For T-13 Test

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-278
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)
FFM3.8V5HHC5	231	(3.8)	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":

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
0.31	5.8	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 29th day of June 1984

K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Ford Motor Company

Executive Order No. A-10-278

Engine Family: FFM3.8V5HHC5

Evaporative Family: 5FM

Engine CID (Liters): 231 (3.8)

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
/V-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 Featur

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)
LTD	4 Dr Sedan	LTD, LTD Brougham
	4 Dr Wagon	LTD, LTD Squire
Mustang	3 Dr Hatchback	Mustang LX
	2 Dr Sedan	Mustang LX
	2 Dr Convertible	Mustang LX
Thunderbird	2 Dr Sedan	Thunderbird, T'Bird Elan Fila Thunderbird
Capri	3 Dr Hatchback	Capri GS
Cougar	2 Dr Sedan	Cougar, Cougar LS
Marquis	4 Dr Sedan	Marquis, Marquis Brougham
	4 Dr Wagon	Marquis

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

122182

E.O. A-10-278

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company — Page 2

Engine Family FFM3.8V5HHC5 — Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/(CFI) — CID (Liter)-Type 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Ep)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Labe Iden Part
4-16N-R10A	LTD 54D (9.4)	AOX066 (AOD) and A3(1)	3375	E4VF-12A650-DB	E5SE-9C973-BA	E4AE-9F483-AA	E5AE-9C48 CBP
	LTD 74D (9.1)		3350				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	Thunderbird 63D (8.9)						
	Cougar 66D (10.3)						
4-16N-R10N	LTD 54D (8.5)		3375				
	LTD 74D (8.3)		3350				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	Thunderbird 63D (8.1)						
	Cougar 66D (9.4)						
4-16P-R10A	Mustang 61B (8.9)	C5020 (A/T)	3250	E4VF-12A-650-BB	E5SE-9C973-CA		E5AE-9C48
	Mustang 66B (9.5)						
	Mustang B2L (9.9)		3375				
	Capri 61D (9.1)		3375(2)				
	Mustang 61B (8.9)	AOX066 (AOC)	3250		E5SE-9C973-BA		
	Mustang 66B (9.5)						
	Mustang B2L (9.9)		3375				
	Capri 61D (9.1)		3250				

(1) Added by R/C 3.8-5

(2) Revised by R/C 3.8-3

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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 Page 3

Engine Family FFM3.8V5HHC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/(CFI) CID (Liter)-Type 231 (3.8L)

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 CFI Part No.	EGR Valve Part No.	Label Ident. Part
4-16P-R10N	Mustang 61B (8.1)	C5020 (A/T)	3125	E4VF-12A650-BB	E5SE-9C973-CA	E4AE-9F483-AA	E5AE-9C485-CBR
	Mustang 66B (8.6)						
	Mustang B2L (9.0)		3250				
	Capri 61D (8.3)		3250(1)				
	Mustang 61B (8.1)	AOX066 (AOD)	3250		E5SE-9C973-BA		
	Mustang 66B (8.6)		3125				
	Mustang B2L (9.0)		3375				
	Capri 61D (8.3)		3250				
5-16S-R00A	LTD 54D (9.4)	C5058 (A/T)	3375	E53V-12A650-AMA			E5AE-9C485-CBP
	LTD 74D (9.1)		3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	Thunderbird 63D (8.9)						
	Cougar 66D (10.3)						
5-16S-R00N	LTD 54D (9.4)	C5058 (A/T)	3375				
	LTD 74D (9.1)	3500					
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	Thunderbird (8.9)		3375				
	Cougar 66D (10.3)						

Comments: See page one for abbreviations and evaporative emission family identification.
(1) Revised by R/C 3.8-3

E.O. #A 10-278

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: Ford Motor Company

Page: 4

Engine Family: FFM3.8V5HHC5

Engine Code:

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

CID (Liter)-Type: 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No. 12A650	Fuel System CFI 9C973- Part No.	EGR Valve 9F483- Part No.	Label Iden 9C485- Part
5-16P-R10A	Must 61B (8.9)	C5020	3250	E53F-ASA	E5SE-GA	E4AE-AA	E5AE-CLD
	Must 66B (9.5)	(A/T)					
	Must B2L (9.9)		3375				
	Capri 61D (9.1)						
	Must 61B (8.9)	AOX066	3250		E5SE-HA		
	Must 66B (9.5)	(AOD)					
	Must B2L (9.9)		3375				
	Capri 61D (9.1)						
5-16P-R10N	Must 61B (8.1)	C5020	3250		E5SE-GA		
	Must 66B (8.6)	(A/T)					
	Must B2L (9.0)		3375				
	Capri 61D (8.3)		3250				
	Must 61B (8.1)	AOX066	3250				
		(AOD)					
	Must 66B (8.6)				E5SE-HA		
	Must B2L		3375				
	Capri 61D (8.3)		3250				
5-16N-R11A	LTD 54D (9.4)	AOX066	3375	E53F-APB	E5SE-HA	E4AE-AA	E5AE- CLE
	LTD 74D (9.1)	(AOD)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
	LTD 54D (9.4)	C5058	3375		E5SE-GA		
	LTD 74D (9.1)	(A/T)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
5-16N-R11N	LTD 54D (8.5)	AOX066	3375		E5SE-HA		
	LTD 74D (8.3)	(AOD)	3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird 63D (8.1)						
	Cougar 66D (9.4)		3375				
	LTD 54D (8.5)	C5058	3375		E5SE-GA		
	LTD 74D (8.3)	(A/T)	3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird (8.1)		3375				
	Cougar 66D (9.4)						

