

State of California
AIR RESOURCES BOARD.

EXECUTIVE ORDER A-10-306
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>
GFM5.OV5HBC6	302 (5.0)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic 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>
0.16	0.4	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 27th day of August, 1985.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer Ford Motor Company Executive Order No. A-10-306
 Engine Family GFM5.OV5HBC6 Evaporative Family 6HM
 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 Features

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

VEHICLE MODELS:

<u>Vehicle Line</u>	<u>Body Type (Cab Style)</u>	<u>Body Code (Wheelbase)</u>
Mark VII	2-DR Sedan	63D
Continental	4-DR Sedan	54D
Lincoln	4-DR Sedan	54D
Crown Victoria	2-DR/4-DR/Station Wagon	66K/54K/74K
Grand Marquis	2-DR/4-DR/Station Wagon	66K/54K/74K
Thunderbird	2-DR Sedan	63D
Cougar	2-DR Sedan	66D
Mustang	2-DR/3-DR/Convertible	61B/66B/B2L
Capri	3-DR Sedan	61D

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

C.U. # A-10-306

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

Manufacturer Ford Motor Company

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Engine Family GFM5.OV5HBC6

Engine Code

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

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 12A650 Part No.	Fuel System EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part
6-22P-R00A	Must-61B (8.9) Must-66B (9.5) Must-B2L (9.9) Capri-61D (8.9)	AOX070	3500 3625	E6SE-APA E6SE-APB (alt)	E6TE-AB	E6AE-CA	E6AE-AHM
6-22P-R00N	Must-61B (8.1) Must-66B (8.6) Must-B2L (9.0) Capri-61D (8.1)		3500 3625 3500				
6-22Q-R00A	Linc-54D (12.1) Crn Vic-74K (12.5) Crn Vic-66K (11.9) Crn Vic-54K (11.9) Grd Mar-74K (12.5) Grd Mar-66K (11.9) Grd Mar-54K (11.9)	AOX061 AOX059	4250	E6SF-SB E6SF-SL (alt)	E67E-BB E67D-BA(alt) E59E-AB(alt)	E6AE-CA E6AE-DA(alt)	E6AE-A6Y
6-22Q-R00N	Crn Vic-74K (11.4) Crn Vic-66K (10.8) Crn Vic-54K (10.8) Grd Mar-74K (11.4) Grd Mar-66K (10.8) Grd Mar-54D (10.8)		4000 4250				
6-22T-R00A	T'Bird-63D (8.9) Cougar-66D (10.0)	AOX059	3750	E6SF-UB E6SF-UL(alt)	E67E-BB E67E-BA(alt) E59E-AB(alt)	E6AE-CA	E6AE-AHC
6-22T-R00N	T'Bird-63D (8.1) Cougar-66D (9.1)		3625				

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

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

Manufacturer Ford Motor Company

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Engine Family GPM5.OV5HBC6

Engine Code _____

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

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 12A650 Part No.	Fuel System EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part
6-22S-ROOA	Linc-54D (12.1) Crn Vic-74K(12.5) Crn Vic-66K(11.9) Crn Vic-54K(11.9) Grd Mar-74K(12.5) Grd Mar-66K(11.9) Grd Mar-54K(11.9)	AOX069	4250	E65F-TB E65F-TC(alt)		E6AE-CA E6AE-DA(alt)	E6AE-AGY
6-22S-ROON	Crn Vic-74K (11.4) Crn Vic-66K (10.8) Crn Vic-54K (10.8) Grd Mar-74K(11.4) Grd Mar-66K(10.8) Grd Mar-54K(10.8)						
6-22R-ROOA	Mark VII-63D(9.1) Cont-54D (11.0)	AOX068 AOX059	4000	E6SF-XB E6SF-XC(alt)	E67E-BB E67E-BA(alt) E59E-AB(alt)	E6AE-CA	E6AE-AHC
6-22L-ROOA	Mark VII-63D(9.1)	AOX070		E6SF-LA E6SF-LB(alt)	E6TE-AB		E6AE-AHD

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

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

Manufacturer Ford Motor Company

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Engine Family GFM5.OV5HBC6

Engine Code

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

CID (Liter)-
Type

302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans. Manual	Equiv. Test Weight	Ign. System EEC IV 12A650 Part No.	Fuel System EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part
6-21P-RO0A	Mustang 61B (8.9) Mustang 66B Mustang B2L (9.9) Capri 61D (8.9)	M5X335	3500 3375 3625 3500	E6SF-NA E6SF-NB (alt)	E6TE-AB	E6AE-CA	E6AE-AHR
6-21P-RO0N	Mustang 61B (8.1) Mustang 66B (8.6) Mustang B2L (9.0) Capri 61D (8.1)		3500 3375 3625 3500				

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

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

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Engine Family GFM5.OV5HBC6

Engine Code

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

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 EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. Part N
6-22L-R10A	Mark VII 63D (9.1)	AOX070	4000	E6SF-LC	E6TE-AB	E6AE-CA	E6AE-AHD

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 - 1/27/86

Per R/C 5.0-4

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

Manufacturer Ford Motor Company Page 6

Engine Family GFM5.0V5HBC6 Engine Code _____

ECS (Special Features) EEC/EGR/EGS/AIP/TWC/EFI 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 EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part No.
6-22R-R10A	Mark VII-63D(9.1) Continental-54D (11.0)	AOX059 AOX068 AOX059	4000	E6SF-XD	E67E-BB E67E-BA (alt) E59E-AB (alt)	E6AE-CA	E6AE-AHC

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

Manufacturer Ford Motor Company

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Engine Family GFM5.OV5HBC6

Engine Code _____

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

CID (Liter)-
Type _____

302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans. AOD	Equip. Test Weight	Ign. System EEC IV 12A650 Part No.	Fuel System EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part No.
6-23R-R10A	Lincoln 54D (12.5) Crn Vic 74K (12.5) Crn Vic 66K (11.9) Crn Vic 54K (11.9) Grd Marq 74K(12.5) Grd Marq 66K(11.9) Grd Marq 54K(11.9)	AOX061	4250	E6SF-ATA	E67E-BB E67E-BA(alt) E59E-AB(alt)	E6AE-CA E6AE-DA(alt)	E6AE-AGY
6-23R-R10N	Crn Vic 74K (11.4) Crn Vic 66K (10.8) Crn Vic 54K (10.8) Grd Marq 74K(11.4) Grd Marq 66K(10.8) Grd Marq 54K(10.8)		4000 4250				

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

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Engine Family GFM5.OV5HBC6 Engine Code _____

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

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans. Manual	Equiv. Test Weight	Ign. System EEC IV 12A650 Part No.	Fuel System EFI 9F593 Part No.	EGR Valve 9F483 Part No.	Label Ident. 9C485 Part
6-21C-ROOA	Must 61B (8.9) Must 66B (9.5) Must B2L (9.9) Capri 61D (8.9)	MSX335	3500 3375 3625 3500	E6SF-PA	E6TE-AB	E6AE-CA	E6AE-AHR
6-21C-ROON	Must 61B (8.1) Must 66B (8.6) Must B2L (9.0) Capri 61D (8.1)		3500 3375 3625 3500				