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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-812-B
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 passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline (Indolene)

Engine Family: XFMXV02.0VDC Displacement: 2.0 Liters (121 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter
Heated Oxygen Sensors (two)
Sequential Multiport Fuel Injection

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

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

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

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

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.046	1.3	0.03	0.0003	8.5
100,000	0.054	1.7	0.04	0.0003	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 vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, 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 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").

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.).

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 5th day of April 1999.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-812-B

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

Page 1

Manufacturer FORD MOTOR COMPANY Eng. Family XFMXV02.0VDC
Evap Std: 100K X Useful Life with R/L X Evap Engine Family: XFMXR0115BBE ORVR x YES
Exh Std: Tier-0___ Tier-1___ TLEV X LEV___ ULEV___ ZEV___; EPA Tier-0___ Tier-1___
Veh Class(es): PC X LDT1___ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___
Single Cert Std for Multi-Class Eng Fam: ___ (specify: N/A, LDT1, MDV1, ETC.)
Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40 CFR 86:113-90___ or -94___
M85___ CNG___ LPG___ Other (specify)___
Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Gasoline X Diesel___ M85___
CNG___ LNG___ LPG___ Other (specify)___
Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___
Engine Configuration: I-4 Displacement: 2.0 / ___ Liter 121 / ___ Cubic Inches
Engine: Front X Mid.___ Rear___ Drive: FWD X RWD___ 4WD-FT 4WD-PT
Exhaust ECS & Special Features (EG., EGR, MFI, TC, CAC): TWC, SFI, HO2S(2)
(Use abbreviations per SAE J1930 Sep 91)

Engine Code/ CALIF	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Tes Weight	RLHP or DPA	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No -9M444-	Catalyst Part No. -5E211-
2.0L				@ #			
9EQABDB N	CONTOUR	A	3125	5.3 4.9	XS2A-NB	NONE	97BB--BK
A	"	"	3125$	5.8 5.4	"		"
N	MYSTIQUE	"	3250	5.3 4.9	"		"
A	"	"	3250	5.8 5.4			"
9EQMBEB N	COUGAR	M	3125	N/A 5.3	XS8A-BB		97BB--BK
A	"	"	3125$	N/A 5.8	"		"
9EQMBDB N	CONTOUR	M	31[illegible]	[illegible].4 6.2	XS2A-KB	NONE	97BB--BK
A	"	"	31[illegible]	[illegible].9 6.8	"		"
N	MYSTIQUE	"	3125	[illegible].4 6.2	"		"
A	"	"	3125$	[illegible].9 6.8	"		"

Evap test procedure CA ___ Fed X
RL test procedure SHED ___ Pt Source X
NMOG test procedure Equivalent
Service Accum: Std. AMA

$ Test at next higher ETW
@ Standard tire (P185/70R14)
# Optional tire (P205/60R15)
& Bi-Fuel Prep package (P195/65R14