File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-794
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

Engine Family: XFMXV02.0VDN Displacement: 2.0 Liters (122 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

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1999 model-year TLEVs. 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	0.052	1.3	0.2	0.0004	2.9
100,000	0.054	1.8	0.3	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 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 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 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 18th day of August 1998.

Raphael Susnowitz

for R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-794

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

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Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXV02.0VDN Evap. Fam.: XFMXE0080BAE

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

Exhaust Std: CA Tier-1___ TLEV XXX LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC XX LDT1___ 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 XX Mod AMA___ 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: 2.0 Liters 122 Cubic Inches

Valves/Cyl: 4 Rated HP: 130 @ 5750RPM

Engine: Front XXX Mid___ Rear___ Drive: Fwd XX RWD___ 4WD-FT___ 4WD-PT___

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, HO2S(2),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-	Catalyst Part No. Part No -9D475-	
2.0L							
803RR13 N	ESCORT ZX2	A/M	2750 @	4.7	F8CF-EJ	F8CC--KJ	
803RR13 A	ESCORT ZX2	A/M	2875	5.2	"	"	
804RR13 N	ESCORT ZX2	M5	2875	5.8	F8CF-FJ	"	
804RR13 A	ESCORT ZX2	M	2875	6.4	"	"	
804RR13 A	ESCORT ZX2	A4	2875	6.2	"	"	
804RR13 N	ESCORT ZX2	A	2875	5.6	"	"	

@ Test at next higher ETW
$ Alternate part number