

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-286
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:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| FFM2.3V5HCH6 | 140 (2.3) | 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":

| <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 the above engine family:

| <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|---|---|
| 0.31 | 2.4 | 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 20th day of August, 1984.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer Ford Motor Company Executive Order No. A-10-286
 Engine Family FFM2.3V5HCH6 Evaporative Family 5FM
 Engine CID (Liters) 140 (2.3)

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
 -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
 TOC-Trap Oxidizer Continual
 TOP-Trap Oxidizer Periodical
 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
 IC - Intercooler
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

VEHICLE MODELS:

| <u>Vehicle Line</u> | <u>Body Type</u> | <u>Body Code</u> | |
|---------------------|------------------|------------------|------------------|
| <u>Ford</u> | | | |
| Tempo | 2-Door | 66D | Tempo L, GL, GLX |
| | 4-Door | 54D | |
| <u>Mercury</u> | | | |
| Topaz | 2-Door | 66D | Topaz L, GS, LS |
| | 4-Door | | |

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

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

Manufacturer Ford Motor Company Page 5

Engine Family FFM2.3V5HCH6 Engine Code _____

ECS (Special Features) EGR/AIP/TWC/EEC/CL(CFI) CID (Liter)-Type 140 (2.3) I-4

| Engine Code | Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp) | Trans. | Equiv. Test Weight | Ign. System EEC-IV Part No. | Fuel System CFI Part No. | EGR Valve Part No. | Label Ident Part |
|-------------|--|--------|--------------------|-----------------------------------|--------------------------------|-----------------------|------------------------|
| 5-26R-R11A | FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D | AT | 2875 | E53F-12A650-EA | E53E-9C973-DB | E53E-9F483-BC | E5AE-9C CHE |
| 5-26R-R11N | FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D | | 2750 2875 | | | | |
| 5-25Q-R10A | FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D | MTX-5 | 2875 | E53F-12A650-GA | E53E-9C973-CB | E53E-9F483-AC | E5AE-9C CEY |
| 5-25Q-R10N | FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D | | 2750 2875 | | | | |

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

*All DPA values are: 6.3 non-A/C

Engine Family F2.3VCH

| | | | | | | | | |
|------------|----------|---------|--|--|--|--|--|--|
| Issue Date | 10-17-84 | 16.03-7 | | | | | | |
| Revised | | | | | | | | |

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-286

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

Manufacturer Ford Motor Company

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Engine Family FFM2.3V5HCH6

Engine Code 5-26R-R16

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

CID (Liter)-Type 140 (2.3) I-4

| Engine Code | Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp) | Trans. | Equiv. Test Weight | Ign. System Part No. | Fuel System Part No. | EGR Valve Part No. | Label Ident. Part No. |
|-------------|--|------------|--------------------|-------------------------|-------------------------|-----------------------|--------------------------|
| 5-26R-R16A | FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D | AT (A3) | 2875 3000 | E63F-12A650-TJE | E63F-9C973-FA | E53E-9F483-BC | E5AE-9C485-CUZ |
| 5-26R-R16N | FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D | | 2750 | | | | |

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

R/c 2.3P-17 081385

Engine Family F2.3 VCH