## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-20-43 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 1986 model-year Isuzu Motors Limited exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)	
GSZ138T2FDGX	138	(2.3)	Air Injection-Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop	

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.41	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.28	1.9	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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" (Title 13, California Administrative Code, 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 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 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 Administrative Code, Section 2035 et seq.) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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

day of January, 1985.

K. D. Drachand, Chief Mobile Source Division

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Manufacturer	Isuzu Motors	LIMITEU	Executive Order No.	A-20-43
Engine Family	GSZ138T2FDGX	<del></del>	Evaporative Family _	CAN-E
•			Engine CID (Liters)	138(2.3)
ABBREVIATIONS			•	
Ignition System		Exhaust	Emissions Control System	Special Features
CA-Centrifugal A EEC-Electronic E EI-Electronic Ig ESAC-Electronic Control VA-Vacuum Advanc VR-Vacuum Retard Fuel System FI, CL, DID, DII N-nVenturi Carbo VV-Variable Ventu	ngine Control nition Spark Advance e  P, EFI, MFI uretor	AIV-Air CL-Close EGR-Exh EM-Engil OC-Oxid TOC-Tra TOP-Tra TR-Theri	Injection-Pump Injection-Valve d Loop nust Gas Recirculation ne Hodification ation Catalyst System Oxidizer Continual Oxidizer Periodical nal Reactor e-Way Catalyst System	CCV-Combustion Chamber Val CFI-Central Fuel Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel Injection IC - Intercooler MFI-Mechanical Fuel Injection TC-Turbocharged
EHICLE MODELS:		Models:	Isuzu P'UP	
. ·		KG-1M: KG-2M: KG-3M: KG-4M: KG-5M: KG-6M:	Pick-up 2WD (Short Wheel Pick-up 2WD (Long Wheel Pick-up 2WD (Long Wheel Pick-up 4WD (Short Wheel Pick-up 4WD (Long Wheel Pick-up 4WD (Long Wheel	<pre>base) base, Extended Cab) base)</pre>
		Models:	Isuzu Trooper	
		UG-7M: UG-8M:	Special Purpose Vehicle Special Purpose Vehicle	
		Models:	Isuzu Trooper II	
		UG-7L : UG-8L :	Special Purpose Vehicle Special Purpose Vehicle	

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attachment)   Weight Distributor Carburetor	<u> </u>
Engine Code Vehicle Models (If Coded see attachment)  Trans. Equiv. Test Weight CA, VA, EI Distributor Part No. Part No. Part No. Part No. RG-2M  KG-3M  TWC, CL, AIP and EGR  Ign. System CA, VA, EI Distributor Part No. Part No. Part No. Part No. Part No. Part No. 8941367640	_
Engine Code (If Coded see attachment)  Trans. Equiv. Test Weight   Ign. System CA, VA, EI Distributor Part No.   Part No.	
Code	
TDG-11	nt.
KG-2M 3,000 8941672490 8941367640	Part No.
KG-3M M-5 8941367640	
0,200	•
KG-5M	
KG-6M 3,375 8941619730	
TDG-13 KG-1M A-3 2,875 8941367630 8941	500470
TDG-14 UG-7M	
UG-7L 8941367640	
TDG-15 UG-7M	
UG-7L M-5 3,625 8941367650	
UG-8L 8944281280	
UG-8M	

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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 -

- Refions: (A) ETW of KG-4M, KG-5M and KG-6M are changed under RC86T08 on 031585.
  - (B) Engine code TDG-14 is changed to TDG-15 under RC86T11 on 111185.
  - (C) Vehicle Model UG-8L and UG-8M are added under RC86T12 on 121085.