State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-302
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 1986 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)
GFM2.3V5FGK3	140	(2.3)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection) (Turbocharger)

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

The following are the emission standards for this engine family:

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 this engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.17	3.6	0.5

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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 2035 et seq.) 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 2nd day of August 1985

K. D. Drachand, Chief
Mobile Source Division

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Manufacturer Ford

Executive Order No. A-10-302

Engine Family GFM2.3V5FGK3

Evaporative Family 6HM

Engine CID (Liters) 140 (2.3L)

ABBREVIATIONS

Ignition System

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

Fuel System

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

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

VEHICLE MODELS:

Vehicle Line	Body Type (Cab Style)	Body Code (Wheelbase)
Ford		
Mustang	SVO	B8G
Thunderbird	2-Door	63D
Mercury		
Cougar	2-Door	66D
Merkur	2-Door	G1D

Engine Family G2.3VGK

Issue Date	6-15-85
Revised	

E.O. #A-10-302

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

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Engine Family GFM2.3V5FGK3

Engine Code 5-05R-R10A

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

CID (Liter)-Type I4 140 (2.3L)

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 EFI Part No.	EGR Valve 9D475 Part No.	Label Ident. Part N
5-05R-R10A	Merkur XR4 61D (8.0)	M5	3250	E52F-12A650-FB	E5ZE-9F593-AA Alt. AB	E5RE-BA	TBD

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

Engine Family G2.3VGK

Issue Date	6-15-85									
Revised										

16.03-4

E.O. #A-10-302

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

Manufacturer Ford Motor Company

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Engine Family GFM2.3V5FGK3

Engine Code 5-05S-R01A/N

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

CID (Liter)-Type I4 140 (2.3L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve 9D474 Part No.	Label Ident. 9C485 Part N
5-05S-R01A	Mustang B8G (8.1)	M5	3375	E5ZF-12A650-EA	E5ZE-9F593-AA Alt. AB	E3CE-AA E4D-AA (alt)	E6AE-AFN
5-05S-R01N			3375				

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

Engine Family G2.3VGK

Issue Date	6-15-85									
Revised										

16.03-5

E.O. #A-10-302

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

Manufacturer Ford Motor Company

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Engine Family GFM2.3V5FGK3

Engine Code 6-06E-R01A/N

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

CID (Liter)-Type I4 140 (2.3L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve 9D475 Part No.	Label Ident. 9C485 Part No.
6-06E-R01A	Cougar 66D (8.8)	C3 (Auto)	3500	E5ZF-12A650-KB	E5ZE-9F593-AA AB (alt.)	E4DE-AA	E6AE-AFS
	T'Bird 63D (8.1)		3500			E4DE-AA	E6AE-AFS
	Merkur XR4 (3.0)		3250			E5RE-BA	E6RD-XCB
6-06E-R01N	Cougar 66D (8.8)		3500				
	T'Bird 63D (8.1)		3500				

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

Engine Family G2.3VGK

Issue Date	6-15-85
Revised	

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

Manufacturer Ford Motor Company

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Engine Family GFM2.3V5FGK3

Engine Code 6-05R-R00A

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

CID (Liter)-Type I4 140 (2.3L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve 9D475 Part No.	Label Ident. Part No.
6-05R-R00A	Merkur XR4 61D (8.0)	M5	3250	E5ZF-12A650 FC	E5ZE-9F593-AA AB (alt.)	E5RE-BA	E6RD 9C485 XCE

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

Engine Family G2.3VGK

Issue Date	6-15-85									
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x Passenger Cars ___ Light-Duty Trucks ___ Medium-Duty Vehicles x Gas ___ Diesel

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Engine Family GFM2.3V5FGK3

Engine Code 5-05E-R00A/N

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

CID (Liter)-Type I-4 140 (2.3L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC-IV Part No.	Fuel System EFI Part No.	EGR Valve 9D475 Part No.	Label Ident. 9C485 Part No.
5-05E-R00A	Cougar 66D (8.8)	M5	3500	E5ZF-12A650-CA	E5ZE-9F593-AA Alt.AB	E4DE-AA	E6AE-AAR
	T'Bird 63D (8.1)						
5-05E-R00N	Cougar 66D (8.8)						
	T'Bird 63D (8.1)						

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

Engine Family G2.3VGK

Issue Date	6-15-85									
Revised										

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