

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:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| 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":

| <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 | 0.39 | 9.0 | 1.0 |

The following are the certification emission values for the above 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 | 0.24 | 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 5th day of August, 1983.



K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company Page 2

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

ECS (Special Features) AIP/EGR/TWC/OC/CL CID (Liter)-Type 140 (2.3) 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 No. |
|--------------|---|----------------------------------|--------------------------------------|---|-------------------------------|-----------------------|--------------------------------|
| 3-50S R18A/N | Ranger 4x2 SWB LWB | C3 021 (A3) | 3000 | E27F-12A651- CA (E37E-12127- FA) | E37E-9510- BB | E37E-9H495- MB | AEK |
| 3-49S R16A/N | Ranger 4x2 SWB LWB SWB LWB | Y4 396 (M4) Y5X396 (M5) | 2875 3000 2875 3000 | E37F-12A651- CA (E27E-12127- BA) | E37E-9510- LB | E37E-9H495- JB | AEE |
| 3-49T R20A/N | Ranger 4x4 SWB LWB Bronco II Std. Ranger 4x4 SWB LWB Bronco II Std. Ranger 4x2 Chassis Cab LWB | Y4 396 Y5X396 Y4 396 | 3250 3375 3250 3375 3375 | E27F-12A651- DA (E27E-12127- AA) | E37E-9510- NB | E37E-9H495- JB | AEF 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

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|------------|-------------|------|--|--|--|--|--|
| Issue Date | JUN 30 1983 | 17-4 | | | | | |
| Revised | 7-20 | | | | | | |