R/C 3.8-7

E.O. No. A-10-278

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: Ford Motor Company Page: 5

Engine Family: FFM3.8V5HHC5 Engine Code:

ECS (Special Features): EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type: 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No. 12A650	Fuel System CFI 9C973- Part No.	EGR Valve 9F483- Part No.	Label Iden 9C485- Part
5-16P-R05A	Must 61B (8.9)	C5020	3250	E4VF-BB	E5SE-GA	E4AE-AA	E5AE-CKG
	Must 66B (9.5)	(A/T)					
	Must B2L (9.9)		3375				
	Capri 61D (9.1)						
	Must 61B (8.9)	AOX066	3250		E5SE-HA		
	Must 66B (9.5)						
	Must B2L (9.9)		3375				
	Capri 61D (9.1)						
5-16P-R05N	Must 61B (8.1)	C5020	3250	E4VF-BB	E5SE-GA		
	Must 66B (8.6)	(A/T)					
	Must B2L (9.0)		3375				
	Capri 61D (8.3)						
	Must 61B (8.1)	AOX066 (AOD)	3250				
	Must 66B (8.6)				E5SE-HA		
	Must B2L		3375				
	Capri 61D (8.3)		3250				
5-16N-R06A	LTD 54D (9.4)	AOX066	3375		E5SE-HA		E5AE-CKP
	LTD 74D (9.1)	(AOC)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
	LTD 54D (9.4)	C5058	3375		E5SE-GA		
	LTD 74D (9.1)	(A/T)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
5-16N-R06N	LTD 54D (8.5)	AOX066	3375	E4VF-DB	E5SE-HA	E4AE-AA	E5AE-CKP
	LTD 74D (8.3)	(AOD)	3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird 63D (8.1)						
	Cougar 66D (9.4)		3375				
	LTD 54D (8.5)	C5058	3375		E5SE-GA		
	LTD 74D (8.3)		3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird (8.1)		3375				
	Cougar 66D (9.4)						

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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 Page 6

Engine Family FFM3.8V5HHC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No. 12A650	Fuel System CFI Part No. 9C973-	EGR Valve Part No. 9F483-	Lat Ide Par
5-16N-R07A	LTD 54D (9.4)	AOX066	3375	E4VF-DB	E5SE-HA	E4AE-AA	E5AE-
	LTD 74D (9.1)	(AOD)	3350				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
	LTD 54D (9.4)	C5058	3375				
	LTD 74D (9.1)	(A/T)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)		3375				
5-1 R07N	LTD 54D (8.5)	AOX066	3375				
	LTD 74D (8.3)	(AOC)	3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird 63D (8.1)		3375				
	Cougar 66D (9.4)						
	LTD 54D (8.5)	C5058	3375		E5SE-GA		
	LTD 74D (8.3)		3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird (8.1)		3375				
	Cougar 66D (9.4)						
5-16N-R06A	LTD 54D (9.4)	AOX066	3375		E5SE-HA		E5AE-
	LTD 74D (9.1)	(AOC)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						
	LTD 54D (9.4)	C5058	3375		E5SE-GA		
	LTD 74D (9.1)	(A/T)	3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	T'Bird 63D (8.9)						
	Cougar 66D (10.3)						

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

R/C 3.8-13

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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 Page 7

Engine Family FFM3.8V5HHC5 Engine Code

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System EEC IV -12A650- Part No.	Fuel System CFI -9C973- Part No.	EGR Valve -9F483- Part No.	Label Ident. -9C485- Part
5-16N-R06N	LTD 54D (8.5)	AOX066 (AOD)	3375	E4VF-DB	E5SE-HA	E4AE-AA	E5AE-
	LTD 74D (8.3)		3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird 63D (8.1)		3375				
	Cougar 66D (9.4)						
	LTD 54D (8.5)	C5058	3375		E5SE-GA		
	LTD 74D (8.3)		3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	T'Bird (8.1)		3375				
	Cougar 66D (9.4)						

Comments: See page one for abbreviations and evaporative emission family identificatio

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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 FFM3.8V5HHC5

Engine Code

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

CID (Liter)-Type 231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System EEC IV -12A650- Part No.	Fuel System CFI -9C973- Part No.	EGR Valve -9F483- Part No.	Label Ident. -9C485- Part
5-16S-R10A	LTD 54D (9.4)	C5058 (A/T)	3375	E53F-AMA	E5SE-GA	E5SE-AA	E5AE-CKP
	LTD 74D (9.1)		3500				
	Marquis 54D (9.4)		3375				
	Marquis 74D (9.1)		3500				
	Thunderbird 63D (8.9)						
	Cougar 66D (9.7)						
5-16S-R10N	LTD 54D (8.5)	C5058 (A/T)	3375				
	LTD 74D (8.3)		3500				
	Marquis 54D (8.5)		3375				
	Marquis 74D (8.3)		3500				
	Thunderbird (8.1)		3375				
	Cougar 66D (8.8)						

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