State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-282
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)
FFM5.0V5HBC5	302	(5.0)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central 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
0.39	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
~~0.19~~ 0.27	1.2	0.7

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 19th day of July, 1984.

K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Ford Motor Company

Executive Order No. A-10-282

Engine Family: FFM5.0V5HBC5

Evaporative Family: 5FM

Engine CID (Liters): 302 (5.0L)

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 Featu

CCV-Combustio Chamber
CFI-Central F Injectio
DID-Diesel Injectic Direct
DIP-Diesel Injectic Prechamb
EFI-Electroni Fuel Injectio
MFI-Mechanica Fuel Injectio
TC-Turbocharg

VEHICLE MODELS:

Vehicle Line	Body Type (Cab Style)	Body Code (Wheelbase)
Mark VII	2-Dr Sedan	63D
Continental	4-Dr Sedan	54D
Lincoln	4-Dr Sedan	54D
Crown Victoria	2-Dr/4-Dr/Sta Wagon	66K/54K/74K
Grand Marquis	2-Dr/4-Dr/Sta Wagon	66K/54K/74K
Thunderbird	2-Dr Sedan	63D
Cougar	2-Dr Sedan	66D
Mustang	2-Dr/3-Dr/Conv	61B/66B/B2L
Capri	3-Dr Sedan	61D
LTD	4-Dr Sedan	54D
Marquis	4-Dr Sedan	54D

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

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

Manufacturer Ford Motor Company Page 2

Engine Family FFM5.0V5HBC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Ident Part
5-22P-R00A	Must-61B (8.9) Must-66B (9.5) Must-B2L (9.9) Capri-61D (9.1)	AOX056	3500 3500* 3625 3500*	E53F-FA	E5ZE-CA	E5AE-AA	E5AE-CHM
5-22P-R00N	Must 61B (8.1) Must 66B (8.6) Must B2L (9.0) Capri 61D (8.3)		3500 3375 3625 3500 3625%				
5-22Q-R00A	Lincoln 54D (12.1) Crown Vict 74K (12.5) Crown Vict 66K (11.9) Crown Vict 54K Grand Marq 74K (12.5) Grand Marq 66K (11.9) Grand Marq 54K (11.9)	AOX061 AOX065 AOX065 AOX065 AOX061 AOX065 AOX065 AOX061	4250	E4VF-12A650-JA	E5AE-9C973-EA	E45E-9F483-AA E5AE-9F483-AA (alt)	E5AE 9C48 CAH
5-22Q-R00N	Crown Vict 74K (11.4) Crown Vict 66K (10.8) Crown Vict 54K (10.8) Grand Marq 74K (11.4) Grand Marq 66K (10.8) Grand Marq 54D (10.8)	AOX065 AOX065 AOX061 AOX065 AOX065 AOX061	4000 4250				

%-R/C 5.0L-10

*Revised per R/C 5.0-22

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

Manufacturer Ford Motor Company Page 3

Engine Family FFM5.0V5HBC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Ident Part
5-22Q-R01A	Crown Vict 74K (12.5) Grand Marq 74K (12.5)	AOX061	4250	E4VF-12A650-JA	E5AE-9C973-EA	E5AE-9F483-AA	E5AE 9C48 CAJ
5-22Q-R01N	Crown Vict 74K (11.4) Grand Marq 74K (11.4)						
5-22R-R00A	Mark VII 63D (9.1) Continental 54D (11.0)	AOX062	4000	E5AF-12A650-RA	E55E-9C973-EA	E5AE-9F483-AA	E5AE 9C48 CFH
5-22M-R01A	Mark VII 63D (9.1)	AOX056		E53F-12A-650-VC	E5ZE-9C973-BA	E5AE-9F483-AA	E5AE 9C48 CEA
4-[illegible]-R12A	LTD 54D (9.4) Marquis 54D (9.4)		3625	E4VF-12A650-TA	E4ZE09C973-AD	"	E5AE 9C48 CBF
	Mustang 61B (8.9)		3500				
	Mustang 66B (9.5)		3375				
	Mustang B2L (9.9)		3625				
-22P-R12N	LTD 54D (8.5) Marquis 54D (8.5)						
	Mustang 61B (8.1)		3375				
	Mustang 66B (8.6)						
	Mustang B2L (9.0)		3625				
	Capri 61D (8.3)		3500				
-22P-R12A	Capri 61D (8.9)		3500 3625%				
	%-R/C 5.0L-10						

