

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-742  
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 1998 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Fuel Flexible (E85 Ethanol, Gasoline)

Engine Family: WFMXV03.OAEA Displacement: 3.0 Liters (182 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

- Dual Three Way Catalytic Converters
- Dual Heated Oxygen Sensors
- 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>Nitrogen Oxides</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: (The values in parentheses are for gasoline.)

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.10 (0.14)	1.1 (1.4)	0.1 (0.1)	4.5 (4.5)
100,000	0.10 (0.18)	1.1 (1.8)	0.1 (0.1)	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).

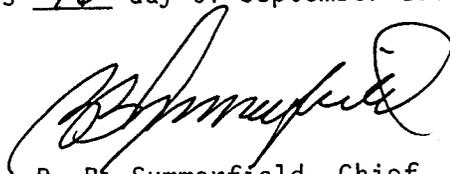
BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(5.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

BE IT FURTHER RESOLVED: That 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 16<sup>th</sup> day of September 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1  
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: FORD MOTOR COMPANY Exh Eng Fam: WFMXV03.0AEA Evap Fam: WFMXE0230FOE  
 All Engine Codes in Engine Family: CA 49S 50S X AB965, ORVR: YES NO X  
 Exh Std: CA Tier-1 X TLEV LEV ULEV SULEV US EPA Tier-1 X  
 Veh Class(es): PC X 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 Flex-Fuel X Dual-Fuel Bi-Fuel Gasoline X Diesel  
CNG LNG LPG M85 Other (specify) E85  
 Emiss Test Fuel(s): Indo X CBG CNG LPG M85 Other (specify) E85  
Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94  
 Evaporative Emission Test Procedure: California federal X  
 Service Accum: Std AMA Mod AMA X Mfr ADP Other (specify) \_\_\_\_\_  
 NMOG Test Procedure: N/A X Std Equiv R/L Test Proc: SHED Pt Source X  
 Engine Configuration: V-6 Displacement: 3.0 / \_\_\_\_\_ Liters 182 / \_\_\_\_\_ Cubic Inches  
 Valves per Cylinder: 2 Rated HP: 145 @ 5000 RPM (GAS), 150 @ 5200 RPM (ETHANOL)  
 Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT  
 Exhaust ECS (e.g., MFI, EGR, TC, CAC): 2TWC, 2HO2S, EGR, SFI  
 (use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
810CR00A	TAURUS SEDAN (Ethanol FFV)	L4	3750	7.4	F8DF-KA	F7DE-BA	F7DC-RC

ate Issued: 9/11/97 Revisions:

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1  
 PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exh Eng Fam: WFMXV03.0AEA Evap Fam: WFMXER0230FOE

All Engine Codes in Engine Family: CA 49S 50S X AB965 ORVR: Yes No X  
 Exh Std: CA Tier-1 X , TLEV LEV , ULEV SULEV , EPA TIER-1 X

Veh Class(es): PC X LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5 MDV5

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

Fuel Type(s): Dedicated Flex Fuel X Dual-Fuel Bi-Fuel  
Gasoline X Diesel M85 CNG LPG Other (specify) E85  
 Exh Emiss Test Fuel(s): Indo X CBG CNG LPG M85 Other (specify) E85  
 Diesel: 13 CCR 2282 or 40CFR 86.113-90 or -94 or

Evaporative Emission Test Procedure: California Federal X

Service Accumulation: Std AMA Mod AMA X Mfr. ADP Other (Specify)  
 NMOG Test Procedure: N/A X Std Equiv R/L Test Procedure: SHED Pt Source X

Engine Configuration: V-6 Displacement: 3.0L (182) Liters (Cubic Inches)  
 Valves/Cyl: 2 Rated HP: 145 @ 4250 (E-0); 155 @ 5000 (E-85) RPM  
 Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT

Exhaust Control System and Special Features: 2TWC(2)<sup>2</sup>, HO2S(2), EGR, SFI  
 (Use abbreviations per SAE J1930 JUN93)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic Converter
CA/49ST/50ST	(if coded see attachment)	A4-Automatic	or	or	(ECM/PCM)	System	
		M5-Manual	Test Wt	RLHP	Part No.	Part No.	Part No.
810CR00A	TAURUS SEDAN	L4	3750	7.4	F8DF-KA	F7DE-BA	F7DC-RC

810CR05A

(Ethanol FFV)