

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-109
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Ford Motor Company exhaust emission control systems for 1978 model-year light duty trucks are certified for the vehicles described below:

- Engine Family: 300 "C" (1X100)
- Engine: 300 CID
- Transmission: 3 Speed Manual
- Exhaust Emission Control Systems: Pulse Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|--|---|---|
| 300 "C" (1X100) | 0.7 | 15 | 1.3 |

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-10 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".


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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 13 day of January, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-109 Page 1
 Engine Family 300 "C" (1 X 100) Engine (CID) 300

ABBREVIATIONS

Distributor

C-Centrifugal Advance
 V-Vacuum Advance
 VR-Vacuum Retard
 HEI-High Energy Ignition
 EI-Electronic Ignition
Fuel System
 EFI, FI
 nV-nVenturi Carburetor
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection
 CAI-Catalyst Air Injection
 CAB-Chamber Air Bleed
 DD-Dual Displacement
 EFI-Electronic Fuel Injection
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 EFE-Early Fuel Evaporation
 ESAC-Electronic Spark Advance
 Control
 FI-Fuel Injection

OC-Oxidation Catalyst
 PAI-Pulse Air Injection
 RC-Reduction Catalyst
 TC-Turbo Charged
 TR-Thermal Reactor
 TWC-Three Way Catalyst
 (Feedback Control)
EGR Syst. Service
 I-Inspect, repair/replace
 as needed
 R-Replace

| <u>Model</u> | <u>Body Type</u> | <u>Wheelbase</u> | <u>Box Design</u> | <u>Trim Levels</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| F-100 | Regualr Cab | SWB or LWB | A or B | 1, 2, 3, 4 |

Wheelbase

SWB Short Wheelbase
 LWB Long Wheelbase

Box Design

A. Styleside
 B. Flareside

Trim Level

1. Custom
 2. Ranger
 3. Ranger XLT
 4. Ranger Lariat
 5. Camper Special

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-109 Page 1a

Engine Family 300 "C" (1 X 100) Engine (CID) 300

| <u>Model</u> | <u>Body Type</u> | <u>Wheelbase</u> | <u>Box Design</u> | <u>Trim Levels</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| E-100 | Regular Van | SWB or LWB | A, B, or C. | 1, 2, 3 |
| | Club Wagon | SWB | - | 1, 2, 3 |

Wheelbase

SWB Short Wheelbase
LWB Long Wheelbase

Box Design

A. Cargo Van
B. Display Van
C. Window Van

Trim Level

1. Standard
2. Custom
3. Chateau

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-109 Page 3

Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-51T-R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes No

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class RLHP | Distributor Type c, v Mfgr. Part Number | Fuel System Type 1 v Mfgr. Part Number | EGR System Part No. Service | Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
|-----------|--|----------------|------------------------------|--|---|--|---|
| | <u>E-100</u> Regular Van SWB | M/3 M/4 (1) | <u>4000</u> <u>19.5</u> | Ford D8TE- 12127-AAA | Ford D8UE- 9510-ZB | D8TE- 9D448-SA No service required | 1) 6° + 2° BTDC @ 700 RPM in neutral with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 700 RPM in neutral with all hoses connected. |
| | Regular Van LWB Club Wagon SWB | | <u>4500</u> <u>19.5</u> | | | | |

Comments: All models have special road load HP settings. See page 1 for abbreviations and model codes.

Date of Issue 1/13/78 Revisions: (1) R.C. 6T 040378

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-109 Page 2

Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-51S-R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes No

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class RLHP | Distributor Type c, v | Fuel System Type 1 v | EGR System | Tune-Up Specification |
|-----------|--|----------------------------------|----------------------------------|----------------------------|---------------------------|--|--|
| | | | | Mfgr. Part Number | Mfgr. Part Number | Part No. Service | (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
| | <u>F-100 Regular Cab LWB, SWB</u> | <u>M/3 M/4⁽¹⁾</u> | <u>4000 19.5</u> | <u>Ford D8TE-12127-AAA</u> | <u>Ford D8TE-9510 BUB</u> | <u>D8UE-9D448-KA</u> <u>No Service Required</u> | <u>1) 6° ± 2° BTDC @ 700 RPM in neutral with hoses disconnected and plugged at the distributor.</u> <u>2) Preset at factory. Do not adjust. See 1978 Ford Service Manual.</u> <u>3) 700 RPM in neutral with all hoses connected.</u> |

Comments: All models have special road load HP settings. See page 1 for abbreviations and model codes.

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