

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-413  
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 1990 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LFM1.3V5FXC3 Displacement: 1.3 Liters ( 81 Inches<sup>3</sup>)  
Equipped with the following exhaust emission control systems:

- Oxygen Sensor
- Three-Way Catalyst
- Multipoint Electronic Fuel Injection
- On-Board Diagnostics (Exempted)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the exhaust emission standards for this engine family:

| <u>Hydrocarbons</u><br><u>(Grams per Mile)</u> | <u>Carbon Monoxide</u><br><u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u><br><u>(Grams per Mile)</u> |
|--|---|---|
| 0.39   | 7.0   | 0.4   |

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

| <u>Hydrocarbons</u><br><u>(Grams per Mile)</u> | <u>Carbon Monoxide</u><br><u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u><br><u>(Grams per Mile)</u> |
|--|---|---|
| 0.18   | 2.1   | 0.3   |

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 Code of Regulations, 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 1988 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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

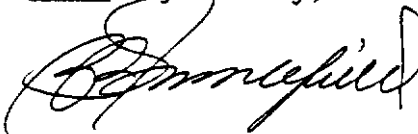
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 provisions (California Health and Safety Code Section 43205).

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 24<sup>th</sup> day of July, 1989.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer FORD MOTOR COMPANY Eng. Family LFM1.3V5FXC3

Pass Cars XXX Lt-Duty Trucks      Med-Duty Vehicles      Gas X Diesel     

Eng. Type I-4 Liter (CID) 1.3 (80.7) Evap. Family OHA

Emission Control Sys. (Use SAE Abbrv.) TWC, OS, EPFL, OBD

Engine: Front XXX Mid.      Rear      Drive: FWD XXX RWD      4WD-FT      4WD-PT     

| Eng. Code/ (Cert Std.)  | Veh. Models (If Coded see Attachmt.) | Trans. Type: A-Auto M-Man. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. | EGR Syst. Part No | Catalyst Part No. B359 20 |
|---|--------------------------------------|----------------------------|--------------------|-------------|-------------------------------|-------------------|---------------------------|
| OCB3EMOA  | FESTIVA                              | M-5                        | 2125               | 7.9*<br>7.7 | B376 18 881C                  | N/A               | 600                       |
|   |                                      |                            |                    |             | B376 18 881D                  | "                 | "                         |
| OCB3EMON  | FESTIVA                              | M-5                        | 2125               | 7.2*<br>7.0 | B376 18 881C                  | N/A               | 600                       |
|   |                                      |                            |                    |             | B376 18 881D                  | "                 | "                         |
| OCB3EA0A  | FESTIVA                              | A-3                        | 2250               | 8.0*        | B376 18 881C                  | N/A               | 600                       |
|   |                                      |                            |                    |             | B376 18 881D                  | "                 | "                         |
| OCB3EAON  | FESTIVA                              | A-3                        | 2250               | 7.3*        | B376 18 881C                  | N/A               | 600                       |
|   |                                      |                            |                    |             | B376 18 881D                  | "                 | "                         |
| Certification Standards<br>NMHC: 0.39<br>CO: 7.0<br>NOx: 0.4<br>Evap: 2.0 |                                      |                            |                    |             |                               |                   |                           |

\*P165/70SR12 tire