

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-274  
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<br/>Cubic Inches (Liters)</u> |     | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>   |
|----------------------|---|-----|--|
| FFM1.6V5HMT2         | 98  | 1.6 | Air Injection - Valve<br>Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop<br>(Electronic Fuel Injection)<br>(Turbocharger) |

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<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.41                                   | 7.0                                       | 0.7                                       |

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

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.16                                   | 1.4                                       | 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 2<sup>nd</sup> day of July, 1984.



K. D. Drachand, Chief  
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company

Executive Order No. A-10-274

Engine Family FM1.6V5HMT2

Evaporative Family 5HM

Engine CID (Liters) 98 (1.6)

ABBREVIATIONS

Ignition System

- CA-Centrifugal Advance
- EC-Electronic Engine Control
- EI-Electronic Ignition
- ES AC-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 Valve
- CFI-Central Fuel Injection
- DID-Diesel Injection-Direct
- DIP-Diesel Injection Prechamber

Fuel System

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

- MFI-Mechanical Fuel Injection
- TC-Turbocharged

| <u>Vehicle Line</u> | <u>Body Type (Cab Style)</u> | <u>Body Code (Wheelbase)</u> |
|---------------------|------------------------------|------------------------------|
| Ford Escort         | 3-Door                       | 61D                          |
| Mercury Lynx        | 3-Door                       | 61D                          |
| Ford EXP            | 3-Door                       | 67D                          |

Front Engine/Front Wheel Drive

Engine Family F1.6VMT

|            |         |         |  |  |  |  |  |  |  |
|------------|---------|---------|--|--|--|--|--|--|--|
| Issue Date | 5/15/84 | 16.03-2 |  |  |  |  |  |  |  |
| Revised    |         |         |  |  |  |  |  |  |  |

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E.O. #A-10-274

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

Manufacturer Ford Motor Company Page 2

Engine Family FFM1.6V5HMT2 Engine Code 4-27T-R10A/N

ECS (Special features) EGR/AIP/TWC/EFI/Turbo) CL CID (Liter)-Type 98 (1.6) I-4

| Engine Code | Vehicle Models<br>(If Coded see attachment)<br>Dyno Hp) | Trans. | Equiv. Test Weight | Ign. System<br>EEC IV Part No. | Fuel System<br>EFI Part No. | EGR Valve<br>Part No. | Label<br>Ident Part |
|-------------|---|--------|--------------------|--------------------------------|-----------------------------|-----------------------|---------------------|
| 4-27T-R10A  | Esct-61D(6.4)   | M-50D  | 2625               | E5ZF-12A650-HA                 | E4EX-9H487-AD               | E4EE-9D475-DA         | E5AE-9C485-CDJ      |
|             | Lynx-61D(6.4)   |        |                    |                                |                             |                       |                     |
|             | EXP-67D (6.0)   |        |                    |                                |                             |                       |                     |
| 4-27T-R10N  | Esct-61D(5.8)   |        |                    |                                |                             |                       |                     |
|             | Lynx-61D(5.8)   |        |                    |                                |                             |                       |                     |
|             | EXP-67D (5.5)   |        |                    |                                |                             |                       |                     |

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

Front Engine/Front Wheel Drive

Engine Family F1.6VMT