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

Manufacturer Ford Motor Company Page 4

Engine Family FFM5.0V5HBC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Iden Part
5-22T-R00A	T'Bird 63D (8.9) Cougar 66D (9.7)	AOX065 AOX061	3625	E53F-12A650-CA	E5SE-9C973-DA	E57E-9F483-AA E57E-9F483-AB (alt)	E5AE-9C485-C
5-22T-R00N	T'Bird 63D (8.1) Cougar 66D (8.8)						
5-22M-R10A#	Mark VII 63D (9.1)	AOX056	4000	E53F-12A650-VD	E5ZE-9C973-BA	E5AE-9F483-AA	E5AE-9 CFL
	#R/C 5.0-4						

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

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Engine Family FFM5.0V5HBC5

Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI

CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Ident Part
4-22P-R13A	LTD 54D (9.4)	AOX056	3625	E4VF-12650-TA	E4ZE-9C973-AD	E5AB-9F483-AA	E5AE-9C CJE
	Marquis 54D (9.4)						
	Mustang 61B (8.9)		3500				
	Mustang 66B (9.5)		3375				
	Mustang B2L (9.9)		3625				
	Capri 61D (8.9)						
4-22P-R13N	LTD 54D (8.5)		3625				
	Marquis 54D (8.5)						
	Mustang 61B (8.1)		3500				
	Mustang 66B (8.6)		3375				
	Mustang B2L (9.0)		3625				
	Capri 61D (8.3)		3500				

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.

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R/C 5.0-6

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

Manufacturer Ford Motor Company Page 6

Engine Family FFM5.0V5HBC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV -12A650- Part No.	Fuel System CFI -9C973 Part No.	EGR Valve -9F483- Part No.	Labe Iden -9C485- Part
5-22T-R10	T'Bird 63D (8.1)	AOX065	3625	E53F-CA	E5SE-FA	E57E-AA	E5AE-CAT
	Cougar 66D (8.8)	AOX061				E57E-AB (alt)	

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 7

Engine Family FFM5.0V5HBC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV 12A650 Part No.	Fuel System CFI 9C973 Part No.	EGR Valve 9F483 Part No.	Label Ider 9C485 Ta
5-22R-R10A	Mark VII 63D(9.1)	AOX062 AOX059	4000	E5AF-RB	E55E-EB	E5AE-AA	E5AE-C
	Continental 54D (11.0)						

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

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1985 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: FFM5.0V5HBC5

Engine Code:

ECS (Special Features): EEC/EGR/EGS/AIP/TWC/CFI

CID (Liter)-Type: 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans. AOD	Equiv. Test Weight	Ign. System EEC IV -12650- Part No.	Fuel System CFI -9C973- Part No.	EGR Valve -97483- Part No.	Label Iden -9C485- Part
5-22S-R11A	LTD 54D (9.4)	AOX056	3625	E4VF-TA	E5ZE-DA	E5ZE-AA	E5AE-CME
	Marquis 54D (9.4)					E5ZE-AB (alt)	
	Must. 61B (8.9)		3500				
	Must. 66B (9.5)						
	Must. B2L (9.9)		3625				
	Capri 61D (8.9)						
5-22S-R11N	LTD 54D (8.5)		3625				
	Marquis 54D (8.5)						
	Must. 61B (8.1)		3500				
	Must. 66B (8.6)		3375				
	Must. B2L (9.0)		3625				
	Capri 61D (8.3)		3500				

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 9

Engine Family FFM5.0V4GMC2 Engine Code

ECS (Special Features) EGR/AIP/TWC CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System 12127 Part No.	Fuel System 9510 Part No.	EGR Valve 9D448 Part No.	Label Ident. 9C485 Part
5-21Q-R10A	Mustang 61B (8.9) Mustang 66B (9.5) Mustang B2L (9.9) Capri 61D (8.9)	M5X335	3500 3375 3625 3500	E5ZE-BA	E5ZE-GA	E5ZE-AA	E5AE-CTD
5-21Q-R10N	Mustang 61B (8.1) Mustang 66B (8.6) Mustang B2L (9.0) Capri 61D (8.1)		3375 3500				

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

R/C 5.0-25