

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-770

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 1997 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: Gasoline

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
VFM6.8C8GAEA	6.8 (417)	Sequential Multiport Fuel Injection Heated Oxygen Sensor Three Way Catalytic Converter 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:

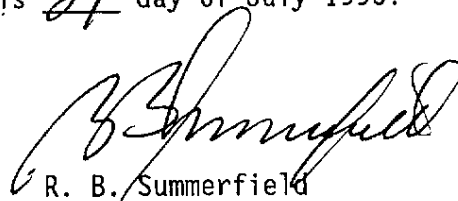
<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
VFM6.8C8GAEA	0.08	4.1	0.1

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 *29<sup>th</sup>* day of July 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

E.O. # A-10-770

**1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY DUTY OTTO-CYCLE ENGINES**

Manufacturer: Ford Motor Company Engine Family: VFM6.8C8GAEA (V6.8C)

Displacement: 6.8L /          Liter 417 /          Cubic Inches

All Eng Codes in Eng Family: CA          49S          50S X

Fuel Type(s): Dedicated X Flex Fuel          Dual-Fuel          Bi-Fuel          Gasoline X CNG           
LNG          LPG          M85          M100          Other (specify)         

Maximum Rated Power: 265 HP @ 4250 RPM Engine Configuration V10

Exhaust Control System and Special Features TWC, HO2S, EGR, SFI  
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Engine Code)	Rated HP @ RPM	Ign. System or PCM  Part No.	Fuel System Injtr  Part No.	EGR Valve  Part No.	Catalyst  Part No.
7-06J-R06	265 @ 4250	-12A850-	-9F593-	-8D475-	-5E212-
		F7UF-XC	F6VE-AA	F75E-CA	F7US-AB

Comments: SEE 20.09.17.02.00-2 for evaporative emission family identification.

Engine Family: V6.8C

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Issue Date: 7-08-96  
Revised: 7-24-96 7-25-96