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## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-20-141

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

## ISUZU MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following 1995 model-year Isuzu Motors Limited diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Engine Displacement <u>Liters (Cubic Inches)</u>		Exhaust Emission Control Systems and Special Features		
SSZ3.9C6DARW	3.9	(235)	Turbocharger Charge Air Cooler		

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine <u>Family</u>	<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
SSZ3.9C6DARW	0.5	1.1	4.4	0.08

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted 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.).

Engines 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 attachments.

Executed at El Monte, California this day of September, 1994.

R. B. Summerfield / Assistant Division Chief Mobile Source Division

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## 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

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Manufacturer	ISUZU	MOTORS LIMITED	Engine	Family	SSZ3.906	DARW
		/				
Maximum Rated I	Power:	129 HP @	<u> 2800                                   </u>	l Engine	configuratio	n: I-4
Ignition: Comp	pression	Com	pression with	Glow Plug	X	Spark
Fuel Type(s): [	Dedicated	Flex-Fuel_	Dual-Fuel	Diese	1 <u>X</u> M100	M85
(	CNG LNG	LPG	Other (specif	y)		
		2282				
Primary Intende	ed Service C	lass: LHD_	X MHD	HHD	Urba	n Bus
Exhaust ECS (ir	ncl. MFI; TC	, CAC):	luca abbrevia	CAC, TC	E 11020 CEDO	1\
Engine Model (Eng. Code)	Rated HP @ RPM		Fuel Pump & Injector Part No.	ECM/PCM	Valve	PTOX / Catalyst Converter Part No.
4BD2-TC (39CAW-1)	129 HP 2800 RPM	80.1 mm³/stroke (50.4 lbs/hr)	8971033181	Not applicable	Not applicable	Not applicable

Date Issued: 95H-03 (June 30, 1994)

Revisions: