State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-256
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 1984 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
EFM2.3T1HKG9	140	(2.3)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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":

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.39	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.24	3.0	1.0

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 8th day of August, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company

Executive Order No. A-10-256

Engine Family EFM2.3T1HKG9 (E2.3TKG)

Evaporative Family 4GM

Engine CID (Liters) 140 (2.3)

ABBREVIATIONS

Ignition System

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

Fuel System

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

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 Va
CFI-Central Fue Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

VEHICLE MODELS:

Vehicle Line	Cab Style	Wheelbase
Ranger 4x2	Regular Cab	Short
	Regular Cab	Long
	Regular Chassis Cab	Long
Ranger 4x4	Regular Cab	Short
	Regular Cab	Long
Bronco II	Bronco II	Standard

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

Engine Family E2.3TKG

Issue Date	JUN 30 1983									
Revised										

E.O. #A-10-256

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company Page 2

Engine Family EFM2.3T1HKG9 (E2.3TKG) Engine Code

CID (Liter)- 140 (2.3)

ECS (Special Features) AIP/EGR/TWC/OC/CL Type I4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System MCU (dist.-CA,VA) Part No.	Fuel System IV Part No.	EGR Valve Part No.	Label Ident. Part N
3-50S R18A/N	Ranger 4x2 SWB	C3 021 (A3)	3000	E27F-12A651-CA (E37E-12127-FA)	E37E-9510-BB	E37E-9H495-MB	AEK
	LWB						
3-49S R16A/N	Ranger 4x2 SWB	Y4 396 (M4)	2875	E37F-12A651-CA (E27E-12127-BA)	E37E-9510-LB	E37E-9H495-JB	AEE
	LWB		3000				
	SWB	Y5X396 (M5)	2875				
	LWB		3000				
3-49T R20A/N	Ranger 4x4 SWB	Y4 396	3250	E27F-12A651-DA (E27E-12127-AA)	E37E-9510-NB	E37E-9H495-JB	AEF
	LWB						
	Bronco II Std.		3375				
	Ranger 4x4 SWB	Y5X396	3250				
	LWB						
	Bronco II Std.		3375				
	Ranger 4x2 Chassis Cab LWB	Y4 396	3375				AEG

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 - June 29, 1983

Engine Family E2.3TKG

Issue Date	JUN 30 1983
Revised	7-20