

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-323  
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 1987 model-year Ford Motor Company exhaust emission control systems are certified as described below for diesel-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HFM2.0D6JBB4	122 (2.0)	Exhaust Gas Recirculation (Diesel Injection - Prechamber)

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>	<u>Particulates Grams per Mile</u>
0.46	8.3	1.0	0.2

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>	<u>Particulates Grams per Mile</u>
0.17	0.5	0.9	0.1

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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) 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 regulations (Title 13, California Administrative Code, 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 4<sup>th</sup> day of September, 1986.



K. D. Drachand, Chief  
Mobile Source Division

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-323  
 Engine Family HFM2.0D<sup>6</sup>JBB4 Evaporative Family NA  
 Engine CID (Liters) 122 (2.0D)

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 Feature

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

Fuel System

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

VEHICLE MODELS:

<u>Vehicle Line</u>	<u>Body Type (Cab Style)</u>	<u>Body Code (Wheelbase)</u>
Escort/Lynx	Wagon	74D
	Sedan	61D
	5-Door	58D
Tempo/Topaz	2-Door	66D
	4-Door	54D

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-323

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

Manufacturer Ford Motor Company Page 2 of 3

Engine Family HFM2.0D6JBB4 Engine Code 737BRO0A/N

ECS (Special Features) EGR(DIP) CID (Liter)- 122 (2.0)  
Type I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System <i>INJ. PUMP</i> Part No.	EGR Valve Part No.	Label Ident. -9C485- Part No.
737BRO0A/N	Escort/Lynx A/C 7.5 (non-A/C 6.8)	M393A		RF67-13-800-E	<i>RF70-13-800E</i>	RF66-20-300	E7AE-CBG
	74D		2875				
	74D		2750				
	61D		2750				
	58D	2750					
	Tempo/Topaz A/C 7.3 (non-A/C 6.6)	M393B					
	66D		3000				
	66D		2875				
	54D	3000					

Comments: See page one for abbreviations and evaporative emission family identification.

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company    Page 3 of 3

Engine Family HFM2.0D6JBB4    Engine Code 737AR00N

ECS (Special Features) EGR (DIP)    CID (Liter)-122 (2.0)  
Type I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System <i>INJ. PUMP</i> Part No.	EGR Valve Part No.	Label Ident. -9C485- Part No.
737AR00N	Escort/Lynx A/C 7.5 (non A/C 6.8) 61D	M-5 M393A	2625 2625	RF70-13-800-E	<i>RF70-13-800E</i>	RF66-20-300	E7AE-CFB

Comments: See page one for abbreviations and evaporative emission family identification.