State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-241
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 1983 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles.

| Engine Family | Displacement Cubic Inches | (Liters) | Exhaust Emission Control Systems (Special Features) |
|---|---|---|---|
| DFM5.8T2HBFX | 351 | (5.8) | Air Injection - Pump<br>Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

| Equivalent Inertia Weight | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| 4000-5999 | 0.50 | 9.0 | 1.0 |

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

| Equivalent Inertia Weight | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| 4000-5999 | 0.37 | 1.4 | 1.0 |

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 the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 12th day of August, 1982.

K. D. Drachand, Chief
Mobile Source Control Division

# 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET



Manufacturer Ford Motor Company

Executive Order No. A-1D-241

Engine Family DFM5.8T2HBFX

Evaporative Family 3EO

Engine CID (Liters) 351 (5.8L)

ABBREVIATIONS

| Ignition System | Exhaust Emissions Control System | Special Features |
|---|---|---|
| CA-Centrifugal Advance | AIP-Air Injection-Pump | CCV-Combustion Chamber Valve |
| EEC-Electronic Engine Control | AIV-Air Injection-Valve | CFI-Central Fuel Injection |
| EI-Electronic Ignition | CL-Closed Loop | DID-Diesel Injectin-Direct |
| ES AC-Electronic Spark Advance Control | EGR-Exhaust Gas Recirculation | DIP-Diesel Injection Prechamber |
| VA-Vacuum Advance | EM-Engine Modification | |
| VR-Vacuum Retard | OC-Oxidation Catalyst System | |
| | TR-Thermal Reactor | |
| | TWC-Three Way Catalyst System | |

Fuel System

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

MFI-Mechanical Fuel Injection
TC-Turbocharged

| Vehicle Line | Body Type (Cab Style) | Body Code (Wheelbase) |
|---|---|---|
| F150 4x2 | Regular Cab | LWB |
| F150 4x2 | Super Cab | LWB<br>SWB |
| F150 4x4 | Regular Cab | LWB<br>SWB |
| F150 4x4 | Super Cab | LWB |

Drive System : Front engine with rear wheel and four wheel drive

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company I.D. #A-10-241

Engine Family DFM5.8T2HBFX CID (liter) - Type 351 (5.8L)-V8

ECS (Special Features) EGR/AIP/CL/OC TWC/OC

| Engine Code | Vehicle Models (Dyno. Hp.) | Trans. | Equiv. Test Weight | Ign. System EEC Part No. | Fuel System VV Part No. | EGR Valve Part No. | Label Ident. Part No. |
|---|---|---|---|---|---|---|---|
| 1-64T-R12B | F150 4x2<br>R (15.4)* | C6-009 | 4250<br>4500 | E2VF-12A649-NA | E2TE-9510-CCC/CCB | E0AE-9F483-AA | |
| | F150 4x4<br>R (15.8)*RC<br>B (20.0)*<br>R (18.1)*SC | | 4500<br>4750 | | | | |

Comments: See page one for abbreviations and evaporative emission family identification. If two test weights are listed, the lower weight will be used for testing.

* With Air Condtioning

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