State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-510
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 1993 model Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PFM2.0V5FZC1 Displacement: 2.0 Liters (122 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst
Exhaust Gas Recirculation
Heated Oxygen Sensor
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|
| 50,000 | 0.39 | 7.0 | 0.4 |

The certification exhaust emission values for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|
| 50,000 | 0.12 | 1.3 | 0.2 |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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

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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 19th day of March, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-510

# 1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family PFM2.0V5FZC1

Pass Cars X Lt-Duty Trucks __ Med-Duty Vehicles __ Fuel Type Unleaded

Eng. Type I-4 Liter (CID) 2.0L (121.5) Evap. Family 3HD

Emission Control System & Special Features TWC/EGR/HO2S/SFI
(Use abbreviations per SAE J1930 June88)

Engine: 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. | ETW | RLHP | Ign. Sys. (PCME/PROM) Part No. | EGR Syst. Part No -20 300B | Catalyst Part No. -20- |
|---|---|---|---|---|---|---|---|
| 3CFSDM0A | PROBE | M-5 | 2875<br>3000$ | 6.7@<br>6.8# | FS17 18 881A | FS06 | FS01 600A<br>FS01 600B |
| 3CFSDM0N | PROBE | M-5 | 2875<br>3000$ | 6.1@<br>6.2# | " " | " " | " " |
| 3CFSDA0A | PROBE | A-4 | 3000 | 6.7@<br>6.8# | FS10 18 881C<br>FS10 18 881D | " " | " " |
| 3CFSDA0N | PROBE | A-4 | 3000 | 6.7@<br>6.8# | " " | " " | " " |

Certification Standards
NMHC: 0.39
CO: 7.0
NOx: 0.4
EVAP: 2.0
Idle HC: 220 *1
100 *2
Idle CO: 1.2 *1
1.0 *2

*1: at 2500 rpm N/L
*2: at idle
@: P205/55R15 87S tire
#: P195/65R14 88S tire
$: added per R/C 2.0-2

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