

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-112
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-year Isuzu Motors Limited exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PSZ1.6V5FHE1 Displacement: 1.6 Liters (97 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Warm Up Three-Way Catalytic Converter
- Three Way Catalytic Converter
- Exhaust Gas Recirculation
- Oxygen Sensor
- 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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.14	1.9	0.2
100,000	0.16	2.4	n/a

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

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 vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

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 17th day of July, 1992.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-20-112 Page of Manufacturer ISUZU MOTORS LIMITED Engine Family PSZ1.6V5FHE1Passenger Car X (PC) Light-Duty Truck (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-JEngine Config. L4 Liter (CID) 1.6 (97)Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS & Special Features (incl. CARB, MFI, etc.) WU-TWC, TWC, EGR, O2S, MFI
(Use abbreviations per SAE J1930 MY91)

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.
HE-2	TIF-R1	A3	2625	6.4	ECM 8161767890 8161810090	8970245200	TWC 8251432320 8970470600 WU-TWC 8970494500
	TCF-R4		2750	5.4			
HE-1	TIF-R1	M5	2625	6.4	ECM 8161767990 8161809990		
	TCF-R4		2625	5.4			

(Cert. std)

NMHC/CO/NOx/Evap.: (50k) 0.25/3.4/0.4/2.0
(100k) 0.31/4.2/ - / -Vehicle Model TIF-R1: Isuzu STYLUS, 4 Door Notchback
TCF-R4: Chevrolet STORM, 2 Door Coupe