#### State of California AIR RESOURCES BOARD

## 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	Displace Cubic Inches		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	Carbon Monoxide	Nitrogen Oxides
Grams per Mile	Grams per Mile	<u>Grams per mile</u>
0.39	7.0	0.7

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
Grams per Mile	<u>Grams per Mile</u>	<u>Grams per Mile</u>	
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 \_\_\_\_\_\_

K. D. Drachand, Chief Mobile Source Division

day of thyent 1985

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Manufacturer _	Ford	Executive Order No A-10-30	22
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
NV-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 Fue Injection DID-Diesel Injection-Direct DIP-Diesel Injection-Prechambe: EFI-Electronic Fue 1 Injection MFI-Mechanica! Fuel Injection

TC-Turbocharges

## 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	610

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· <u>*</u>	enger Cars  ifacturer <u>Fo</u> ne Family <u>GF</u> (Special Featu	rd Mo	otor Com V5FGK3	pany		Page 2 Engine 5-05R-R10A  CID (Liter)- Type  Class Diese  Class Diese  A			
Eng		Vehicle Mod (If Coded s attachment (Mon-A/C Dyno	ee )	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve 9D475 Part No.	Label Ident
-05R-R10A		Merkur XR4 61D (8.0)		М5	3250	E52F-12A650-FB	E5ZE-9F593- AA Alt. AB	E5RE-BA	TBD
Commen	ts:	See page one f	or a	bbreviat	tions and	evaporative	emission famil	y identifica	tion.

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Engine Family \_\_ G2.3VGK

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× Pass	enger Cars	Lf	ght-Dut	y Trucks	Medium-	Duty Vehic	les ,	× Ges	Diese?
Manu	facturer _	Ford M	otor Con	npany	· · · · · · · · · · · · · · · · · · ·		Page	3	
Engi	ne Family _	GFM2.3	V5FGK3				Engine Code	5-05S-R	.01A/N
ECS	(Special Fe	atures)	EGR (EG	s <b>)</b> efi/tv	ic (TC)	CID (Lit		I4 14	0 (2.3L)
ine	Vehicle	Models	Trans.	Equiv.	Ign. System	Fuel Sys	ten	FGR Value	/a

	(., ,,		······································		Type			
Engine Code	Vehicle Models (If Coded see attachment) (Mon-A/C Dyno Hp)		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)	М5	3375	E5ZF-12A650- EA	E5ZE-9F593- AA Alt. AB	E3CE-AA E4D-AA (alt	E6AE-AFN	
5-058-R01N			3375				٠	
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Comments: See page one for abbreviations and evaporative emission family identification.

Engine Family G2.3VGK

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# 198 6 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

	nufacturer Ford Mo	Page Engin	4				
	gine Family GFM2.3\ S (Special Features)		/ <b>E</b> GS/ <b>E</b> F1)	TWC (TC)	CID (Liter)- Type	6-06E-R01A/N  I4 (140 (2.3L)	
Engine Code	Vehicle Models (If Coded see attachment) (Mon-A/C Dyno Rp)		Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System EFI Part No.	EGR Valve 9D475 Part No.	Label Ident. 90485 Part N
6-06E-R01A	Cougar 66D (8.8)	C3 (Auto)	3500	E5ZF-12A650- KB	E5ZE-9F593- AA AB (alt.)	E4DE-AA	E6AE-AF
	T'Bird 63D (8.1)		3500			E4DE-AA	E6AE-AF
	Merkur XR4 (3.0)		3250			E5RE-BA	E6RD-XC
-06E-R01N	Cougar 66D (8.8)		3500				
	T'Bird 63D (8.1)		3500				
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Comments:	See page one for a	abbrevia	tions and	evaporative	emission famil	y identifica	ition.

<u>×</u> Passenger Cars <u>Light-Duty Trucks <u>Medium-Duty Vehicles</u> <u>×</u> Gas</u>

Engine Family G2.3VGK

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		ine Family GF				Page Engin Code CID (Liter)-	6-05R-R0	
	ECS	(Special Features)	EGR/E	GS (EFI) TW	ic (TC)	Type _	I4 140 (2.	3L)
	Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC IV	Fuel System EFI	EGR Valve 9D475	Label Ident
<del></del>		(Non-A/C Dyno Rp)			Part No.	Part No.	Part No.	Part
05R-R	00A	Merkur XR4 61D (8.0)	м5	3250	E5ZF-12A650 FC	E5ZE-9F593- AA AB (alt.)	E5RE-BA	E6RD 92485 XCE
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Cor	ments:	See page one for a	Abbrevia	tions and	: evaporative	emission famil	ly identifica	ition.

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				ght-Duty Trucks Medium-Duty Vehicles Gas Diesel tor Company Page6					
	Engine Family GFM2.3			v5FGK3 Engin				5-05E-ROOA/N	
	ECS	(Special	cial Features)	egr/egs/efi/twc (TC)			CID (Liter)- Type	I-4 140 (2.3L)	
-	Engine Code	(If Co	e Models ded see hment) 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 N
5-05E- •	ROOA		66D (8.8)	М5	3500	E5ZF-12A650- CA	E5ZE-9F593- AA Alt.AB	E4DE-AA	E6AE-AAR
5-05E-	ROON	Cougar	66D (8.8) 63D (8.1)		·				
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					,	·			
· .		<b>P</b>				d evaporative			

Engine Family G2.3VGK

Issue Date   6-15-85	16.03-3	
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