

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-188

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

MITSUBISHI MOTORS CORPORATION

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 1996 model-year Mitsubishi Motors Corporation 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

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
TMT358D7DBAA	5.9 (358)	Turbocharger Oxidation Catalytic Converter Charge Air Cooler Engine Control Module

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>	<u>Carbon Monoxide</u>	<u>Nitrogen 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:

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
TMT358D7DBAA	0.5	2.5	4.7	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.).

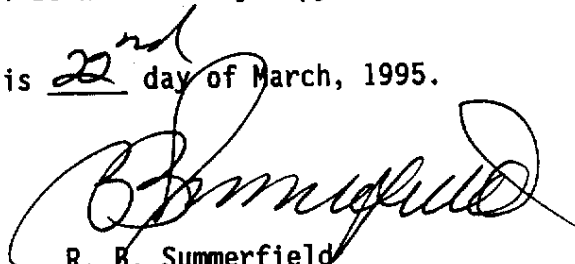
MITSUBISHI MOTORS CORPORATION

EXECUTIVE ORDER A-86-188  
(Page 2 of 2)

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 22<sup>nd</sup> day of March, 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL-STANDARD ENGINES

E.O. # A-86-188

Page     of    

Manufacturer Mitsubishi Motors Corporation Engine Family TMT358D7DBAA  
 Displacement: 5.9 Liters 358 Cubic Inches  
 Maximum Rated Power: 175 HP @ 2,900 RPM Engine Configuration: In-line, OHV, 4 cylinders  
 Ignition: Compression     Compression with Glow Plug x Spark      
 Fuel Type(s): Dedicated     Flex-Fuel     Dual-Fuel     Diesel x M100     M85      
                   CNG     LNG     LPG     Other (specify)      
 Diesel Cert Fuel: 13 CCR 2282     40 CFR 86.1313-90     40 CFR 86.1313-94 x  
 Primary Intended Service Class: LHD x MHD     HHD     Urban Bus      
 Exhaust ECS (incl. MFI, TC, CAC): OC, TC and CAC, ECM

(Use abbreviations per SAE J1930 Sept.91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm <sup>3</sup> / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
6D34T2-US96	175 HP 2,900 rpm	71 mm <sup>3</sup> /st. (69.5 lbs/hr)	I/P ME086780(M/T) ME086782(A/T)  I/N ME015202	ME883134	N/A	ME290190

Date Issued:

Revisions:

I/P : Fuel Injection Pump

I/N : Fuel Injection Nozzle