

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-135

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 Isuzu Motors Limited 1995 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

| <u>Engine Family</u> | <u>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems and Special Features</u>                                |
|----------------------|------------------------------|---|
| SSZ7.1D6DAAA         | 7.1 (435)                    | Turbocharger<br>Charge Air Cooler<br>Oxidation Catalytic Converter<br>Engine Control Module |

Engine models and codes are listed on attachments.

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

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

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

| <u>Engine Family</u> | <u>Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Particulates</u> |
|----------------------|---------------------|------------------------|------------------------|---------------------|
| SSZ7.1D6DAAA         | 0.4                 | 2.5                    | 4.6                    | 0.07                |

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.).

ISUZU MOTORS LIMITED

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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 1st day of February, 1994.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

E.O.# A-20-135

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

Manufacturer ISUZU MOTORS LIMITED Engine Family SSZ7.1D6DAAA  
 Liters (CID) 7.1 (435) Fuel Type DIESEL Engine Config. I-6  
 Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) ECM, OC, CAC, TC, DPF  
 (Use abbreviations per SAE J1930 MAY91)

| Engine Model<br>(Eng. Code) | Rated HP<br>@ RPM  | Fuel Rate<br>@ Rated HP<br>mm <sup>3</sup> /stroke<br>(lbs/hr) | Fuel Pump<br>& Injector<br>P/N                                      | ECM/PCM<br>P/N | Part Trap/<br>Catalyst<br>P/N |
|-----------------------------|--------------------|--|---|----------------|-------------------------------|
| 6HE1XN<br>(71DAA-1)         | 197 HP<br>2500 RPM | 94.3<br>mm <sup>3</sup> /stroke<br>(78.6 lb/hr)                | Fuel Pump<br>8943954950<br>8943954960<br><br>Injector<br>8943946064 | 1815106220     | 8943943902                    |
| 6HE1XS<br>(71DAA-2)         | 227 HP<br>2500 RPM | 108.9<br>mm <sup>3</sup> /stroke<br>(90.7 lb/hr)               | Fuel Pump<br>8943954940<br><br>Injector<br>8943946064               | 1815106230     |                               |