

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-246
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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
EFM1.6V2GDC8	98 (1.6)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst

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":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.27	5.5	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.

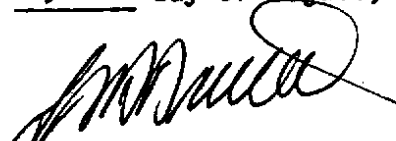
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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 9th day of August, 1983.


K. D. Drachand, Chief
Mobile Source Control Division

Manufacturer Ford Motor Company Executive Order No. A-10-246
 Engine Family EFM1.6V2GDC8 Evaporative Family 4CM-07
 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 Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

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

VEHICLE MODELS:

<u>Vehicle Line</u>	<u>Body Type (Cab Style)</u>	<u>Body Code (Wheelbase)</u>	<u>Test Horsepower w/AC</u>	<u>w/o AC</u>
Ford Escort	3-Door	61D	6.4	5.8
	5-Door	58D		
	Wagon	74D	6.9	6.3
Ford EXP	3-Door	67D	6.0	5.5
Mercury Lynx	3-Door	61D	6.4	5.8
	5-Door	58D		
	Wagon	74D	6.9	6.3

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

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E.O. #A-10-246

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

Manufacturer Ford Motor Company

Page 2

Engine Family EFM1.6V2GDC8

Engine Code 4-03P-R00A/N

ECS (Special Features) EGR/AIP/TWC

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Part No.	Fuel System 1-2V Part No.	EGR Valve Part No.	Label Ident. Part No.
4-03P-R00A (Non-H.O.)	Escort 61D	MTX358A (M-4)	2500	E3EE- 12127-PA	E4EE- 9510-AAA	E4EE-9D465- QA	E4AE-9C48 AMA
	Escort 58D						
	Escort 74D						
	Lynx 61D						
	Lynx 58D						
4-03P-R00N (Non-H.O.)	Lynx 74D		2625(1)				
	Escort 61D		2375				
	Escort 58D		2500				
	Escort 74D						
	Lynx 61D		2375				
	Lynx 58D		2500				
	Lynx 74D						

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.

Date of Issue -

Engine Family E1.6VDC

Issue Date	7-27-83	16.03-3							
Revised									

071080

(1) Changed per R/C 1.6-34 dated 121483.

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-246

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

Manufacturer Ford Motor Company

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Engine Family EFM1.6V2GDCB

Engine Code 4-03S-R00A/N

ECS (Special Features) EGR/AIP/TWC

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Part No.	Fuel System 1-2V Part No.	EGR Valve Part No.	Label Ident. Part No.
4-03S-R00A (H.O.)	Esct 61D	MTX360B (M-5)	2500	E4EE-12127-FA	E4GE-9510-MA	E4EE-9D448-AA	E4AE-9CAJ
	Esct 58D						
	Esct 74D						
	EXP 67D		2625				
	Lynx 61D		2500				
	Lynx 58D						
4-03S-R00N	Esct 61D	MTX360B (M-5)	2375	E4EE-12127-FA	E4GE-9510-MA	E4EE-9D448-AA	E4AE-9CAJ
	Esct 58D		2500				
	Esct 74D						
	EXP 67D		(1)				
	Lynx 61D		2375				
	Lynx 58D		2500				
	Lynx 74D		2625				

Revision in Progress

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.

Date of Issue -

Engine Family EL.6VDC

Issue Date	7-27-83	16.03-4						
Revised								

071080

(1) Changed per R/C 1.6-29 dated 120883.

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

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Engine Family EFM1.6V2GDC8

Engine Code 404SR12A/N

ECS (Special Features) EGR/AIP/TWC

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equip. Test Weight	Ign. System CA, VA, EI Part No.	Fuel System 1-2V Part No.	EGR Valve Part No.	Label Ident. Part No.
4-04S-R12A (1) (H.O.)	Escort 61D 58D 74D	A-3	2500	E3EE-12127-YA	E4GE-9510-AAA	E4EE-9D475-BA	E4AE-9C485-ARJ
			2625				
			2500(2)				
	Lynx 61D 58D 74D		2500				
			2625				
			2500				
	EXP 67D		2500				
			2625				
			2500				
4-04S-R12N (1) (H.O.)	Escort 61D 58D 74D	A-3	2500	E3EE-12127-YA	E4GE-9510-AAA	E4EE-9D475-BA	E4AE-9C485-ARJ
			2625				
			2500				
	Lynx 61D 58D 74D		2500				
			2625				
			2500				
	EXP 67D		2500				
			2625				
			2500				

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.

Date of Issue -

- (1) Added per R/C 1.6-22 dated 091483.
(2) Changed per R/C 1.6-32 dated 012684.

198 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company Page 6

Engine Family EFM1.6V2GDC8 Engine Code 4-03P-R10A/N

ECS (Special Features) EGR/AIP/TWC CID (Liter)-Type 98 (1.6) I-4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Part No.	Fuel System 1-2V Part No.	EGR Valve 9D475 Part No.	Label Ident. 9C485 Part No.
4-03P-R10A (1)	Escort 61D 58D 74D	M40D	2500	E3EE-PA	E4EE-AAA	E4EE-CA	E4AE-AMA
			2625(2)				
			2500				
	Lynx 61D 58D 74D	M40D	2500	E3EE-PA	E4EE-AAA	E4EE-CA	E4AE-AMA
			2625(2)				
			2500				
4-03P-R10N (1)	Escort 61D 58D 74D	M40D	2375	E3EE-PA	E4EE-AAA	E4EE-CA	E4AE-AMA
			2500				
			2500				
	Lynx 61D 58D 74D	M40D	2375	E3EE-PA	E4EE-AAA	E4EE-CA	E4AE-AMA
			2500				
			2500				

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.

Date of Issue -

- (1) Added per R/C 1.6-06 dated 111583.
(2) Changed per R/C 1.6-34 dated 121383.