State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-93
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 1991 model-year Isuzu Motors Limited exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: MSZ3.1T5FKB3 Displacement: 3.1 Liters (191 Cubic Inches)

Equipped With the Following Exhaust Emission Control Systems:

Exhaust Gas Recirculation
Oxygen Sensor
Three-way Catalyst
Throttle Body Electronic Fuel Injection

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

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
3751-5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
3751-5750	0.34	4.7	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 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 Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with tthe "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 of California Health and Safety Code Section 43205.

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 24th day of May, 1990.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-20-93 Page ____

Manufacturer ISUZU MOTORS LIMITED Eng. Family MSZ3.1T5FKB3

Pass Cars ___ Lt-Duty Trucks X Med-Duty Vehicles ___ Fuel Type Gasoline

Eng. Type V6 Liter (CID) 3.1 (191) Evap. Family CAN-H

Emission Control Sys. & Special Features TWC, EGR, O2S, TBI
(Use abbreviations per SAE J1930 Jun 88)

Engine: Front X Mid. ___ Rear ___ Drive: FWD ___ RWD X 4WD-FT ___ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	~~RLHP or~~ DPA	Ign. Sys. (ECU/PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
KB-1	KJ-S1	M	3,750	14.7	ECU 8161243410	8170867200	8251280950
	XJ-R1		3,875	14.0			
	KJ-S3			14.7			
	KJ-S1H			15.3			
	KJ-S3H						
	XJ-S1		4,000	14.0			
	XJ-S1H			15.5			
KB-2	XJ-R1	A	3,875	14.1	ECU 8161243510		
	XJ-S1		4,000				
	XJ-S1H			14.7			

(Cert Std)

HC/CO/NOx/Evap.: 0.50/9.0/1.0/2.0

Vehicle Model		
	XJ-R1	: RODEO 2WD
	XJ-S1, XJ-S1H	: RODEO 4WD
	KJ-S1, KJ-S1H	: PICKUP 4WD, Standard cab
	KJ-S3, KJ-S3H	: PICKUP 4WD, Extended cab

Revisions: ETW of model XJ-R1 with manual transmission increased by RC91T03.

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