

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-430
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: LFM2.3V5FXCO Displacement: 2.3 Liters (140 Inches³)
Equipped with the following exhaust emission control systems:

- Exhaust Gas Recirculation
- Heated Oxygen Sensor
- Three-Way Catalyst
- Pulsed Secondary Air
- 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> <u>(Grams per Mile)</u> | <u>Carbon Monoxide</u> <u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u> <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> <u>(Grams per Mile)</u> | <u>Carbon Monoxide</u> <u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u> <u>(Grams per Mile)</u> |
|--|---|---|
| 0.14 | 3.0 | 0.2 |

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 27th day of July, 1989.

Norman Kaye for
K. D. Drachard, Chief
Mobile Source Division

Manufacturer FORD MOTOR COMPANY Eng. Family LFM2.3V5FXCOPass Cars XX Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel Eng. Type I-4 Liter (CID) 2.3L (140.4) Evap. Family 9HMEEmission Control Sys. (Use SAE Abbrv.) TWC, PAIR, HO2S, EGR, MPI, OBDEngine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT

| CARLINE | TRANS | ETW | RLHP | |
|-----------------|-------|------|------|-----|
| | | | NAC | A/C |
| Tempo/Topaz 2WD | man | 2750 | 6.6 | 7.3 |
| Goodyear tires | man | 2875 | " | " |
| | man | 3000 | " | " |
| | auto | 2750 | " | " |
| | auto | 2875 | " | " |
| | auto | 3000 | " | " |
| Tempo/Topaz 2WD | man | 2750 | 6.4 | 7.0 |
| Michelin tires | man | 2875 | " | " |
| | man | 3000 | " | " |
| | auto | 2750 | " | " |
| | auto | 2875 | " | " |
| | auto | 3000 | " | " |
| Tempo/Topaz 4WD | auto | 3000 | 8.1 | 8.9 |
| Goodyear tires | auto | 3125 | " | " |
| Tempo/Topaz 4WD | auto | 3000 | 8.2 | 9.0 |
| Michelin tires | auto | 3125 | " | " |

Engine Family: L2.3VXC
 Issued: 6-22-89
 Revised:

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Manufacturer FORD MOTOR COMPANY Eng. Family LFM2.3V5FXC0Pass Cars XX Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel Eng. Type I-4 Liter (CID) 2.3L (140.4) Evap. Family 9HMEEmission Control Sys. (Use SAE Abbrv.) TWC, PAIR, HO2S, EGR, MPI, OBDEngine: Front X Mid. Rear Drive: FWD X 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. 12A650 | EGR Syst. Part No 9D475 | Catalyst Part No. 5E212 |
|---------------------------|---|----------------------------------|--------------------|-------------|--|----------------------------|----------------------------|
| 026RR00A/N | TEMPO/TOPAZ 2DR | A (2WD) | 2875 3000 | SEE PG 1 | FOTF-XA | E6AE-BA | F03C-CB |
| | 4DR | | 3000 | | " | " | " |
| 026TR00A/N | TEMPO/TOPAZ 2DR | A (2WD) | 2875 3000 | | FOTF-ABA | E6AE-BA | F03C-DB |
| | 4DR | | 3000 | | " | " | " |
| | 2DR/4DR | A (4WD) | 3125 | | | | |
| 025QR00A/N | TEMPO/TOPAZ 2DR | M | 2875 3000 | | FOTF-VA | E6AE-BA | F03C-CB |
| | 4DR | | 3000 | | " | " | " |
| 025PR00A/N | TEMPO/TOPAZ 2DR | M | 2875 3000 | - | FOTF-YA | E6AE-BA | F03C-CB |
| | 4DR | | 3000 | | " | " | " |

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