State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-259-62
Relating to Certification of New Motor Vehicles

SUZUKI MOTOR CORPORATION

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 Suzuki Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: WSKXV1.59TNS Displacement: 1.6 Liters (97 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection
Three Way Catalytic Converter
Warm Up Three Way Catalytic Converter
Heated Oxygen Sensors (two)
Exhaust Gas Recirculation

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

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

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1998 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.051	0.5	0.1	0.0001	5.0
100,000	0.057	0.5	0.1	0.0002	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average NMOG exhaust mass emission requirements 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."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

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 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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 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 29th day of May 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

1998 MODEL YEAR AIR RESOURCE BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer: SUZUKI MOTOR CORP Exh Eng Fam: WSKXV1.59TNS EVAP Fam: WSKXE00952CA
All Engine Codes in Eng Fam: CA X 49S X 50S ___ AB965 ___ ORVR: YES ___ NO X
Exh Std: Tier 0 ___ Tier 1 ___ TLEV X LEV ___ ULEV ___ ZEV ___; 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: ___ (specify: N/A, LDT1, LDT2,MDV1,MDV2,MDV3,MDV4,MDV5)
Fuel Type (s): Dedicated ___ Flex-Fuel ___ Dual-Fuel ___ Bi-Fuel ___ Gasoline X Diesel ___
CNG ___ LNG ___ LPG ___ M85 ___ Other (specify) ___
Emiss Test Fuel (s): Indo ___ CBG X CNG ___ LPG ___ M85 ___ Other (specify) ___
Diesel: 13CCR 2282 ___ 40CFR 86.113-90 ___ 40CFR 86.113-94 ___
EVAP Emission Test Procedure: California ___ Federal X
Service Accum: Std AMA X Mod AMA ___ Mfr ADP ___ Other (specify) C/A Tier 1 data / ratios
NMOG Test Procedure : N/A ___ Std X Equiv ___ R/L Test Proc: SHED ___ Pt Source X
Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g. Otto, Diesel, Turbine) ___
Engine configuration: L4 (in line) Displacement: 1.6 Liter or 97 cubic inches
Valves per Cylinder: 4 Rated HP 98 @ 6,000 RPM
Engine: Front X Mid ___ Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT ___.
Exhaust ECS (eg., EGR, MFI, TC, CAC): SFI / HO2S / WU-TWC + TWC / EGR
(per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (re: p.21.00)	Trans type	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
CVTLM (CA,NY,MA,CT)	ESTEEM Sedan	M5	2625	7.5	33920-61GF0	18111-77E00	14240-60G00 (manifold) 14150-60G10 (under floor)
	ESTEEM Wagon		2750	6.8			
CVTLB (CA,NY,MA,CT)	ESTEEM Sedan	A4	2625	7.6	33920-61GG0		
	ESTEEM Wagon		2750	7.2			
FVCLM (Federal)	ESTEEM Sedan	M5	2625	7.5	33920-61GD0	18111-77E00	14240-60G00 (manifold) 14150-60G10 (under floor)
	ESTEEM Wagon		2750	6.8			
FVCLB (Federal)	ESTEEM Sedan	A4	2625	7.6	33920-61GE0		
	ESTEEM Wagon		2750	7.2			

Date Issued: 17MAR97
Revised: