

State of California  
AIR RESOURCES BOARD

## EXECUTIVE ORDER A-6-737

## Relating to Certification of New Heavy-Duty Motor Vehicles

## GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43835 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 1996 model-year General Motors Corporation motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds are certified using the Otto-cycle engines listed below:

<u>Engine Manufacturer</u>	<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>		<u>Engine Model Year and Certification Executive Order No</u>	
General Motors Corporation	TGM5.7CPGAEA	5.7	(350)	1996	A-6-734
	TGM7.4C8GAEA	7.4	(454)	1996	A-6-734

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

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	5.0

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

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
TGM5.7CPGAEA	0.2	4.0	1.9
TGM7.4C8GAEA	0.3	8.9	2.2

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

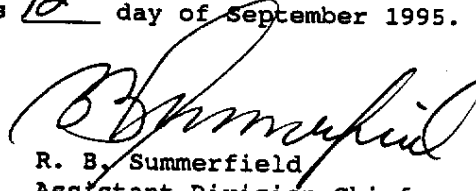
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2235) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles 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 12<sup>th</sup> day of September 1995.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY OTTO-STANDARD ENGINES

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM5.7CPGAEA  
 DISPLACEMENT: 5.7L 350 CUBIC INCHES  
 ALL ENG CODES IN ENG FAMILY: CA\_X 49S\_X 50S\_X VALVES/CYLINDER: 2  
 FUEL TYPE(S): DEDICATED\_X FLEX-FUEL\_\_\_ DUAL-FUEL\_\_\_ BI-FUEL\_\_\_ GASOLINE\_X CNG\_\_\_  
 LNG\_\_\_ LPG\_\_\_ M85\_\_\_ M100\_\_\_ OTHER (SPECIFY)\_\_\_\_\_  
 MAXIMUM RATED POWER: 245 HP @ 4400 RPM ENGINE CONFIGURATION: V8  
 EXHAUST ECS (E.G., OC, TWC, MFI, EGR, TC, CAC): 2TWC, SFI, EGR, 2HOLS(2)  
 (USE ABBREVIATIONS PER SAE J1930 SEP91)

<u>ENGINE MODEL (ENG CODE)</u>	<u>RATED HP @ RPM</u>	<u>IGNITION SYSTEM OR ECM/PCM P/N</u>	<u>FUEL SYSTEM INJECTOR &amp; PUMP P/N</u>	<u>EGR VALVE P/N</u>	<u>CATALYTIC CONVERTER P/N</u>
1 (3)	245 @ 4400	16213165+ 16187616 16187733 16187737 16187886 16187888	PART OF LOWER INTAKE MANIFOLD ASM 17096072	17096188	25160620: 2 USED
L31 (4)		16213165+ 16187614 16187887			

ISSUED: 07-20-95

REV. NO.:

1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DYTY OTTO-STANDARD ENGINES

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM7.4C8GAEA  
 DISPLACEMENT: 7.4L 454 CUBIC INCHES  
 ALL ENG CODES IN ENG FAMILY: CA X 49S X 50S X VALVES/CYLINDER: 2  
 FUEL TYPE(S): DEDICATED X FLEX-FUEL\_\_\_ DUAL-FUEL\_\_\_ BI-FUEL\_\_\_ GASOLINE X CNG\_\_\_  
 LNG\_\_\_ LPG\_\_\_ M85\_\_\_ M100\_\_\_ OTHER (SPECIFY)\_\_\_\_\_  
 MAXIMUM RATED POWER: 290 HP @ 4200 RPM ENGINE CONFIGURATION: V8  
 EXHAUST ECS (E.G., OC, TWC, MFI, EGR, TC, CAC): 2TWC, SFI, EGR, 2HO<sub>2</sub>S(2)  
 (USE ABBREVIATIONS PER SAE J1930 SEP91)

ENGINE MODEL (ENG CODE)	RATED HP @ RPM	IGNITION SYSTEM OR ECM/PCM P/N	FUEL SYSTEM INJECTOR & PUMP P/N	EGR VALVE P/N	CATALYTIC CONVERTER P/N
(3)	290 @ 4200	16177425+ 16187741 16187696 16187626 16192954	17096076	17096200	25160620: 2 USED
L29 (4)		16177425+ 16187629			

ISSUED: 07-20-95

REV. NO.: