

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-631

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

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-45-9;

IT IS ORDERED AND RESOLVED: That the following 1996 model-year Ford Motor Company Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Liquefied Petroleum Gas.

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
TFM7.0D1LARA (T7.0B)	7.0 (429)	Secondary Air Injection Exhaust Gas Recirculation

Engine models and codes are listed on attachments.

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

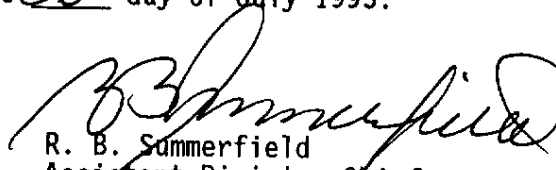
<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
SFM7.0D1LARA	0.4	19.2	2.4

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 20<sup>th</sup> day of July 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

E.O. # A-10-631

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY DUTY OTTO-CYCLE ENGINES

Manufacturer Ford Motor Company Engine Family TFM7.0D1LARA (T7.0B)  
Displacement: 7.0L /          Liter 429 /          Cubic Inches  
Maximum Rated Power: 218 HP @ 3600 RPM Engine Configuration V8  
Fuel Type(s): Dedicated\_\_ Flex Fuel\_\_ Dual-Fuel\_\_ Gasoline\_\_ Diesel\_\_ M100\_\_  
M85\_\_ CNG\_\_ LNG\_\_ LPG X Other (specify)           
Exhaust Control System and Special Features AIR, EGR, CARB  
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Engine Code)	Rated HP @ RPM	Ign. System or PCM (Dist) Part No. -12127-	Fuel System Carb Part No. -9510-	EGR Valve Part No. -9D475-	Catalyst Part No. -5E212-
5-87L-R10	218 @ 3600	F3HE-AA	F3HE-BA	F4HE-AA	NONE

Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for evaporative emission family identification.

Engine Family: T7.0B

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Issue Date: 4-24-95

Revised: 5-11-95