State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-248
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1984 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
EFM2.3V1HFCI	140	(2.3)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	7.0	0.7

The following are the certification emission values for the above engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.38	5.4	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 1st day of April, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Executive Order No. A-10-248 Page 1

Engine Family EFM2.3V1HFC1 Evaporative Family 4AM

Engine CID (Liters) 140 (2.3)

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Feature
CCV-Combustion Chamber Val
CFI-Central Fue Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
MFI-Mechanical Fuel Injec
TC-Turbocharge

Fuel System
CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Vehicle Line	Body Type	Body Code	
Ford			
Tempo	2-Door	66D	Tempo L, GL, GLX
	4-Door	54D	
Mercury			
Topaz	2-Door	66D	Topaz L, GS, LS
	4-Door	54D	

DRIVE SYSTEM: Front Engine/Front Wheel Drive

E.O. #A-10-248

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles X Gas __ Diesel

Manufacturer Ford Motor Company Page 2

Engine Family EFM2.3V1HFC1 Engine Code

ECS (Special Features) AIP, EGR, TWC/CL CID (Liter)-Type 140 (2.3) I-4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System 1-V Part No.	EGR Valve Part No.	Label Ident. Part No.
4-25D-R11A	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	M5	2750 2875 2750 2875	E43F-12A650-KA (Module)	E43E-9510-VA	E43E-9F483-CA	E4AE9C485 9C485 ACA
4-25D-R11N	MTPZ-66D MTPZ-54D FTPZ-66D FTPZ-54D		2750 2875 2750 2750				
	(Non A/C Hp-all 6.3)						

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

E.O. #A-10-248

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles x Gas __ Diesel

Manufacturer Ford Page 3

Engine Family EFM2.3V1HFC1 Engine Code 4-25D-R13 A/N

ECS (Special Features) EGR/AIP/TWC/EEC/CL/EFI CID (Liter)-Type 140 (2.3) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System 1-V Part No.	EGR Valve Part No.	Label Ident. Part No
4-25D-R13A	FTPZ-66D MTPZ-66D FTPZ-54D MTPZ-54D	M5	2750 2875	E43F-12A650-KA	E43E-9510-VA	E43E-9F-483 CA	E4AE-9C48 ACC
4-25D-R13N	FTPZ-66D MTPZ-66D FTPZ-54D MTPZ-54D		2750 2875				
	All non A/C H.P. = 6.3						

Revision in Process 8/21/84

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 4/6/83 R/C 23P-20.

Engine Family E2.3VFC

07

Issue Date	8-3-83
Revised	

16.03-4

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X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles X Gas __ Diese

Manufacturer Ford Page three

Engine Family EFM2.3H1HFC1 Engine Code 4-25D-R18 A/N

ECS (Special Features) EGR/AIP/TWC/EEC/CL/EFI CID (Liter)-Type 140 (2.3) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Lat Ide Par
4-25D-R18A(1)	FTPZ-66D MTPZ-66D FTPZ-54D MTPZ-54D	M5	2750 2875	E43F-12A650-KA	E43E-9510-VA	E43E-9F/483-CA	E4AE 9C4S ARS
4-25D-R18N(1)	FTPZ-66D MTPZ-66D FTPZ-54D MTPZ-54D		2750 2875				
	All non A/C H.P. = 6.3						

Boing revised 8/22/84

Comments: See page one for abbreviations and evaporative emission family identification

(1) Added per Running Change 2.3P-32.

Engine Family E2.3VFC