

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-139

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 Mitsubishi Motors Corporation 1992 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
NMM0302FAA0	5.0	302	Turbocharger Charge Air Cooler
NMM0238FAA0	3.9	238	Turbocharger Charge Air Cooler
NMM0460FAA6	7.5	460	Turbocharger Charge Air Cooler

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	0.25

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>
NMM0302FAA0	0.5	1.9	4.6	0.19
NMM0238FAA0	0.4	2.4	4.4	0.23
NMM0460FAA6	0.3	1.3	4.5	0.21

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 (Health and Safety Code Section 43205.5).

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 26<sup>th</sup> day of June, 1991.



R. E. Summerfield  
Assistant Division Chief  
Mobile Source Division

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESLHDDManufacturer MITSUBISHI MOTORS CORPORATION Engine Family NMM0302FAA0Liters (CID) 5.0 ( 302 ) Fuel Type Diesel Engine Config. In-line, OHVExhaust ECS & Special Features TC & CAC  
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part. Trap/ Catalyst Mfr. P/N k
6D31T2-US92	ME086683(M/T) ME086684(A/T)	ME015202	155 ph @3000	0.061	Not Applicable

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1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESLHDD

Manufacturer   MITSUBISHI MOTORS CORPORATION   Engine Family   NMM0238FAA0    
 Liters (CID)   3.9   (   238   ) Fuel Type   Diesel   Engine Config.   In-line, OHV    
 Exhaust ECS & Special Features \_\_\_\_\_ IC &   CAC    
 (Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part. Trap/ Catalyst Mfr. P/N k
4D34T3A-US92	ME015191(M/T)	ME015202	135 hp @3000	0.075	Not Applicable
4D34T3B-US92	ME015192(A/T)	ME015202	135 hp @3000	0.075	Not Applicable

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1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESMHDDManufacturer mitsubishi motors corporation Engine Family NMM0460FAA6Liters (CID) 7.5 ( 460 ) Fuel Type Diesel Engine Config. In-line, OHVExhaust ECS & Special Features \_\_\_\_\_ TC & CAC  
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part. Trap/ Catalyst Mfr. P/N k
6D16T2-US92	ME076768(M/T)	ME076809	220 hp @2600	0.098	Not Applicable
6D16T4-US92	ME076767(M/T) ME076766(A/T)	ME076809	190 hp @2600	0.087	Not Applicable

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