

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-217
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 Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 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>
CFM5.0V2HDC5	302 (5.0)	Air Injection - Pump Exhaust Gas Recirculation 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 1982 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

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>
0.27	4.0	0.7

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 in El Monte, California, this 8th day of July, 1981.


K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-217 Page 1
 Engine Family CFM5.0V2HDC5 Evaporative Family 2EQ
 Engine CID (Liters) 302 (5.0)

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

Fuel System

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

MFI-Mechanical Fuel Injection
 TC-Turbocharged Code

<u>Vehicle Model</u>	<u>Body Type</u>	<u>Code</u>	
Ford LTD	2-Door Sedan	66H	
	4-Door Sedan	54H	
	LTD Crown Victoria	2-Door Sedan	66K
		4-Door Sedan	54K
	LTD Colony Park	Station Wagon	74K
	LTD S	4-Door Sedan	54D
	LTD S Wagon	Station Wagon	74D
	LTD Wagon	Station Wagon	74H
Mercury Brougham	2-Door Sedan	66K	
	Colony Park	Station Wagon	74K
	Grand Marquis	2-Door Sedan	66L
		4-Door Sedan	54L
	Marquis	4-Door Sedan	54H
		Station Wagon	74H
Marquis Brougham	4-Door Sedan	54K	

DRIVE SYSTEM: Rear Wheel Drive

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company E.O. #A-10-217

Engine Family CFM5.0V2HDC5 CID (liter) - Type 302 (5.0) - V8

ECS (Special Features) AIP, EGR, TWC w/CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Part No.	Fuel System VV Part No.	EGR Valve Part No.	Label Ident. Part No.
1-20N-R10A/N	Ford* 74D 74H 74K	A-4	4250	E1AE-12127- KA	E1AE-9510- SA or E2AE-9510- MA	E1AE-9D448- AB or ZA	ANB
	Mercury* 54K 54L 66L 74H 74K						
1-20N-R10N	Ford* 54K		4000				
	Mercury* 54H 66K						
1-20N-R10A - (w/AC)	Ford* 54K		4250				
	Mercury* 54H		4250, 4000				
	Ford* 54D 66H		4250, 4000				
	54H 66K		4000**				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 7-9-81

Revisions: **1-5-82 RC#4.2/5.0-221 (rev ETW)