

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-124
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 1993 model Isuzu Motors Limited exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: PSZ3.2T5FHF6 Displacement: 3.2 Liters (193 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Heated Oxygen Sensor
- Multiport Fuel Injection
- Exhaust Gas Recirculation
- 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:

<u>Loaded Vehicle Weight (pounds)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
3751-5750	50,000	0.32	4.4	1.0
	100,000	0.40	5.5	N/A

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

<u>Loaded Vehicle Weight (pounds)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
3751-5750	50,000	0.20	1.6	0.4
	100,000	0.25	1.9	N/A

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "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, 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 vehicle models listed 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 regulations (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 27th day of October, 1992.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-20-124 Page 1 of 2Manufacturer ISUZU MOTORS LIMITED Engine Family PSZ3.2T5FHF6Passenger Car (PC) Light-Duty Truck X (T1/T2) Medium-Duty Vehicle (M1/M2/M3/M4/M5)Stds Type: Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV) Veh. Type (FFV, HEV (type A/B/C)): Fuel Type: Gasoline Evaporative Family: CAN-KEngine Config. V6 Liter (CID) 3.2 (193)Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT XExhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC, EGR, HO2S, MFI, WU-TWC
(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.
HF-1	XK-R1	M	4000	15.5	ECM 8161782990	8943648741	TWC 8970328812 WU-TWC 8970418721
	XK-S1 XK-S1H		4250				
HF-2	XK-R1	A	4000	16.0	ECM 8161782890	8943648741	TWC 8970328812 WU-TWC 8970472731
	XK-S1 XK-S1H		4500				

(Cert Std)

NMHC/CO/NOx/Evap.; (50K) 0.32/4.4/1.0/2.0
(100K) 0.40/5.5/ - / -Vehicle Model XK-R1; RODEO 2WD, P225 tire
XK-S1; RODEO 4WD, P225 tire
XK-S1H; RODEO 4WD, 10.5R tire