

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.
	Regular Van LWB Club Wagon SWB		<u>4500</u> <u>19.5</u>				2) Preset at factory. Do not adjust. See 1978 Ford Service Manual.  3) 700 RPM in neutral with all hoses connected.

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	
	<u>F-100 Regular Cab LWB, SWB</u>	<u>M/3 M/4<sup>(1)</sup></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>	(1) Basic Timing (2) Idle Mixture (3) Idle Speed  1) $6^{\circ} \pm 2^{\circ}$ 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.

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