State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-840
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 exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type (Certification Fuel): Gasoline (Indolene)

Engine Family: XFMXT04.02GF Displacement: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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

The non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	n/a

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

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.095	1.1	0.2	0.002	2.3
	100,000	0.121	1.6	0.2	0.002	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 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 vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

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 Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated 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 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 the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated 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 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.).

BE IT FURTHER RESOLVED: That the listed vehicle 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.

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 day of August 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-840

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

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXT04.02GF Evap. Fam.: XFMXE0120BAE

All Engine Codes in Engine Family: CA_ 49S____ 50S XXX AB965____ ORVR: Yes____ No XXX

Exhaust Std: CA Tier-1___ TLEV____ LEV XXX ULEV____ SULEV____ U.S. EPA CFV: LEV NLEV: LEV

Vehicle Class(es): PC___ LDT1___ LDT2 XXX MDV1___ MDV2___ MDV3__ MDV4___ MDV5____

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A,LDT1,MDV1,MDV2,MDV3,MDV4)

Fuel Types: Dedicated X Flex-Fuel____ Dual-Fuel____ Bi-Fuel____ Gasoline XXX Diesel____

CNG____ LNG____ LPG____ M85____ Other (specify)_____

Exhaust Emission Test Fuel(s): INDO XXX CBG___ CNG____ LPG____ M85____ Other (specify)____

Diesel: 13 CCR 2282____ 40 CFR 86.113-90____ 40 CFR 86.113-94____

Evaporative Emission Test Procedure: California_____ Federal XXX

Service Accumulation: Std AMA____ Mod AMA____ Mfr ADP XXX Other (specify)____

NMOG Test Procedure: N/A___ Std XXX Equiv____ R/L Test Procedure: SHED____ Pt.Source XXX

Engine Configuration V-6 Displacement: 4.0 Liters 244 Cubic Inches

Valves per Cylinder: 2 Rated HP: 205 @ 5000 RPM

Engine: Front XXX Mid____ Rear____ Drive: Fwd____ RWD XXX 4WD-FT X 4WD-PT____

Exhaust ECS (e.g., MFI, EGR, TC, CAC): 2TWC, 2HO2S(2), EGR, SFI
(Use abbreviations per SAE J1930 SEP91)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9NEABAAA	Explorer 4x2	A (L5)	4250	*	XL2F-MA	F77E-FA	XL24-5G218-BA (RH) XL24-5G218-BB (RH - alt XL24-5E214-BA (LH)
9NEABAAA	Explorer 4x4	A (L5)	4500	*	"	"	"
9NEABAAA	Explorer 4x4	A (L5)	4750	*	"	"	"
9NEABAAA	Mountaineer 4x2	A (L5)	4500	*	"	"	"
9NEABAAA	Mountaineer 4x4	A (L5)	4750	*	"	"	"

DPA Summary

Explorer/Mountaineer 4x2	DPA
P225/70R15 Tires	11.9
All Other Tires	12.4

Explorer/Mountaineer 4x4	DPA
All Tires	13.3

Engine Family: XFMXT04.02GF

Issued: August 14, 1998
Revised:

E.O.# A-10-840

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

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All Engine Codes in Engine Family: CA_ 49S____ 50S XXX AB965____ ORVR: Yes____ No XXX

Exhaust Std: CA Tier-1___ TLEV____ LEV XXX ULEV____ SULEV____ U.S. EPA LEV XXX

Vehicle Class(es): PC___ LDT1___ LDT2 XXX MDV1___ MDV2___ MDV3__ MDV4___ MDV5____

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A,LDT1,MDV1,MDV2,MDV3,MDV4)

Fuel Types: Dedicated X Flex-Fuel____ Dual-Fuel____ Bi-Fuel____ Gasoline XXX Diesel____

CNG____ LNG____ LPG____ M85____ Other (specify)_____

Exhaust Emission Test Fuel(s): INDO XXX CBG___ CNG____ LPG____ M85____ Other (specify)____

Diesel: 13 CCR 2282____ 40 CFR 86.113-90____ 40 CFR 86.113-94____

Evaporative Emission Test Procedure: California_____ Federal XXX

Service Accumulation: Std AMA____ Mod AMA____ Mfr ADP XXX Other (specify)____

NMOG Test Procedure: N/A___ Std XXX Equiv____ R/L Test Procedure: SHED____ Pt.Source XXX

Engine Configuration V-6 Displacement: 4.0 Liters 244 Cubic Inches

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(Use abbreviations per SAE J1930 SEP91)

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9NEA BAF	Explorer 4x4	A (L5)	4500	*	"	"	"
9NEA BAF	Explorer 4x4	A (L5)	4750	*	"	"	"
9NEA BAF	Mountaineer 4x2	A (L5)	4500	*	"	"	"
9NEA BAF	Mountaineer 4x4	A (L5)	4750	*	"	"	"

DPA Summary

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Explorer/Mountaineer 4x4	DPA
All Tires	13.3

Engine Family: XFMXT04.02GF

Issued: October 27, 1998
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