## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-20-147 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 Isuzu Motors Limited 1996 model-year exhaust emission control systems are certified as described below for light-duty trucks:

<u>Fuel Type</u>: Gasoline

Engine Family: TSZ3.22JGKEK Displacement: 3.2 Liters (193 Cubic Inches)

Exhaust Emission Control Systems & 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 certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle	<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon
Weight (lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20<sup>0</sup>F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

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

Loaded Vehicle	Miles	Non-Methane	Carbon	Nitrogen	Carbon
Weight ( <u>1bs.)</u>		<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20<sup>0</sup>F)</u>
3751-5750	50,000	0.13	1.2	0.4	11.4
	100,000	0.15	1.4	0.48	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 non-methane organic gas (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". ISUZU MOTORS LIMITED

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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" 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 manufacturer is certifying the listed 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)(6.1) ("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.).

ł

ISUZU MOTORS LIMITED

EXECUTIVE ORDER A-20-147 (Page 3 of 3)

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

ì

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this  $\frac{11}{10}$  day of September 1995.

mud

R. B. Summerfield Assistant Division Chief Mobile Source Division

17.07.00-4

E.O. # A-20-147

Page 1 of 11996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Evap Std: 50K <u>}</u> Exh Std: Tier-O_ Veh Class(es) : Single Cert Std Exh Cert Fuel(s)	Useful Li Tier-1 <u>X</u> PCLDT1 for Multi-Cla : Indo <u>X</u> Ph	fe with R/L TLEVLEV LDT2_X ss Eng Fam: 2Diesel:	Evap ULEV MDV1 <u>N/A</u> (spe 13 CCR 2	Engine ZEV MDV2 cify: 1 282	e Family: ; EPA Tio MDV3 N/A, LDT1, M or 40 CFR 8	TSZ1058A er-0T MDV4 DV1, MDV2, 6.113-90	<u>YMBO</u> ier-1 <u>X</u> MDV5 MDV3, MDV4 0r94
Fuel Type(s): De		GLPG lex-Fuel					
C	NGLNG	LPG Othe	r (specif	y)			·····
Hybrid: Type A	BC,	APU Cycle (e.	g., Otto,	Diese	l, Turbine)		
Engine Configura	ation: <u>V6</u>	Displacemen	t: <u>3.2 /</u>		Liters <u>19</u>	<u>3 / </u> 0	ubic inches
Engine: Front_)	(Mid	Rear	Drive:	FWD		4WU-FI	- 4WU-PI <u>X</u>
Exhaust ECS (eg.	., EGR, MFI, T	C, CAC):	(use abb	<u>SFI, E</u> reviat	GR, ZIWC, 2H ions per SAE	J1930 SEP	91)
figine Code Vo (also list ( CA/49ST/50ST)	ehicle Models if coded see attachment)	Trans. Type A-automatic M-manual	ETW or Test WT	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
322KE-1 (50ST)	UK-S3 UK-S1	- A	4500 4750		8162440890 8162440590	817096- 1780	8971208151 8971208161
	UK-S3 ZK-S1				8162652690 8162662390 8162652290 8162662490		
Vehicle Model	UK-S3: TROO	)PER 4WD, Long )PER 4WD, Show A SLX 4WD, Lo	rt Wheelba	ise		<u></u>	
Date Issued: 9	6B-02						

Revisons: 968-06 968-AC-02 968-AC-03