

File

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-814-A  
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:

Fuel Type: Gasoline

Engine Family: XFMXV02.5VBC Displacement: 2.5 Liters (155 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

- Dual Three Way Catalytic Converters
- Three Way Catalytic Converter
- 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 certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Oxides of Nitrogen</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Oxides of Nitrogen</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.12	1.2	0.2	4.6
100,000	0.14	1.5	0.2	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 non-methane organic gases (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 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.

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 29<sup>th</sup> day of January 1998.



R. B. Summerfield, Chief  
Mobile Source Operations Division

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

Manufacturer FORD MOTOR COMPANY Eng. Family XFMKV02.5VBC  
 Evap Std: 100K X Useful Life with R/L X Evap Engine Family: XFMXE0115B1E  
 Exh Std: Tier-0 \_\_\_ Tier-1 X TLEV \_\_\_ LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; EPA Tier-0 \_\_\_ Tier-1 \_\_\_  
 Veh Class(es): PC X LDT1 \_\_\_ LDT2 \_\_\_ MDV1 \_\_\_ MDV2 \_\_\_ MDV3 \_\_\_ MDV4 \_\_\_ MDV5 \_\_\_  
 Evap T.P. CA Fed X R/L T.P. Spec Fl. Source X ORVR Y NO X  
 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) \_\_\_  
 Engine Configuration: V-6 Displacement: 2.5 / Accum: Std. AMA X Liter 155 / Cubic Inches  
 Engine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD X RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS & Special Features (EG., EGR, MFI, TC, CAC): EGR, TWC, SFI, 2HO2S (2), 2TWC  
 (Use abbreviations per SAE J1930 Sep 91)

Engine Code/ CALIF	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212-
2.5L				@ #			
9LCABAA A	CONTOUR 4DR	A	3375	5.1 5.8	98BB-AMA	F53E-AA	97BB--CC
A	MYSTIQUE 4DR	"	3375	5.1 5.8	"	"	"
9LCABBA A	COUGAR 2DR	"	3375*	6.2	98BB-ATA	"	"
9LCMBAA A	CONTOUR 4DR	M	3250*	5.2 5.5	98BB-AKA	"	97BB--BC
A	MYSTIQUE 4DR	"	3375	5.2 5.5	"	"	"
9LCMBBA A	COUGAR 2DR	"	3375	6.4	98BB-ARA	"	"
9LCABAB A	CONTOUR 4DR	A	3375	5.1 5.8	98BB-AMB	F53E-AA	97BB--CC
A	MYSTIQUE 4DR	"	3375	5.1 5.8	"	"	"
9LCABBB A	COUGAR 2DR	"	3375*	6.2	98BB-ATB	"	"
9LCMBAB A	CONTOUR 4DR	M	3250*	5.2 5.5	98BB-AKB	"	97BB--BC
A	MYSTIQUE 4DR	"	3375	5.2 5.5	"	"	"
9LCMBBB A	COUGAR 2DR	"	3375	6.4	98BB-ARB	"	"

\* Test at next higher ETW

@ Standard tire (P195/65R14)  
 # Optional Tire (P205/60R15)  
 # Cougar only tire (P215/50R16)

Certification Standards  
50K/100K  
 NMHC: 0.25/0.31  
 CO: 3.4/4.2  
 NOx: 0.4/0.6  
 Enh EVAP 2.0/2.5/0.05  
 COLD CO: 10.0