State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-841
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: Gasoline

Engine Family: XFMXT04.22GC Displacement: 4.2 Liters (256 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters (two)
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

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1999 model-year LEVs. 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	0.057	0.7	0.1	0.001	1.4
	100,000	0.066	0.8	0.1	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 12th day of June 1998.

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.: XFMXT04.22GC Evap. Fam.: XFMXE0155BAE

Engine Code Types: CA XXX 49S___ 50S___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1___ TLEV___ LEV XXX ULEV___ ZEV___ U.S. EPA TIER-1___

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: CBG XXX Fuel Type: Gasoline XXX

Evaporative Emission Test Procedure: California_____ Federal XXX

Service Accumulation: Std AMA_____ Mod AMA___ Mfr ADP XXX Other____

NMOG Test Procedure: N/A___ Std XXX Equiv_____ R/L Test Procedure: SHED_____ Pt.Source XXX

Engine Configuration V-6 Displacement: 4.2 L (256 in³)

Valves/Cyl: 02 Rated HP: 205 @ 4400 RPM

Engine: Front XXX Mid____ Rear____ Drive: Fwd___ RWD XXX 4WD-FT___ 4WD-PT____

Exhaust Control System and Special Features 2TWC(2),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
9LYABAAA	F-150 RKS 2WD	A4	4250	*	XL3F-JA	F65E-AA	XL34-AA
9LYABAAA	F-150 RKL 2WD	A	4500				
9LYABAAA	F-150 SKS 2WD	A	4500				
9LYABAAA	F-150 SKL 2WD	A	4750				
9LYABAAN	F-150 RKS 2WD	A	4250				
9LYABAAN	F-150 RKL 2WD	A	4500				
9LYABAAN	F-150 SKS 2WD	A	4500				
9LYABAAN	F-150 SKL 2WD	A	4750				
9LYABBAA	F-150 RKL 4WD	A	4750		XL3F-KA		XL34-BA
9LYABBAA	F-150 RKS 4WD	A	4750				
9LYABBAN	F-150 RKL 4WD	A	4750				
9LYABBAN	F-150 RKS 4WD	A	4750				
9LYMBAAA	F-150 RKS 2WD	M5	4250		XL3F-PA		XL34-AA
9LYMBAAA	F-150 RKL 2WD	M	4500				
9LYMBAAA	F-150 SKS 2WD	M	4500				
9LYMBAAA	F-150 SKL 2WD	M	4750				

* See page 20.09.17.02 - 3 for DPA Values

SUPPLEMENTAL DATA SHEET

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EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9LYMBAAN	F-150 RKL 2WD	MS	4250	*	XL3F-PA	F65E-AA	XL34-AA
9LYMBAAN	F-150 RKS 2WD	M	4250				
9LYMBAAN	F-150 SKS 2WD	M	4500				
9LYMBAAN	F-150 SKL 2WD	M	4750				
9LYMBBAA	F-150 RKS 2WD	M	4250		XL3F-RA		
9LYMBBAA	F-150 RKL 2WD	M	4500				
9LYMBBAA	F-150 SKS 2WD	M	4500				
9LYMBBAA	F-150 SKL 2WD	M	4750				
9LYMBBAN	F-150 RKL 2WD	M	4250				
9LYMBBAN	F-150 RKS 2WD	M	4250				
9LYMBBAN	F-150 SKS 2WD	M	4500				
9LYMBBAN	F-150 SKL 2WD	M	4750				
9LYMBBAA	F-150 RKL 4WD	M	4750				XL34-BA
9LYMBBAA	F-150 RKS 4WD	M	4750				
9LYMBBAN	F-150 RKS 4WD	M	4750				
9LYMBBAN	F-150 RKL 4WD	M	4750				

* See page 20.09.17.02 - 3 for DPA Values

F-150 Pick Up