File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-259-54-A
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 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 16th day of January 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-259-54-A

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: **VSK1089AYME1**
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 _____ Useful Life with R/L_X___. 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_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 _____
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 __X__
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 (2) / 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-DMY1	18111-86010	14150-51G00 14150-50G00

Date Issued: 08NOV96 (RC4)
Revised: 09JAN97 (R6)

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