

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-219
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 light-duty trucks and medium-duty vehicles.

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|---|
| CFM4.9T1HCF5 | 300 (4.9) | 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>Equivalent Inertia Weight</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|--|---|---|
| 4000 6000 | 0.50 | 9.0 | 1.5 |

The following are the certification emission values for this 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> |
|--|--|---|---|
| 4000 6000 | 0.37 | 7.6 | 1.1 |

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 6th 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-10-219 Page 1
 Engine Family CFM4.9T1HCF5 Evaporative Family 2G0
 Engine CID (Liters) 300 (4.9)

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
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

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

| <u>Vehicle Model</u> | <u>Wheelbase</u> | <u>Code</u> |
|--|--|------------------------------------|
| E100 Club Wagon Regular Van | Short Long, Short | CWS RVL, RVS |
| E150 Club Wagon Regular Van Super Van Super Wagon | Long, Short Long, Short Long Long | CWL, CWS RVL, RVS SVL SWL |
| E250 Regular Van | Long | RVL |
| F100 Regular Cab | Long, Short | RCL, RCS |
| F150 Regular Cab Super Cab | Long, Short Long, Short | RCL, RCS SCL, SCS |
| F250 Regular Cab Super Cab | Long Long, Short | RCL SCL, SCS |

DRIVE SYSTEM: Rear Wheel

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company E.O. # A-10-219

Engine Family CFM4.9T1HCF5 CID (liter) - Type 300 (4.9) - I6

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

| Engine Code | Vehicle Models (If Coded see attachment) | | Trans. (axle ratio) | Equiv. Test Weight | Ign. System | Fuel System | EGR Valve | Label |
|--------------|---|----------------|------------------------|--------------------------|------------------------|-------------------|-------------------|--------------------|
| | | | | | CA, VA, EI Part No. | IV Part No. | Part No. | Ident. Part No. |
| 2-52S-R00A/N | F100 | RCS | A-3 | 3875 | EITE-12127- VA | E2TE-9510- KA | E2TE-9D448- DA | AJU |
| | | RCL | | 4000, 3875 | | | | |
| | F150 | RCS | | 3875 | | | | |
| | | RCL | | 4000 | | | | |
| | | SCS SCL | | 4250 | | | | |
| | F250 | RCL | | (3.33) | | | | |
| SCS | | (3.54) 4500 | | | | | | |
| | SCL | | | | | | | |
| 2-52T-R00B | E100 | RVL | A-3 | 4250 | E2UE-9510- DA | E2TE-9D448- CA | AJV | |
| | | RVS | | 5000 | | | | |
| | CWS* | | | | | | | |
| | E150 | CWS* | | 4250 | | | | |
| | | CWL* | | 4500 | | | | |
| | | RVS | | 4750, 4500 | | | | |
| | | RVL | | 5250 | | | | |
| | SVL | | | | | | | |
| SWL | | | | | | | | |
| E250 | RVL | 4750 | | | | | | |

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 -070381

Revisions:

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas DieselManufacturer Ford Motor Company E.O. # A-10-219Engine Family CFM4.9T1HCF5 CID (liter) - Type 300 (4.9) - I6ECS (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 IV Part No. | EGR Valve Part No. | Label Ident. Part No. |
|---------------------|--|---------|--------------------|---------------------------------|-------------------------|--------------------|-----------------------|
| 2-51T-R00A/N | E100 | RVS | 4250 | E2UE-12127-BA | E2TE-9510-JA | E2UE-9D448-BA | AJT |
| | | RVL | 4500 | | | | |
| | E150 | SVL | 5000 | | | | |
| | | CWL* | 4750 | | | | |
| 2-51T-R00N (w/o AC) | E100 | CWS* | 5000 | | | | |
| 2-51T-R00A (w/AC) | E150 | CWS* | | | | | |
| 2-51S-R00A/N | F100 | RCS | M-3 | 3875, | E2TE-9D448-KA | | |
| | | | M-4 OD | 3750 | | | |
| | | M-4 (3) | 3875 | | | | |
| | | RCL | 4000 | | | | |
| | F150 | RCS | M-3 | 3875 | | | |
| | | | M-4 OD | | | | |
| | | M-4 (3) | M-3 | 3875, | | | |
| | | | M-4 OD | 3750 | | | |
| | | RCL | M-3 | 4000, | | | |
| | | | M-4 OD | 3875 | | | |
| | | M-4 (3) | 4000 | | | | |
| | | SCL | M-3, 4 | 4250 | | | |
| | | SCS | M-4 (3) | | | | |
| | | | M-4 OD | 4000 | | | |
| M-3 | 4250, | | | | | | |
| | 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. (3): First gear not used.

Date of Issue - 070381

Revisions: