State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-245
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)
EFM1.6V5HMC1	98	(1.6)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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
0.41	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
0.40	4.0	0.6

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 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 regulations (Title 13, California Administrative Code, Section 2036) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 5th day of August, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company **Executive Order No.** A-10-245

Engine Family EFM1.6V5HMC1 **Evaporative Family** 4HM

Engine CID (Liters) 98 (1.6L)

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 Featur

CCV-Combustion Chamber V
CFI-Central Fu Injection
DID-Diesel Injection Direct
DIP-Diesel Injection Prechambe
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharge

Fuel System

CFI, CL, DID, DIP, EFI, MFI
V-nVenturi Carburetor
-Variable Venturi

VEHICLE MODELS:

Vehicle Line	Body Type (Cab Style)	Body Code (Wheelbase)
Ford Escort	3-Door	61-D
	5-Door	58-D
	4-Door Wagon	74-D
Mercury Lynx	3-Door	61-D
	5-Door	58-D

Engine Family E1.6VMC

Issue Date	6-28-83									
Revised	8-10-83									

16.03-2

DRIVE SYSTEM: Front **Engine/** Front **-Wheel Drive**

E.O. #A-10-245

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

x Passenger Cars ___ Light-Duty Trucks ___ Medium-Duty Vehicles x Gas ___ Diesel

Manufacturer Ford Motor Company

Page 1

Engine Code 4-27A-R00A/N
4-28A-R00A/N

Engine Family EFM1.6V5HMC1

CID (Liter)-Type 98 (1.6L)

ECS (Special Features) EGS/EGR/AIV/TWC/EFI

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Ident Part
4-27A-R00A	Esct 61D	MTX 360B (M-5)	2500	E4GF-12A650-AA	E4EE-9H487-BB OR: E4EE-9H487-BA E3EE-9H487-PB	E4EE-9D475-AA	AGA
	Esct 58D						
	Lynx 61D						
	Lynx 58D						
4-27A-R00N	Esct 61D		2375				
	Esct 58D		2500				
	Lynx 61D		2375				
	Lynx 58D		2500				
-28A-R00A	Esct 61D	AT-019 (A-3)	2500	E4GF-12A650-BA	E4EE-9H487-AB OR: E3EE-9H487-NB		ADH
	Esct 58D		2625				
	Lynx 61D		2500				
	Lynx 58D		2625				
-28A-R00N	Esct 61D		2500				
	Esct 58D		2625				
	Lynx 61D		2500				
	Lynx 58D		2625				

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 a 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 -

Engine Family E1.6VMC

Issue Date	6-28-83								
Revised	7-20								

16.03-3

E.O. #A A-10-245

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 EFM1.6V5HMC1

Engine Code 4-27A-R00A/N
4-28A-R00A/N

ECS (Special Features) EGS/EGR/AIV/TWC/ (EFI)

CID (Liter)-Type 98 (1.6) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EI Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No
4-27A-R00A	Esct 61D (5.8)	MTX-360E (M-5)	2625	E4GF-12A650-AA	E4EE-9H487-BB or:	E4EE-9D475-AA	E4AE-9C485-AGA
	Esct 58D (5.8)				E4EE-9H487-BA, E3EE-9H487-PB		
	Lynx 61D (5.8)						
	Lynx 58D (5.8)						
	Escort 74D (6.3)						
4-27A-R00N	Esct 61D (5.8)		2500				
	Esct 58D (5.8)		2625				
	Lynx 61D (5.8)		2500				
	Lynx 58D (5.8)		2625				
	Escort 74D (6.3)						
4-28A-R00A	Esct 61D (5.8)	AT-019 (A-3)	2625	E4GF-12A650-BA	E4EE-9H487-AB or:		E4AE-9C485-ADH
	Esct 58D (5.8)		2750		E3EE-9H487-NB		
	Esct 74D (6.3)		2750				
	Lynx 61D (5.8)		2625				
	Lynx 58D (5.8)		2750				
4-28A-R00N	Esct 61D (5.8)		2625				
	Esct 58D (5.8)		2625				
	Esct 74D (6.3)		2625				
	Lynx 61D (5.8)		2625				
	Lynx 58D (5.8)		2625				

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 -

Engine Family E1.6VMC

Issue Date	6-28-83									
Revised	8-4	8-10	8-19							

16.03-3

E.O. #A A-10-245

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

Page 3

Engine Family EFM1.6V5HMC1

Engine Code 4-27A-R02A/N

ECS (Special Features) EGS/EGR/AIV/TWC/(EFI)

CID (Liter)-Type 98 cid (1.6L) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EI Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No
4-27A-R02A	Escort 61D(5.8)	MTX360B (M-5)	2625	E4GF-12A650-AA	E4EE-9H487-BB or: E4EE-9H487-BA, E4EE-9H87-PB	E4EE-9D475-AA	E4AE-9C485-AGA
	Escort 58D(5.8)						
	Lynx 61D (5.8)						
	Lynx 58D (5.8)						
	Escort 74D(6	3)					
4-27A-R02N	Escort 61D(5.8		2500				
	Escort 58D(5.8		2625				
	Lynx 61D (5.8)		2500				
	Lynx 58D (5.8)		2625				
	Escort 74D(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 -

Engine Family E1.6VMC

Issue Date	7-15-83									
Revised	8-10	8-19								

16.03-4