State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-259-54
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 1997 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: VSK1.0V5G2EK Displacement: 1.0 Liters (61 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Throttle Body Fuel Injection
Heated Oxygen Sensors (Two)
Warm-Up Three Way Catalytic Converter
Three Way Catalytic Converter
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 1997 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	0.053	0.5	0.1	0.001	1.4
100,000	0.059	0.6	0.1	0.001	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 non-methane organic gas (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 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, 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."

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, 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 29th day of May 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-259-54

1997 MODEL YEAR AIR RESOURCE BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer: **SUZUKI MOTOR CORP** Exh Eng Fam: **VSK1.0V5G2EK** EVAP Fam: **VSK1030BYMA1**
All Engine Codes in Eng Fam: CA X 49S ___ 50S ____
Exh Std: Tier 0 ___ Tier 1 ___ TLEV X LEV ___ ULEV ___ ZEV ___; US EPA _____ Tier 1 _____
EVAP Std : 50K X Useful Life with R/L _____ In Use Exh Std: FULL In Use X Alt In Use _____
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 ___ Ph2 X CNG ____ LPG _____ M85 _____ Other (specify) _____
Diesel: 13CCR 2282 _____ 40CFR 86.113-90 ___ 40CFR 86.113-94 _____
Service Accum: Std AMA X Mod AMA _____ Mfr ADP ____ Other (specify) _____
NMOG Test Procedure : N/A _____ Std X Equiv _____ R/L Test Proc: SHED _____ Pt Source ____
Hybrid: Type A _____ B _____ C _____, APU Cycle (e.g. Otto, Diesel, Turbine) _____
Engine configuration: L3 (in line) Displacement: 1.0 Liters or 61 cubic inches
Valves per Cylinder: 2 Rated HP 55 @ 5,700 RPM
Engine: Front X Mid ___ Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT _____
Exhaust ECS (eg., EGR, MFI, TC, CAC): TBI / 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 or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
CVTBM (CA NY MA)	Metro (Hatchback)	M5	2125	7.5	33920-50GG	18111-86010	14150-51G00 14150-50G00

Date Issued: 31MAR96
Revised:

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