

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-243  
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 diesel-powered light-duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DFM2.2K6JAC1	135 (2.2)	Engine Modifications (Diesel Injection - Prechamber)

Vehicle Models, Transmissions, Engine Codes 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:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.41	9.0	1.0

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

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.19	0.7	0.9

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's 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 10<sup>th</sup> day of November, 1982.



K. D. Drachand, Chief  
Mobile Source Control Division

1983 Air Resources Board Supplemental Data Sheet

Manufacturer Ford Motor Co Executive Order No. A-10-243 Page 1  
 Engine Family DFM2.2K6JA C1 Evaporative Family None  
 LDT Gas  Diesel Engine CID (Liters) 135 (2.2L)  
 Engine Type I-4, diesel

ABBREVIATIONS

Ignition System

CA - Centrifugal Advance  
 EEC - Electronic Engine Control  
 EI - Electronic Ignition  
 ESAC - Electronic Spark Advance Control  
 VA - Vacuum Advance  
 VR - Vacuum Retard

Exhaust Emissions Control System

AIP - Air Injection-Pump  
 AIV - Air Injection-Valve  
 CL - Closed Loop  
 EGR - Exhaust Gas Recirculation  
 EM - Engine Modification  
 OC - Oxidation Catalyst System  
 TR - Thermal Reactor  
 TWC - Three Way Catalyst System

Special Features

CCV - Combustion Chamber Valve  
 CFI - Central Fuel Injection  
 DID - Diesel Injection-Direct  
 DIP - Diesel Injection-Prechamber  
 MFI - Mechanical Fuel Injection  
 TC - Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV - nVenturi Carburetor  
 V - Variable Venturi

Drive System: Rear Wheel Drive

ECS (Special Features) MFI, DIP

Engine Code	Vehicle Models (Dyno. Hp./ETW)	Trans.	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
3-47S-R00B	Ranger 4x2 (10.0/3250)	Z4-436 (M4)	Not Applicable	S242-13-800	Not Applicable	

Truck Line  
Ranger 4x2

Cab Style  
Reg Cab

Wheel Base  
SWB  
LWB