

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-295
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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GFM3.8V5HHC6	(231) 3.8	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 emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.31	3.7	0.4

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 19th day of July, 1985.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer Ford Motor Company Executive Order No. A-10-295
 Engine Family GFM3.8V5HHC6 Evaporative Family 6FM
 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

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 Features

CCV-Combustion Chamber Vent
 CFI-Central Fuel Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

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

VEHICLE MODELS:

<u>Vehicle Line</u>	<u>Body Type (Cab Style)</u>	<u>Body Code (Wheelbase)</u>
LTD	4-Dr Sedan 4-Dr Wagon	LTD, LTD Brougham LTD, LTD Squire
Mustang	3-Dr Hatch. 2-Dr Sedan 2-Dr Convrt.	Mustang LX Mustang LX Mustang LX
Thunderbird	2-Dr Sedan	T'Bird, T'Bird Elan
Capri	3-Dr Hatch.	Capri GS
Cougar	2-Dr Sedan	Cougar, Cougar LS
Marquis	4-Dr Sedan 4-Dr Wagon	Marquis, Marquis Brougham Marquis

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

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

Manufacturer Ford Motor Company Page 2

Engine Family GFM3.8V5HHC6 Engine Code See Below

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/CFI CID (Liter)-Type 231 (3.8L) - V6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System -12A650- Part No.	Fuel System -9C973- Part No.	EGR Valve -9F483- Part No.	Label Ident. -9C485- Part No.
5-16P-R10A	Mustang 61B Mustang 66B Mustang B2L Capri 61D	C5-020 (A3)	3250 3250 3375 3375	E53F--ASA	E5SE--KA or E6SE--BA	E4AE--AA or E4AE--AB or E4AE--AC	E6AE--ABB
	Mustang 61B Mustang 66B Mustang B2L Capri 61D	AOX066 (A4)	3375 3250 3500 3375				
5-16P-R10N	Mustang 61B Mustang 66B Mustang B2L Capri 61D	C5-020 (A3)	3250 3250 3375 3250		E5SE--KA or E6SE--BA		
	Mustang 61B Mustang 66B Mustang B2L Capri 61D	AOX066 (A4)	3250 3250 3375 3250				
5-16N-R11A	LTD 54D LTD 74D Marquis 54D Marquis 74D Thunderbird63D Cougar 66D	C5-020 (A3)	3375 3500 3375 3500 3500 3500	E53F--APB	E5SE--KA or E6SE--BA		E6AE--ABL
	LTD 54D LTD 74D Marquis 54D Marquis 74D Thunderbird63D Cougar 66D	AOX066 (A4)	3375 3500 3500 3500 3500				
5-16N-R11N	LTD 54D LTD 74D Marquis 54D Marquis 74D Thunderbird63D Cougar 66D	C5020 (A3)	3375 3500 3375 3500 3375 3375		E5SE--KA or E6SE--BA		
	LTD 54D LTD 74D Marquis 54D Marquis 74D Thunderbird63D	AOX066 (A4)	3375 3500 3375 3500 3500				

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -10-295

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

Manufacturer: Ford Motor Company

Page 3

Engine Family GFM3.8V5HHC6

Engine Code See Below

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

CID (Liter)-
Type 231 (3.8L) - V6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System -12A650- Part No.	Fuel System -9C973- Part No.	EGR Valve -9F483- Part No.	Label Ident. -9C485- Part No.
6-16N-R02A	LTD 54D LTD 74D Marquis 54D Marquis 74D Mustang 61B Mustang 66B Mustang B2L Capri 61D Thunderbird63D Cougar 66D	C5-058 (A3)	3375 3500 3375 3500 3250 3250 3375 3375 3500 3500	E63F--BA	E5SE--KA or E6SE--BA	E4AE--AA or E4AE--AC	E6AE--AET
	LTD 54D LTD 74D Marquis 54D Marquis 74D Mustang 61B Mustang 66B Mustang B2L Capri 61D Thunderbird63D Cougar 66D	AOX066 (A4)	3375 3500 3500 3500 3375 3250 3500 3375 3500 3500		E5SE--JA or E6SE--AA		
6-16N-R02N	LTD 54D LTD 74D Marquis 54D Marquis 74D Mustang 61B Mustang 66B Mustang B2L Capri 61D Thunderbird63D Cougar 66D	C5-058 (A3)	3375 3500 3375 3500 3250 3250 3375 3250 3375 3375		E5SE--KA or E6SE--BA		
	LTD 54D LTD 74D Marquis 54D Marquis 74D Mustang 61B Mustang 66B Mustang B2L Capri 61D Thunderbird63D Cougar 66D	AOX066 (A4)	3375 3500 3375 3500 3250 3250 3375 3250 3500 3500		E5SE--JA or E6SE--AA		

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

Manufacturer Ford Motor Company

Page 3

Engine Family GFM3.8V5HHC6

Engine Code 6-16B-R10A/N

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

CID (Liter)-Type 231 (3.8L) V6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System -12A650- Part No.	Fuel System -9C973- Part No.	EGR Valve -9F483- Part No.	Label Ident. -9C485- Part No.
6-16B-R10A	Mustang 61B Mustang 66B Mustang B2L Capri 61B Thunderbird 63D Cougar 66D	AOX066 (A4)	3250 3250 3375 3250 3500 3500	E63F--ADA or E63F--ADB	E6SE--AA	E4AE--AA or E4AE--AC	E6AE--ALZ
6-16B-R10N	Mustang 61B Mustang 66B Mustang B2L Capri 61B Thunderbird 63D Cougar 66D		3250 3250 3375 3250 3375 3500				