

File

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-682  
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 1997 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: VFM2.0V8G3FK Displacement: 2.0 Liters (121 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.075	3.4	0.2	0.015	10.0
100,000	0.090	4.2	0.3	0.018	n/a

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

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.048	0.8	0.1	0.0003	5.2
100,000	0.054	1.1	0.1	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 non-methane organic gas (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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor 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 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 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 the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

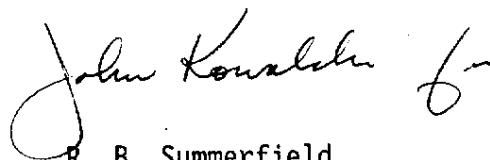
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 26<sup>th</sup> day of December 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

**1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**  
**PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

Manufacturer: Ford Motor Company                      Exhaust Engine Family: VFM2.0V8G3FK

Evap Standard: 50K     Useful Life with R/L \_\_\_\_\_    Evap Family: VFM1045AYPAA

Exhaust Std: Tier 0  Tier 1  TLEV  LEV  ULEV  ZEV  ; EPA Tier 0  Tier 1

Vehicle Class(es): PC  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)

Exh Cert Fuel(s): Indo  Ph2  Diesel: 13 CCR 2282  or 40 CFR 86.113-90  or -94   
M85  CNG  LPG  Other (specify) \_\_\_\_\_

Fuel Type(s): Dedicated  Flex-Fuel  Dual-Fuel  Gasoline  Diesel  M85   
CNG  LNG  LPG  Other (specify) \_\_\_\_\_

Hybrid: Type A  B  C  APU Cycle (e.g., Otto, Diesel, Turbine) \_\_\_\_\_

Engine Config: I-4                      Liter (CID): 2.0 (121.5)

Engine: Front  Mid  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT

Exhaust ECS & Special Features: SFI/2HQ2S/EGR/TWC<sup>(2)</sup>  
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
708PR00N	Escort FFA 4-dr sedan	A4	2875	5.7	<del>-12A650-</del> F7CF-YA	<del>-9D475-</del> F7CE-AA F6CE-BA(alt)	<del>-5E211</del> F7CC-NG
708PR00A	Escort FFA 4-dr sedan	A4	2875	6.3	"	"	"
708WR00N	Escort FFF Wagon	A4	3000	6.2	F7CF-ZA	"	"
708WR00A	Escort FFF Wagon	A4	3000	6.8	"	"	"
708PR00N	Tracer XFA 4-dr sedan	A4	2875	5.7	F7CF-YA	"	"
708PR00A	Tracer XFA 4-dr sedan	A4	2875	6.3	"	"	"
708WR00N	Tracer XFF Wagon	A4	3000	6.2	F7CF-ZA	"	"
708WR00A	Tracer XFF Wagon	A4	3000	6.8	"	"	"