State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-431
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: LFM3.8V5FFC3 Displacement: 3.8 Liters (231 Inches$^3$)
Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Dual Heated Oxygen Sensors
Dual Three-Way Catalysts, Three-Way Catalyst
Sequential 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:

| Hydrocarbons (Grams per Mile) | Carbon Monoxide (Grams per Mile) | Nitrogen Oxides (Grams per Mile) |
|---|---|---|
| 0.39 | 7.0 | 0.4 |

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

| Hydrocarbons (Grams per Mile) | Carbon Monoxide (Grams per Mile) | Nitrogen Oxides (Grams per Mile) |
|---|---|---|
| 0.18 | 2.5 | 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 Fujimoto for
K. D. Drachand, Chief
Mobile Source Division

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Manufacturer FORD MOTOR COMPANY Eng. Family LFM3.8V5FFC3

Pass Cars XXX Lt-Duty Trucks___ Med-Duty Vehicles___ Gas XXX Diesel___

Eng. Type V6 Liter (CID) 3.8 (231) Evap. Family 9HM

Emission Control Sys. (Use SAE Abbrv.) EGR, TWC, DUAL TWC, SMPI, DUAL HO2S, OBD (Exempted)

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. -12A650- | EGR Syst. Part No -9D475- | Catalyst Part No. |
|---|---|---|---|---|---|---|---|
| 9-16Q-R10N | TAURUS<br>TAURUS S/W<br>SABLE<br>SABLE S/W | A4 | 3500<br>3625<br>3500<br>3625 * | 5.8<br>7.4<br>5.8<br>7.4 | E9SF-FB<br>(alt) -FC<br>F0SF-TA<br>(alt) | E9SE-AA | E9DC<br>-5F250-<br>FA<br>(alt)-FB<br>-plus-<br>E7DC<br>-5E212-<br>BB |
| 9-10Q-R10A | TAURUS<br>TAURUS S/W<br>SABLE<br>SABLE S/W | A4 | 3500<br>3750<br>3625<br>3750 | 6.4<br>8.1<br>6.4<br>8.1 | | | |
| 0-16D-R05A | CONTINENTAL | A4 | 3875 * | 8.2 | F0SF--AB | E9SE-AA<br>(alt)<br>E6AE-BA | E9DC<br>-5F250-<br>FA<br>-plus-<br>E7DC<br>-5E212-<br>BB |

* ACTUAL EQUIVALENT TEST WEIGHT (ETW) PER 86.129.80 AS SHOWN; HOWEVER, FORD ELECTS TO CONDUCT TESTS IN THE NEXT HIGHER ETW.



Engine Family: L3.8VFC
Issued: 06-26-89
Revised: 09-22-89 2-14-90