

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER P-10-87  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Ford Motor Company federally certified exhaust emission control systems are certified for sale in California as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: XFMXT05.42BF Displacement: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Dual Three Way Catalytic Converters (three)  
Dual Heated Oxygen Sensors (two)  
Exhaust Gas Recirculation  
Sequential Multiport Fuel Injection  
Supercharger

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMHC</u>	<u>CO</u>	<u>NOx</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMHC</u>	<u>CO</u>	<u>NOx</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.13	0.7	0.05	2.9
	100,000	0.15	0.8	0.05	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gases (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emission credits for its estimated California sales of federally certified 1998 model vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles for Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also 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).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves 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.).

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 attachment.

Executed at El Monte, California this 25<sup>th</sup> day of February 1999.



R. B. Summerfield, Chief  
Mobile Source Operations Division

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer Ford Motor Company Exh. Eng. Fam.: XFMXT05.42BF Evap. Fam.: XFMXE0155BAF  
 Engine Code Types: CA \_\_\_ 49S \_\_\_ 50S \_\_\_ AB965 \_\_\_ XXX ORVR: Yes \_\_\_ No XXX  
 Exhaust Std: CA Tier-1 \_\_\_ TLEV \_\_\_ LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_ U.S. EPA TIER-1 XXX  
 Vehicle Class(es): PC \_\_\_ LDT1 \_\_\_ LDT2 XXX MDV1 \_\_\_ MDV2 \_\_\_ MDV3 \_\_\_ MDV4 \_\_\_ MDV5 \_\_\_  
 Single Cert Std for Multi-Class Eng Fam: \_\_\_ (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Exhaust Emiss. Test Fuel: Indolene Clear XXX CBG \_\_\_ Fuel Type: Dedicated Gasoline XXX  
 Evaporative Emission Test Procedure: California \_\_\_ Federal XXX  
 Service Accumulation: Std AMA \_\_\_ Mod AMA \_\_\_ Mfr ADP \_\_\_ Other EUL  
 NMOG Test Procedure: N/A X Std \_\_\_ Equiv \_\_\_ R/L Test Procedure: SHED \_\_\_ Pt. Source XXX  
 Engine Configuration V-8 Displacement: 5.4 L (326 in<sup>3</sup>)  
 Valves/Cyl: 02 Rated HP: 360 @ 4750 RPM  
 Engine: Front XXX Mid \_\_\_ Rear \_\_\_ Drive: Fwd \_\_\_ RWD XXX 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust Control System and Special Features EGR/SFI/2TWC(2), 2HO2S(2)/SC  
 (Use abbreviations per SAE J1930 SEP91)

EngineCode (California)	Vehicle Models	Trans.		Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto	M-Man			
9VZAAKAA	F150 4X2 RKS	A4	5000	14.4	XL3F-AGA	XL3E-CA XL3V-AA (LH) (alt) XL3V-BA XL3V-AA (RH) (alt) XL3V-BA

F150 Pickup 2WD

Engine Family: XFMXT05.42BF

Issued:

Revised:

FEB 11 1999

20.09.17.02 - 1