

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-803  
Relating to Certification of New Medium-Duty Motor Vehicles and 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 1999 model-year Ford Motor Company Otto-cycle engines are certified for use in medium-duty vehicles with a manufacturer's gross vehicle weight rating (GVWR) between 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>
XFMXH06.8TB5	6.8 (417)	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>
XFMXH06.8TB5	0.4	1.9

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 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.).

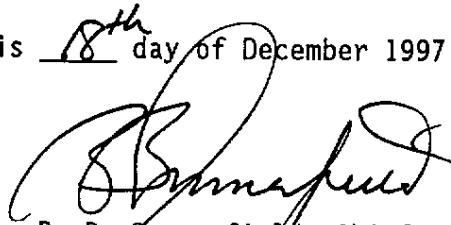
BE IT FURTHER RESOLVED: That the listed engine models comply with the on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1 ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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

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 18<sup>th</sup> day of December 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

**1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
MEDIUM DUTY ENGINES  
(CERTIFIED USING HEAVY-DUTY ENGINE TEST PROCEDURES)**

Manufacturer: Ford Motor Company Engine Family: XFMXH06.8TB5  
 Displacement: 6.8L /      Liter 417 /      Cubic Inches  
 All Eng Codes in Eng Family: CA X 49S      50S       
 Fuel Type(s): Dedicated      Flex Fuel      Dual-Fuel      Bi-Fuel      Gasoline X CNG       
                   LNG      LPG      M85      M100      Other (specify)       
 Maximum Rated Power: 275 HP @ 4250 RPM Engine Configuration V10  
 Exhaust Control System and Special Features TWC, 2HO2S, EGR, SFI  
 (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. -9F593-	Part No. -9D475-	Part No. -5E212-
9WAA-BCB	275 @ 4250	XC3F-BCB	XW7E-AB	F75E-CA	F81A-CA
9WAA-BLB	275 @ 4250	XC3F-BGB	XW7E-AB	F75E-CA	F81A-CA
9WAA-BYB	275 @ 4250	XC3F-CDB	XW7E-AB	F75E-CA	F81A-CA
9WAA-BZB	275 @ 4250	XC3F-CEB	XW7E-AB	F75E-CA	F81A-CA

Comments:

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Engine Family: XH6.8TB5