State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-641
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 Ford Motor Company 1996 model-year exhaust emission control systems are certified as described below for passenger cars:

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

Fuel Type: Fuel Flexible (M85 Methanol, Gasoline)

Engine Family: TFM3.0V8F2EK Displacement: 3.0 Liters (182 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors
Exhaust Gas Recirculation
Secondary Air Injection
Sequential Multiport Fuel Injection

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

The non-methane organic gases (NMOG), carbon monoxide (CO), nitrogen oxides (NOx), and formaldehyde (HCHO) TLEV certification exhaust emission standards for this engine family in grams per mile are: (The standards in parentheses are for gasoline.)

Miles	NMOG	CO	NOx	HCHO	CO (20°F)
50,000	0.125 (0.25)	3.4 (3.4)	0.4 (0.4)	0.015 (0.015)	10.0 (10.0)
100,000	0.156 (0.31)	4.2 (4.2)	0.6 (0.6)	0.018 (0.018)	n/a

Reactivity Adjustment Factor for NMOG Mass Emission (M85 Methanol Fuel): 0.41

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

The certification exhaust emission values set forth for NMOG reflect application of the above-mentioned RAFs. The TLEV certification exhaust emission values for this engine family in grams per mile are: (The values in parenthesis are for gasoline.)

Miles	NMOG	CO	NOx	HCHO	CO (20°F)
50,000	0.062 (0.05)	1.2 (1.5)	0.1 (0.1)	0.006 (0.001)	4.7 (5.5)
100,000	0.082 (0.07)	1.8 (2.0)	0.2 (0.2)	0.010 (0.002)	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 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 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 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.).

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 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."

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 23rd day of January 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-641

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: FORD MOTOR COMPANY Exh Eng Fam: TFM3.0V8F2EK Evap Fam: TFM1230ALMAD

All Eng Codes in Eng Fam: **CA** x **49S** ___ **50S** ___ **AB965** ___

Exh Std: CA Tier-1 ___ TLEV x LEV ___ ULEV ___ ZEV ___; US EPA ILEV ___

Evap Std: 50K x Useful Life with R/L ___ In-Use Exh Std: Full In Use x Alt In Use ___

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 x Other (specify) ___

Emiss Test Fuel(s): Indo ___ Ph2 x CNG ___ LPG ___ M85 x Other (specify) ___
Diesel: 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 ___

Service Accum: Std AMA ___ Mod AMA x Mfr ADP ___ Other (specify) ___

NMOG Test Procedure: N/A ___ Std ___ Equiv x R/L Test Proc: SHED ___ Pt Source ___

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

Engine Configuration: V-6 Displacement: 3.0 / ___ Liters 182 / ___ Cubic Inches

Valves per Cylinder: 2 Rated HP: 134 @ 5200 RPM (GAS) 145 @ 5200 RPM (METHANOL)

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

Exhaust ECS (e.g., MFI, EGR, TC, CAC): 2TWC(2), 2HO2S, EGR, AIR, SFI
(use abbreviations per **SAE J1930 SEP91**)

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.
6-10G R05 A	TAURUS SEDAN (FFV)	L4	3750	6.0	F6DF-AB	F57E-BA	F6DC-DD F6DC-KN

ENGINE FAMILY: TFM3.0V8F2EK
Date Issued: 12/20/95
Revisions: