

X

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-231  
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 1983 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>
DFM3.8V2GXC8	231 (3.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<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>
0.33	5.8	0.6

BE IT FURTHER RESOLVED: That the listed vehicle 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.

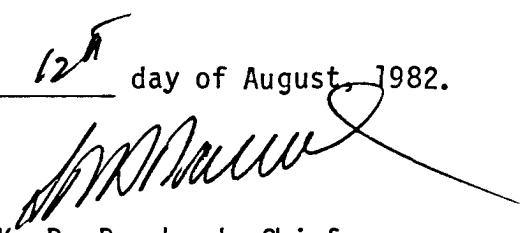
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 12<sup>th</sup> day of August, 1982.

  
K. D. Drachand, Chief  
Mobile Source Control Division

Manufacturer Ford Motor Company Executive Order No. A-10-231 Page 1  
 Engine Family DFM3.8V2GXC8 Evaporative Family 3DM  
 Engine CID (Liters) 231 (3.8L)

## 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-Clean Air Valve  
 CV-Cluster Valve  
 CFI-Central Fuel Injection  
 DID-Direct Injection  
 DIP-Direct Injection-Prechamber  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

<u>Vehicle Line</u>	<u>Body Type</u>	<u>Body Code</u>	<u>Nameplate</u>
Mustang	3 Dr Hatchback	61B	Mustang L, Mustang GL, Mustang GLX
	2 Dr Sedan	66B	Mustang L, Mustang GL, Mustang GLX
	2 Dr Convert.	2BL	Mustang GLX
Thunderbird	2 Dr Sedan	63D	Thunderbird, Thunderbird Heritage
LTD	4 Dr Sedan	54D	LTD
	4 Dr Wagon	74D	LTD, LTD Squire
Capri	3 Dr Hatchback	61D	Capri L, Capri GS, Capri Black Magic
Cougar	2 Dr Sedan	66D	Cougar, Cougar LS
Marquis	4 Dr Sedan	54D	Marquis, Marquis Brougham
	4 Dr Wagon	74D	Marquis

DRIVE SYSTEM: Rear Wheel Drive

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 2

Passenger Cars     Light Duty Trucks     Medium Duty Vehicles     Gas     Diesel  
 Manufacturer Ford Motor Company    E.O. #A -10-231  
 Engine Family DFM3.8V2GXC8    CID (Liter) - Type 231 V6  
 ECS (Special Features) AIP, EGR, OL w/TWC

Engine Code	Vehicle Models ( Dyno Hp)	Trans	Equiv Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident Part No.
-14N-04A*	LTD 54 (9.4)	AOX025 AEX036 2/	3375 <u>1/</u>	E2SE-12127-DA	E3SE-9510-JA	E3ZE-9D448-AA	D3AE-9485-01
	LTD 74D (11.2)		3500 <u>1/</u>				
	MRQS 54D (9.4)		3375 <sup>(3)</sup>				
	MRQS 74D (11.2)		3500 <sup>(3)</sup>				
	TBR3-63D (8.9)		3500				
	Coug 66D (10.3)		3375 <sup>(4)</sup>				
3-14N-R04N	LTD 54D (8.5)		3375	E2SE-12127-DA	E3SE-9510-KA	E3ZE-9D448-AA	D3AE-9485-01
	LTD 74D (10.2)		3500				
	MRQS 54D (8.5)		3375 <u>1/</u>				
	MRQS 74D (10.2)		3500 <u>1/</u>				
	TBR3-63D (8.1)		3375 <sup>(4)</sup>				
	Coug 66D (9.4)		3375				

Comments: See page one for abbreviations and evaporative emission family identification. If two test weights are listed, the lower weight will be used for testing.

\*With Air Conditioning

Date of Issue: 3.8-33  
 Revisions: 1/ Per R/C 3.8-12    (4) R/C 3.8-33  
               2/ Per R/C 3.8-14  
               (3) Per R/C 3.8-37

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page No. 3

Passenger Cars      Light Duty Trucks      Medium Duty Vehicles      x Gas      Diesel

Manufacturer Ford Motor Company E.O. #A -10-231

Engine Family DFM3.8V2GXC8 CID (Liter) - Type 231 V6 (3.8)

ECS (Special Features) AIP, EGR, OL w/TWC

Engine Code	Vehicle Models ( Dyno Hp)	Trans	Equip Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident Part
3-14Q- R01A*	TBR3-63D (8.9)  Cougar 66D (10.3)	C5-045	3500  3500	E3ZE-12127-FA	E3SE-9510-NA	E3ZE-9D448- BA	D3AE- 9C485 DLD
3-14Q- R01A*	TBR3 63D (8.1)  Coug 66D (9.4)		3375 <sup>(4)</sup>  3375		E3SE-9510-PA		
3-14P- R04A*	Must 61B (9.5)  Must 66B (9.4) Must B2L (11.2) Capri (9.1)	C5042	3250  3250 3375 <u>2/</u> 3250	E2SE-12127-BA	E3CE-9510-GA	E3SE-9D448- AA	D3AE-9 DLE
3-14P- R04N	Must 61B (8.6) Must 66B (8.5) Must B2L (10.2) Capri (8.3)		3250 3125 3250 <u>3/</u> 3125		E3CE-9510-HA		

Comments: See page one for abbreviations and evaporative emission family identification.  
If two test weights are listed, the lower weight will be used for testing.

\*With Air Conditioning

of Issue: APR 29 82

Revisions: 2/ Dual Cert 3375/3250

3/ Per R/C 3.8- 31 ; 4-27-83

(4) R/c 3.8-33

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page No 4

Passenger Cars      Light Duty Trucks      Medium Duty Vehicles      x Gas      Diesel

Manufacturer Ford Motor Company E.O. #A -10-231

Engine Family DFM3.8V2GXC8 CID (Liter) - Type 231 V6 (3.8)

ECS (Special Features) AIP, EGR, OL w/TWC

Engine Code	Vehicle Models Dyno Hp	Trans	Equiv Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident Part
3-14Q-R10A* <u>1/</u>	TBR3-63D (8.9)	C5-045	3500	E3ZE-12127-FA	E3SE-9510-BFA	E3ZE-9D448-BA	E3AE-9C485-DSH
	Cougar 66D (10.3)		3500				
3-14Q-R10A* <u>1/</u>	TBR3 63D (8.1)		3375 <sup>(3)</sup>		E3SE-9510-BGA		
	Coug 66D (9.4)		3375				
3-14P-R10A* <u>1/</u>	Must 61B (9.5)	C5042	3250	E2SE-12127-BA	E3CE-9510-JA	E3SE-9D448-AA	E3AE-9DSG
	Must 66B (9.4)		3250				
	Must B2L (11.2)		3375				
	Capri (9.1)		3250				
3-14P-R10A* <u>1/</u>	Must 61B (8.6)		3250		E3CE-9510-KA		
	Must 66B (8.5)		3125				
	Must B2L (10.2)		3250 <u>2/</u>				
	Capri (8.3)		3125				

Comments: See page one for abbreviations and evaporative emission family identification. If two test weights are listed, the lower weight will be used for testing.

\*With Air Conditioning

of Issue: 12/13/82

Revisions: 1/ Per R/C 3.8-9  
2/ Per R/C 3.8-31, 4-27-83  
(3) R/C 3.8-33

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-231

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

Manufacturer Ford Motor Company

Page 5

Engine Family DFM3.8V2GXC8

Engine Code \_\_\_\_\_

ECS (Special Features) \_\_\_\_\_

CID (Liter)-  
Type

231 (3.8L)

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equip. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
3-14Q-R11A/N <u>1/</u>	Thunderbird-63D (8.1)  Cougar-66D (9.4)	C5-045	3375 <u>2/</u>  3375 <u>2/</u>	E3ZE-12127- FA	E3SE-9510-BFA (A/C)  E3SE-9510-BGA (non A/C)	E3SE-9D474- BA	E3SA- 9C485- DSH

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

1/ Per R/C 3.8-35

2/ Dual Cert. 3500/3375