State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-249

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

MITSUBISHI MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 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 emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2002

Fuel Type: Diesel

| Engine Family | Displacement Liters | Displacement Cubic Inches | Exhaust Emission Control Systems and Special Features |
|---|---|---|---|
| 2MTXH03.9D4A | 3.9 | 238 | Turbocharger<br>Charge Air Cooler<br>Electronic Control Module<br>Oxidation Catalytic Converter<br>Direct Diesel Injection |

Engine models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards (Title 13, California Code of Regulations, Section 1956.8) and certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

| | Total Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Particulate Matter |
|---|---|---|---|---|
| Standard | 1.3 | 15.5 | 4.0 | 0.10 |
| Certification | 0.4 | 2.6 | 3.8 | 0.09 |

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" for the aforementioned model year (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 28th day of March 2001.

R. B. Summerfield, Chief
Mobile Source Operations Division