State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-259-70
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 1999 model-year Suzuki Motor Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: XSKXT1.59LMA Displacement: 1.6 Liters (97 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

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

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

The non-methane organic gases (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.075	3.4	0.2	0.015	10.0
	100,000	0.090	4.2	0.3	0.018	n/a

Reactivity Adjustment factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1999 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.055	1.8	0.2	0.003	6.7
	100,000	0.068	2.9	0.2	0.003	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 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 the listed vehicle 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 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 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 28th day of July 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

17-N-1
E.O.# A-259-70

1999 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer: **SUZUKI MOTOR CORP** Exh Eng Fam: **XSKXT1.59LMA** EVAP Fam: **XSKXE00892JA**
All Engine Codes in Eng Fam: CA X 49S__50S ____ ORVR: YES_____NO__X____
Exh Std: Tier 0 ___ Tier 1__TLEV ____ LEV X ULEV ___ ZEV ___; US EPA NLEV Tier 1_____
EVAP Std : 50K ____ Useful Life with R/L____X____ In Use Exh Std: FULL In Use ____Alt In Use__X__
Veh Class(es): PC__LDT1__X__ LDT2 MDV1 __ MDV2 ____ MDV3 ____MDV4 ___ MDV5____
Single Cert Std for Multi-Class Eng Fam: NA (specify: N/A, LDT1, LDT2,MDV1,MDV2,MDV3,MDV4,MDV5)
Fuel Type (s): Dedicated X Flex-Fuel __ Dual-Fuel __ Bi-Fuel __ Gasoline X Diesel ____
CNG____ LNG ____ LPG ____ M85 ____ Other (specify) _____
Emiss Test Fuel (s): Indo __ Ph2 X CNG ____ LPG ____ M85____ Other (specify)_____
Diesel: 13CCR 2282 ____ 40CFR 86.113-90 ____ 40CFR 86.113-94 ____
EVAP Procedures: California _____ Federal ____X____
Service Accum: Std AMA ____ Mod AMA ____ Mfr ADP __X__ Other (specify)
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 Liters or 97 cubic inches
Valves per Cylinder: __4__ Rated HP_____97_____@____5,200____RPM
Engine: Front __X__ Mid ____ Rear ____ Drive: FWD __ RWD __ 4WD-FT _____4WD-PT __X__.
Exhaust ECS (eg., EGR, MFI, TC, CAC): SFI / HO2S(2) / WU-TWC / TWC / EGR
(per SAE J1930 SEP95)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (re: p.21.00)	Trans type	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
CTLNM (CA) Chevy	VITARA 2-door Tracker 2-door	M5 RWD	2875	12.5	33920-66D40	18111-77E00	14150-65D00 14150-80EA0
CTLNM (CA) Chevy	VITARA 2-door Tracker 2-door	M5 4WD	3000	13.0			
CTLNB (CA)	VITARA 2-door	L4 RWD	3000	12.5	33920-66D50	18111-77E00	14150-65D00 14150-80EA0
CTLNB (CA)	VITARA 2-door	L4 4WD	3125	13.0			

Date Issued: 11JUN98
Revised:

Application
Processed by: _____ Date _____ Reviewed By: _____ Date _____