specify)      
 Exh Emiss Test Fuel(s): Indo X CBG     CNG     LPG     M85     Other (specify)      
 Diesel: 13 CCR 2282     40 CFR 86.113-90     40 CFR 86.113-94      
 Evaporative Emission Test Procedure: California X Federal      
 Service Accum: Std AMA X Mod AMA     Mfr ADP     Other (specify)      
 NMOG Test Procedure: N/A X Std     Equip     R/L Test Proc: SHED     Pt Source X  
 Engine Configuration: I4 Displacement: 2.3 /     Liters 139.7 /     Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 150 @ 5700 RPM  
 Engine: Front X Mid     Rear     Drive: FWD X RWD     4WD-FT     4WD-PT      
 Exhaust ECS (e.g., MFI, EGR, TC, CAC): TWC, HO2S(Z), SFI  
 (use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
B234I3 (50ST)	900S Coupe	L4	3500	6.3	0 261 204 402	N/A	45 26 844 "
	900S HATCHBACK	M5	3500	6.3	(SAAB PART # 47 80 557)		
	900S CONVERTIBLE				0 261 204 401 (SAAB PART # 47 80 540)		

Date Issued:

Revisions: