Ben H. Checker

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-180
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 2000 model-year Isuzu Motors, Ltd. exhaust emission control systems are certified as described below for light-duty trucks:

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

Fuel Type: Gasoline

Engine Family: YSZXT03.52GK Displacement: 3.2 Liters (193 Cubic Inches)
3.5 Liters (213 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection
Exhaust Gas Recirculation
Dual Three Way Catalytic Converters
Dual Heated Oxygen Sensors (two)

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 (Title 13, California Code of Regulations, Section 1960.1):

Loaded Vehicle Weight (lb)	Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (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 non-methane organic gases (NMOG) reflect application of a 0.98-RAF for 2000 model-year TLEVs. The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lb)	Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
3751-5750	50,000	0.087	1.7	0.3	0.0002	10.1
	100,000	0.092	1.9	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 set forth in Title 13, California Code of Regulations, Section 1960.1 ("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 an 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 NMOG debits incurred 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 "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles;" and that 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 models also comply with the Board's high-altitude requirements and highway emission standards, and with the Inspection and Maintenance 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 "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 Vehicross vehicle model also complies 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 manufacturer is certifying the Passport, Amigo, and Rodeo vehicle models with a partially complying on-board diagnostic system for the aforementioned model-year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction- and Diagnostic-System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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.*).

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 Passengers Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

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 4th day of August 1999.

John Kowalski for

R. B. Summerfield, Chief
Mobile Source Operations Division