

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-200  
Relating to Certification of New Medium-Duty Motor Vehicle Engines

ISUZU MOTORS, LTD.

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

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following engine and exhaust emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds:

Emission Standard Category: Low-Emission Vehicle (LEV)

Model Year 2002

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
2SZXH06.63AK	6.6 (403)	Oxidation Catalytic Converter Exhaust Gas Recirculation Turbocharger Charge Air Cooler Direct Diesel Injection Engine Control Module

Engine models and codes are listed on attachments.

The following are the LEV certification exhaust emission standards for this engine family in grams per brake horsepower-hour under the Federal Test Procedure (FTP) for Heavy-Duty Diesel Engines (Title 13, California Code of Regulations, Section 1956.8):

	<u>Non-Methane Hydrocarbons + Oxides of Nitrogen</u>	<u>Carbon Monoxide</u>	<u>Particulate Matter</u>	<u>Formaldehyde</u>
"FTP"	3.0	14.4	0.10	0.050

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

	<u>Non-Methane Hydrocarbons + Oxides of Nitrogen</u>	<u>Carbon Monoxide</u>	<u>Particulate Matter</u>	<u>Formaldehyde</u>
"FTP"	2.8	0.6	0.09	0.013

BE IT FURTHER RESOLVED: That the listed engine models are certified to the LEV standards pursuant to Title 13, California Code of Regulations, Section 1956.8 (h) and the incorporated "California Exhaust Emission Standards and Test Procedures for 1985 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles," last amended June 4, 1997.

BE IT FURTHER RESOLVED: That the listed engine models shall be subject to the in-use compliance provisions applicable to 1995 and subsequent model-year medium-duty vehicle engines set forth in Title 13, California Code of Regulations, Section 2139 (c).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed engine models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

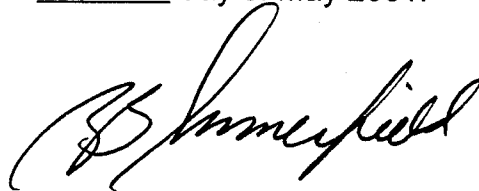
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Sections 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed engine models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965).

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 7<sup>th</sup> day of May 2001.



R. B. Summerfield, Chief  
Mobile Source Operations Division