State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-287
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 1985 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)
FFM2.3V5FGK2	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 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
0.21	2.3	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 4th day of September, 1984.

K. D. Drachand, Chief
Mobile Source Division

Manufacturer Ford

Executive Order No. A-10-287

Engine Family FFM2.3V5FGKX2

Evaporative Family 5HM

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 Va
CFI-Central Fue Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharge

VEHICLE MODELS:

Vehicle Line	Body Type (Cab Style)	Body Code (Wheelbase)
Ford		
Mustang	2-Door	66B
	3-Door	61B
	Convert.	B2L
	SVO	B8G
Thunderbird	2-Door	63D
Mercury		
Capri	3-Door	61D
Cougar	2-Door	66D
Merkur	2-Door	61R

Engine Family F2.3VGK

Issue Date	7-27-84									
Revised										

E.O. VA A-10-267

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford

Page one

Engine Family FFM2.3V5FGK2

Engine Code 5-05E-R00

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 Part No.	Label Ident. Part No
5-05E-R00A	MUST-61B (8.1)	M5	3375	E5ZF-12A650-CA	E5ZE-9H487-CA	E4DE-9D475-AA	E5AE-9C48 CGZ
	MUST-66B (8.6)		3250				
	MUST-B2L (9.0)		3500				
	CPRI-61D (8.3)		3375				
	TBR3-63D (8.1)		3500				
	COUG-66D (8.8)						
5-05E-R00N	MUST-61B (8.1)		3375				
	MUST-66B (8.6)		3250				
	MUST-B2L (9.0)		3500				
	CPRI-61D (8.3)		3375				
	TBR3-63D (8.1)						
	COUG-66D (8.8)						

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 F2.3VGK

Issue Date	7-27-84									
Revised										

E.O. VA A-10-287

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford

Page two

Engine Code 5-05R-R01

Engine Family FFM2.3V5FGK2

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

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

Engine Code	Vehicle Models (If Coded see attachment) (A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No
5-05R-R01A	XR4-61R (8.8)	M5	3250	E5ZF-12A650-FB	E5ZE-9H487-GA or E5RD-AA	E5RE-9D475-BA	E5RD-9C48 XAL

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.

Engine Family F2.3VGK

Issue Date	7-27-84									
Revised										

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

Manufacturer Ford

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Engine Family FFM2.3V5FGK2

Engine Code

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 Part No.	Label Ident. Part No
5-06E-R00A	TBR3-63D (8.1) COUG-66D (8.8) XR4-61R (8.8) A/C only	C3 (A3)	3500 3250 3250	E5ZF-12A650-AA	E5ZE-9H487-CA E5RD-9H487-AA (Merkur).	E4DE-9D475-BA E5RE-9D475-AA (Merkur)	E5AE-9C48 CGZ E5RD-9C48 XAL (Merku
5-06E-R00N	TBR3-63D (8.1) COUG-66D (8.8)	C3 (A3)	3375				
5-06E-R10A/N	TBR3-63D (8.1) COUG-66D (8.8) XR4-61R (8.8) A/C only		3500 3250 3250	E5ZF-12A650-KB			

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 F2.3VGK

Issue Date	7-27-84								
Revised	3-13-85								

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

Manufacturer Ford

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Engine Family FFM2.3V5FGK2

Engine Code 5-05D-R00

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 Part No.	Labe Iden Part
5-05D-R00A	Must-B8G (8.1)	M5	3375	E5ZF-12A650-JA	E4ZE-9H487-AB	E3CE-9D475-AA or E4DE-AA	E5AE-9C48 CGU
5-05D-R00N	Must-B8G (8.1)		3375				

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

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

Manufacturer Ford Motor Company Page 5

Engine Family FFM2.3V5FGK2 Engine Code 5-05S-R00A/N

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

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC-IV (12A650) Part No.	Fuel System EFI (9H487) Part No.	EGR Valve 9D475 Part No.	Label Ident 9C485 Part
5-05S-R00A (1)	Must B8G (8.9) (Mustang SVO)	M5	3500	E5ZF-EA	E5ZE-CA E5ZE-CB (alt)	E3CE-AA E4DE-AA(alt)	E5AE-CGY
5-05S-R00N (1)	Must B8G (8.1) (Mustang SVO)		3375				

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

(1) R/C 2.3T-2 032985.

E.O. #A-10-287

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer FORD MOTOR COMPANY Page 6

Engine Family FFM2.3V5FGK2 Engine Code 5-05S-R01A/N

ECS (Special Features) EGR/EGS/EFI/TWC 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 Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
5-05S-R01A	Must-B8G (8.1)	M5	3500	E5ZF-12A650-EA	E5ZE-9H487-CA	E3CE-9D475-AA or E4DE-9D475-AA	E5AE-9C45-CUN
5-05S-R01N	Must-B8G (8.1)	M5	3500				

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

R/C 2.3T-12 042985

Engine Family F2.3VGK

Issue Date	4-29-85									
Revised										