State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-695

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, 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 1995 model-year General Motors Corporation Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,500 to 14,000 pounds:

Fuel Type: Gasoline

Engine Family	Engine Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
SGM4.3C5GAAA	4.3	(262)	Oxidation Catalytic converter Heated Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection
SGM5.7C5GAAA	5.7	(350)	Oxidation Catalytic Converter Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection
SGM7.4C5GAEA	7.4	(454)	Three-Way Catalytic Converter Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection

Engine models and codes are listed on attachments.

The certification exhaust emission standards for these engine families in grams per brake horsepower-hour are:

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
1.1	14.4	5.0

The certification exhaust emission values for these engine families in grams per brake horsepower-hour are:

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
SGM4.3C5GAAA	0.4	5.1	3.4
SGM5.7C5GAAA	0.6	9.9	2.8
SGM7.4C5GAEA	0.5	9.8	4.2

BE IT FURTHUR RESOLVED: That, pursuant to Title 13, California Code of Regulations, Section 1960.1(h)(1)(3), the listed engine models are certified to the exhaust emission standards applicable to 1994 model-year heavy-duty Otto-cycle engines (Title 13, California Code of Regulations, Section 1956.8).

BE IT FURTHUR RESOLVED: That the listed engine models comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Years..." (Title 13, California Code of Regulations, Section 1968).

BE IT FURTHUR RESOLVED: That the listed engine models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements - 1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

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 23rd day of February, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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17.00.00.00-9
(1995)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

LESS THAN 14,000 GVWR

Manufacturer: General Motors Corporation Executive Order No.: A-6-695

Engine Family: SGM4.3C5GAAA Exhaust Emission Control System: EGR/OC/HO2S/TBI

Liter (CID): 4.3 (262) Engine Config: V6

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (ECM/PCM) MFR PART NO.	FUEL SYSTEM (TBI) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
LB4 (1)	155 @ 4000	230 @ 2400	16200105 16200115	Rochester 17093045 17095124	17087026	25131438
LB4 (2)			16200125	17093045		

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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

LESS THAN 14,000 GVWR

Manufacturer: General Motors Corporation Executive Order No.: A-6-695

Engine Family: SGM5.7C5GAAA Exhaust Emission Control System: EGR/OC/02S/TBI

Liter (CID): 5.7 (350) Engine Config: V8

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (ECM/PCM) MFR PART NO.	FUEL SYSTEM (TBI) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
L05 (1)	190 @ 4000	300 @ 2400	16200545 16200555 16200565 16200575 16200585 16200595	Rochester 17092041 17093033 17093176 17095119	17087185	25131438 25131442 25131444
.05 (2)			16188715	Rochester 17093035 17093176		

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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

LESS THAN 14,000 GVWR

Manufacturer: General Motors Corporation Executive Order No.: A-6-695

Engine Family: SGM7.4C5GAEA Exhaust Emission Control System: EGR/TWC/O2S/TBI

Liter (CID): 7.4 (454) Engine Config: V8

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (PCM) MFR PART NO.	FUEL SYSTEM (TBI) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
L19 (1) 7.4L	230 @ 3600	385 @ 2200	16194675 16194685 16200645 16200655 16200685	Rochester 17094060 17094071	17094028	25143848 25130005 25131392 25130892 25130001

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