State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-13
Relating to Certification of New Motor Vehicles

ISUZU MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Isuzu Motors Limited exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered light duty trucks:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
A1TC	111	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

Engine Family	Inertia Weight Class	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
A1TC	0-3999	0.26	4.9	1.3

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 except Motorcycles".

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 Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That Isuzu Motors Limited has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 28th day of September, 1979.

K. D. Drachand, Acting Chief
Mobile Source Control Division

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Engine Family A1TC Engine (CID) 111

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst
PAI-Pulse Air Injection
TR-Thermal Reactor
TWC-Three Way Catalyst

Special Features
CCAV-Combustion Chamber Air Valve
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbo Charged

Evaporative Emission Family: CAN-A

Models:

LUV-1 & -3	Two-wheel drive Pick-up
LUV-2	Two-wheel drive Chassis-Cab
LUV-4	Four-wheel drive Pick-up

LUV-1 - Short WB ("Short Bed") - 102.36" WB
LUV-3 - Long " ("Long Bed") - 117.91" WB

Issued: 092679.

051479

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☐ Passenger Cars ☒ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel

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Engine Code

Engine Family A1TC CID-Type 111 L-4

ECS (Special Features) OC, AI and EGR + 10% (A/C) Yes ____ No X

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System Distrib. Part No.	Fuel System Carb. Part No.	EGR Valve Part No.	Label Ident. Note(1)
TC-1	LUV-1 LUV-3	M-4	2,875	Nippon Denso Ltd. 8942199540	Hitachi Ltd. 8942173760	Automobile Parts Mfg. Co., Ltd. 8942123000	5000
	LUV-4		3,000				
TC-2	LUV-2		3,250	8942180170			6960
TC-3	LUV-1	A-3	2,875		8942173770		5000
	LUV-3		3,000				
	LUV-2		3,250				6960

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

Note (1): All Tune-Up Label part numbers begin with 894220.

Date of Issue - 092679.