

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-765

Relating to Certification of New Medium-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) of 8,501 to 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>
VFM7.5W8G1EK	7.5 (460)	Secondary Air Injection Dual Heated Oxygen Sensors Exhaust Gas Recirculation Three Way Catalytic Converter Sequential Multiport Fuel Injection

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>Non-Methane Hydrocarbons + Nitrogen Oxides</u>	<u>Carbon Monoxide</u>
3.9	14.4

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

<u>Engine Family</u>	<u>Non-Methane Hydrocarbons + Nitrogen Oxides</u>	<u>Carbon Monoxide</u>
VFM7.5W8G1EK	2.5	4.4

BE IT FURTHER RESOLVED: That the listed engine models are certified to the optional standards and test procedures applicable to incomplete and diesel medium-duty vehicles of 8,501 to 14,000 pounds GVWR pursuant to Title 13, California Code of Regulations, Section 1956.8(g).

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

BE IT FURTHER RESOLVED: That the listed engine models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed engine models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 30<sup>th</sup> day of April 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

E.O. # A-10-765

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
INCOMPLETE MEDIUM-DUTY VEHICLE ENGINES CERTIFICATION  
USING HEAVY-DUTY OTTO ENGINE TEST PROCEDURES

Manufacturer Ford Motor Company Engine Family VFM7.5W8G1EK (V7.5W)

Displacement: 7.5 Liters 460 Cubic Inches  
Maximum Rated Power: 245 HP @ 4000 RPM Engine Configuration: V-8

Cert Std: Tier-0  Tier-1  LEV  ULEV  Engine Intended Service Class: M4  M5   
Fuel Type(s): Dedicated  Flex-Fuel  Dual-Fuel  Gasoline  M100   
CNG  LNG  LPG  Other (specify) \_\_\_\_\_

Exhaust ECS (e.g., MFI,TC,CAC, etc.) AIR/EGR/ SFI/TWC(REDOX), 2(H<sub>2</sub>O<sub>2</sub>)  
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Engine Code)	Rated HP @ RPM	Ign. System or PCM	Fuel System Injtr	EGR Valve	Catalyst
		Part No. -12A650-	Part No. Part No. Part No.	Part No.	Part No.
7-97P-R00	245 @ 4000	F6TF-JA	F1TE-DA	F6TE-CA	F6TA-HE F7TA-UA (Alt) F7TA-UB (Alt)
7-98P-R00	242 @ 4000	F6TF-KA	"	"	"
7-98T-R00	245 @ 4000	F6UF-LA	"	"	"

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

Engine Family: V7.5W

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Issue Date: 4-09-96  
Revised: