

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-277
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 1985 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>		<u>Exhaust Emission Control Systems (Special Features)</u>
FFM1.6V5HMC2	98	(1.6)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.32	4.1	0.7

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 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 2036) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 2nd day of July, 1984


K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company

Executive Order No. A-10-277

Engine Family FFM1.6V5HMC2

Evaporative Family 5HM

Engine CID (Liters) 98 (1.6)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 EC-Electronic Engine Control
 EI-Electronic Ignition
 SAS AC-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

Fuel System

EFI, CL, DID, DIP, EFI, MFI
 V-Venturi Carburetor
 V-Venturi Variable Venture

MFI-Mechanical Fuel Injection
 TC-Turbocharged

Vehicle Line

Body Type (Cab Style)

Body Code (Wheelbase)

Ford Escort

3-Door
 5-Door
 Wagon

58D
 61D
 74D

Front Engine/Front Wheel Drive

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-277

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

Manufacturer Ford Motor Co.

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Engine Family FFM1.6V5HMC2

Engine Code 4-27A-R02A/N

Code 4-28A-R00A/N

ECS (Special Features) EGR/AIP/TWC/EFI

CID (Liter)-
Type

98 (1.6) I-4

Engine Code	Vehicle Models (If Coded see attachment) Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label
				EEC IV Part No.	EFI Part No.	Part No.	Part
4-27A-R02A	ESCT-61D(6.4) 58D(6.4) 74D(6.9)	M50D	2625	E4GF- 12A650- AA	E4EE- 9H487- BB	E4EE- 9D475- AA	E5AE- 9C485- CCL
4-27A-R02N	ESCT-61D(5.8) 58D(5.8) 74D(6.3)		2500 2625				
4-28A-R00A	ESCT-61D(6.4) 58D(6.4) 74D(6.9)	A3	2625 2750				E5AE- 9C485- CCM
4-28A-R00N	ESCT-61D(5.8) 58D(5.8) 74D(6.3)		2625 2750				

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