State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-155
Relating to Certification of New Motor Vehicles

ISUZU MOTORS LIMITED

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 Isuzu Motors Limited exhaust emission control systems are certified as described below for light-duty trucks:

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

Fuel Type: Gasoline

Engine Family: VSZ3.22JGKGK Displacement: 3.2 Liters (193 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters
Dual 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 gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) TLEV 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)
3751-5750	50,000	0.160	4.4	0.7	0.018	12.5
	100,000	0.200	5.5	0.9	0.023	n/a

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

The certification exhaust emission values set forth for 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:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.087	1.0	0.2	0.0001	10.3
	100,000	0.091	1.1	0.3	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 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 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 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 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 13th day of June 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O. # A-20-155

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

Manufacturer: ISUZU MOTORS LIMITED Exh Eng Fam: VSZ3.22JGKGK Evap Fam: VSZ1095AYMEO

All Eng Codes in Eng Fam: CA ___ 49S ___ 50S X AB965 ___

Exh Std: CA Tier-1 ___ TLEV X LEV___ ULEV___ ZEV___ ; US EPA Tier-1 X

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full in Use X Alt in Use___

Veh Class(es) : PC___ LDT1___ LDT2 X 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___ 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: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 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: V6 Displacement: 3.2 / ___ Liters 193 / ___ Cubic Inches

Valve per Cylinder: 4 Rated HP: 190 @ 5600 RPM

Engine: Front X Mid___ Rear___ Drive: FWD___ RWD X 4WD-FT___ 4WD-PT X

Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI, EGR, 2TWC, 2HO2S(2)
(use abbreviations per SAE J1930 SEP91)

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.
322KG-1 (50ST)	XK-R1 YK-R1 XK-R1H YK-R1H	A	4250	14.6	PCM 8162432590 8162653490 8162662590	8170961780	TWC 8971019575 8971019595
	XK-S1 YK-S1 XK-S1H YK-S1H		4500				

Vehicle Model
XK-R1 ; RODEO 2WD, P225 tire
XK-R1H; RODEO 2WD, P245 tire
XK-S1 ; RODEO 4WD, P225 tire
XK-S1H; RODEO 4WD, P245 tire
YK-R1 ; HONDA PASSPORT 2WD, P225 tire
YK-R1H; HONDA PASSPORT 2WD, P245 tire
YK-S1 ; HONDA PASSPORT 4WD, P225 tire
YK-S1H; HONDA PASSPORT 4WD, P245 tire

Date Issued: May 6, 1996

Revisions: 97B-02 97B-AC-02