

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-1072

Relating to Certification of New Medium-Duty Motor Vehicle Engines

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43101, and 43102 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-45-9;

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) 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>
2GMXH06.5527	6.5 (395)	Turbocharger Oxidation Catalytic Converter Powertrain Control Module Indirect Fuel Injection

Engine models and codes are listed on attachments.

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

<u>Non-Methane Hydrocarbons + Nitrogen Oxides</u>	<u>Carbon Monoxide</u>	<u>Particulates</u>	<u>Formaldehyde</u>
3.0	14.4	0.10	0.050

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

<u>Non-Methane Hydrocarbons + Nitrogen Oxides</u>	<u>Carbon Monoxide</u>	<u>Particulates</u>	<u>Formaldehyde</u>
3.0	1.1	0.06	0.038

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 vehicles set forth in Title 13, California Code of Regulations, Section 2139(c).

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).

BE IT FURTHER RESOLVED: That the listed engine models comply with the on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1 ("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, Section 2035 et seq.).

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 11th day of May 2001.



R. B. Summerfield, Chief
Mobile Source Operations Division

Engine Model Primary Form

Manufacturer: General Motors Corporation
 Engine category: On-highway HDDE
 EPA Engine Family: 2GMXH06.5527
 Mfr Family Name: N/A
 Process Code: New Submission

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
1	L65	195@3400*	63.6	95.9	430@1800*	76.9	58.0	OC,TC,PCM,IFI

*SAE NET

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EO# A-6-1072
(Attachment)