State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-116
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Isuzu Motors Limited 1993 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: PSZ2.3T2FBA8 Displacement: 2.3 Liters (138 Cubic Inches)

Exhaust Emission Control System & Special Features:

Secondary Air Injection
Three Way Catalytic Converter
Exhaust Gas Recirculation
Oxygen Sensor

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

The certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0-3750	50,000	0.39	9.0	0.7

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0-3750	50,000	0.28	4.0	0.4

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

BE IT FURTHER RESOLVED: That the listed vehicle models in the 0-3750 pound loaded vehicle weight (LVW) class are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models in the 0-3750 pound LVW class to the optional NOx standard based on its estimated total sales of 1992 model California-certified light-duty trucks in this LVW class and limited by its total actual sales of 1992 model California-certified light-duty trucks in this LVW class.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards, 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" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) 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 20th ~~day of~~ August, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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Manufacturer ISUZU MOTORS LIMITED Engine Family PSZ2.3T2FBA8

Passenger Car___(PC) Light-Duty Truck X (T1/~~T2~~) Medium-Duty Vehicle__(M1/M2/M3/M4/M5)

Stds Type: Tier 0(Tier 0/1,AB965,TLEV,LEV,ULEV) Veh.Type(FFV,HEV(type A/B/C)):_____

Fuel Type: Gasoline Evaporative Family: CAN-E

Engine Config. L4 Liter (CID) 2.3 (138)

Engine: Front X Mid.___ Rear___ Drive: FWD___ RWD X 4WD-FT___ 4WD-PT___

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) AIR, TWC, EGR, O2S~~, FFE, CARB~~
(Use abbreviations per SAE J1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or ~~RLHP~~	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
BA-1	KB-R1	M	3125	13.1	Distributor 8943413400	8941224780	8251316600
	KB-R2		3250				
	WB-R3		3500	14.7			

(Cert Std)

NMHC/CO/NOx/Evap.; 0.39/9.0/0.7/2.0

Vehicle Model KB-R1 ; PICKUP 2WD, Std cab short wheelbase
KB-R2 ; PICKUP 2WD, Std cab long wheelbase
KB-R3 ; AMIGO 2WD, P225 tire
KB-R3H; AMIGO 2WD, 10.5R tire