State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-829
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: XFMXT02.51GC Displacement: 2.5 Liters (152.5 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter (two)
Heated Oxygen Sensor (two)
Sequential Multiport Fuel Injection
Exhaust Gas Recirculation

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)
0-3750	50,000	0.075	3.4	0.2	0.015	10.0
	100,000	0.090	4.2	0.3	0.018	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)
0-3750	50,000	0.062	0.6	0.1	0.001	4.6
	100,000	0.079	0.9	0.2	0.001	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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 16th day of July 1998.

John Kourkoli for

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-829

1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXT02.51GC Evap. Fam.: XFMXE0105BBE

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

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

Vehicle Class(es): PC___ LDT1 XX LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

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

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline XXX Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify):___

Exh Emiss Test Fuel(s): Indo___ CBG XX 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 Accum: Std AMA___ Mod AMA XX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A___ Std XX Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration I-4 Displacement: 2.5L Liters 152.5 Cubic Inches

Valves/Cyl: 2 Rated HP: 118 @ 4800 RPM

Engine: Front XXX Mid___ Rear___ Drive: Fwd___ RWD XXX 4WD-FT___ 4WD-PT___

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC(2), HO2S(2), EGR, SFI
(Use abbreviations per SAE J1930 JUN93)

Engine Code/ CALIF	Veh. Models (all models are 4x2 *)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA #	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No $-9D475-	Catalyst Part No. -5E212-
2.5L							
9B1ABAA N	MAZDA RC SWB	A4	3375	11.3	XL5F-CA	F57E--BA	See Cat Chart
A	MAZDA RC SWB	"	3375@	12.4	"	XF1E-CA	"
N	RANGER RC SWB	"	3375@	11.3	"	"	"
N	RANGER RC LWB	"	3500	11.3	"	"	"
A	RANGER RC SWB	"	3500	12.4	"	"	"
A	RANGER RC LWB	"	3500	12.4	"	"	"

Same DPA for all tires (P205/75R14, P225/70R15)
* SWB = Short Wheel Base, LWB = Long Wheele Base
* RC = REGULAR CAB, SC2 = SUPER CAB 2 Door, SC4 = SUPER CAB 4 Door
@ Test at next higher ETW
$ Alternate part number