

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-27  
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 1983 model-year Isuzu Motors Limited exhaust emission control systems are certified as described below for diesel-powered light-duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DSZ137K6JBD1	137 (2.2)	Exhaust Gas Recirculation (Diesel Injection - Prechamber)

Vehicle Models, Transmissions, Engine Codes as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.41	9.0	1.5

The following are the certification emission values for this engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.31	1.2	1.4

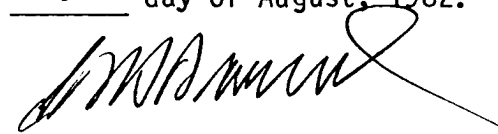
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 20<sup>th</sup> day of August, 1982.



K. D. Drachand, Chief  
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Isuzu Motors Limited Executive Order No. A-20-27 Page 1  
 Engine Family DSZ137K6JBD1 Evaporative Family NA  
 Engine CID (Liters) 137 (2.2)-L4

ABBREVIATIONS

Ignition System

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

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Models: Isuzu P'UP

P'UPD-1: Pick-up 2WD (Short wheel base)  
 P'UPD-3: Pick-up 2WD (Long wheel base)  
 P'UPD-4: Pick-up 4WD

DRIVE SYSTEM: Rear Wheel

## 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Isuzu Motors Limited E.O. #A -20-27

Engine Family DSZ137K6JBD1 CID (liter) - Type 137 (2.2)-L4

ECS (Special Features) EGR (DIP)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				Part No.	Part No.	Part No.	Part No.
KBD-1	P'UPD-1	M5 (M-2K)	3,000	NA	Diesel Kiki Co., Ltd.  8941002870	Jidosha Buhin Kogyo Co., Ltd.  8941144220	See tune up label  (Pg. 3)
	P'UPD-3		3,125				
	P'UPD-4	M4 (M-1E)	3,250				

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -  
visions:

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Engine Family DSZ137K6JBD1

Evaporative family NA

Engine CID (Liters) 137 (2.2)-L4

VEHICLE EMISSION CONTROL INFORMATION		ISUZU MOTORS LIMITED	NON-CATALYST
ENGINE FAMILY	DSZ137K6JBD1	SET PARKING BRAKE AND BLOCK DRIVE WHEELS.	FOR AND DIESEL
ENGINE DISPLACEMENT	137 CID (2.2L)	PLACE TRANSMISSION IN NEUTRAL.	INJECTION
IDLE SPEED	750(*850)RPM	MAKE IDLE SPEED ADJUSTMENT WITH ENGINE AT NORMAL OPERATING TEMPERATURE.	SEE SHOP MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION
INJECTION TIMING	15° BTDC	AIR CONDITIONER OFF IF INSTALLED AND AIR CLEANER INSTALLED.	
VALVE LASH (COLD)	IN 0.016 IN EXH 0.016 IN	IDLE SPEED SETTING PROCEDURE	
ADVERTISED HP (SAE NET)	62/4300 RPM	1. SET THE ENGINE TACHOMETER.	ENGINE TUNE UP APPLICABLE TO ANY ALTITUDES.
FUEL RATE AT ADV. HP	33.5 MM <sup>3</sup> /ST.	2. ADJUST IDLE SPEED ADJUSTING SCREW TO 750 (*850) RPM	
		* FOR AUTOMATIC TRANSMISSION.	
		THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1983 MODEL YEAR NEW MOTOR VEHICLES.	PT. NO. 8941035630

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