#### State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-20-138 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 1995 model-year Isuzu Motors Limited exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: SSZ3.22HGKHA <u>Displacement</u>: 3.2 Liters (193 Cubic Inches)

#### Exhaust Emission Control Systems & Special Features:

Multiport Fuel Injection Exhaust Gas Recirculation Heated Oxygen Sensor Three Way Catalytic Converter Warm Up Three-Way Catalytic Converter

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	Miles	Non-Methane	Carbon	Nitrogen	
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
3751-5750	50,000	0.32	4.4	0.7	
	100,000	0.40	5.5	n/a	

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

Loaded Vehicle Weight(lbs.) Miles		Non-Methane	Carbon	Nitrogen	
		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
3751-5750	50,000	0.19	2.0	0.4	
	100,000	0.23	2.3	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".

BE IT FURTHER RESOLVED: That under the submitted 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" (Title 13, California Code of Regulations, Section 2235) 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, 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" (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 Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 3th day of August, 1994.

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R. B. Summerfield
Assistant Division Chief
Mobile Source Division

### E.O. #\_ A-20-138

# 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: ISUZU MOTORS LIMITED			Exh Engine Family: SSZ3.22HGKHA				
Evap Std: 50K X Useful Life with R/L _					YM00		
Exh Std: Tier	-0Tier-1 <u>_X</u>	TLEVLEV	ULEV_	ZEV	; EPA Ti	er-0 T	ier-1 <u>X</u>
Veh Class(es)	: PCLDT1	LDT2 <u>X</u>	MDV1	MDV2	MDV3	MDV4	MDV5
Single Cert S	td for Multi-Cla	ss Eng Fam: _	N/A (spe	cify:	N/A, LDT1, M	DV1, MDV2,	MDV3, MDV4)
Exh Cert Fuel	(s): Indo Ph	2 <u>X</u> Diesel:	13 CCR 2	282	or 40 CFR 8	6.113-90	_ or -94
	M85 CN	GLPG	Other (s	pecify	)		
<pre>Fuel Type(s):</pre>	Dedicated <u>X</u> F						
	CNGLNG						
Hybrid: Type	A B C,	APU Cycle (e.	g., Otto,	Diese	l, Turbine)		
Engine Config	uration: <u>V6</u>	Displacemen	t: <u>3.2 /</u>		Liters <u>19</u>	3 / C	ubic Inches
	t <u>X</u> Mid						
Exhaust ECS (	eg., EGR, MFI, T	C, CAC):	MFI	, EGR,	HO2S, WU-TW	IC, TWC	1)
			(use appr	eviati	ons her sar	01330 3E13	1)
Engine Code	Vehicle Models				Ignition	EGR	Catalytic
(also list	(if coded see attachment)	A-automatic M-manual	or Test WT	DPA	(ECM/PCM) Part No.	System   Part No.	Converter Part No.
CA/4931/5031/		Newarida	1636 111		-	1	
322KH-1 (50ST)	XK-R1 YK-R1		4000		ECM 8162011490	894364- 8741	
				15.1			TWC
	XK-S1 YK-S1	М	4050				8971002280 WU-TWC
(5051)	XK-S1H		4250				8971002292
	YK-S1H						
	XK-R1		4000	14.5	ECM 8162011590		
	YK-R1						TWC
322KH-2 (50ST)	XK-S1	A	4250				8971002280 WU-TWC
	YK-S1 XK-S1H						8971002382
	YK-S1H						
11 b 1 . 1 . M - J - 1	VI D1 - DOD	NEO 2UD D226	+iva			·	1
Vehicle Model	XK-KI; KUL XK-S1; ROD	DEO 2WD, P225 DEO 4WD, P225	tire				
		DEO 4WD, P245 IDA PASSPORT 2		Tiro			
	YK-S1: HON	IDA PASSPORT 4	WD, P225	Tire			
•	YK-S1H; HON	IDA PASSPORT 4	IWD, P245	Tire			
Date Issued:				•			
Revisons:							