

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-110-1  
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: 302 "A" (1X100)  
Engine: 302 CID  
Transmission: 3-Speed Manual, 3-Speed Automatic - *4 SPEED MANUAL*  
Exhaust Emission Control Systems: 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>
302 "A" (1X100)	0.6	14	1.8

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".

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 21 day of October, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-110-1 Page 1  
 Engine Family 302 "A" (1 X 100) Engine (CID) 302

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	Regular Cab	SWB or LWB	A or B	1,2,3,4

Wheelbase

SWB Short Wheelbase  
 LWB Long Wheel base

Box Design

A. Styleside  
 B. Flareside

Trim Levels

1. Custom  
 2. Ranger  
 3. Ranger XLT  
 4. Ranger Lariat

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium Duty Vehicles

Manufacturer Ford Motor Company    Executive Order No. A-10-110-1    Page 2

Engine Family 302 "A" (1 x 100)    Engine (CID) 302    Engine Code 8-53S-R0

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type	Fuel System Type	EGR System	Tune-Up Specification
				C,V Mfgr. Part Number	2 V Mfgr. Part Number	Part No. Service	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-100 Regular Cab	M/3 M/4	4000 19 RLHP	Ford D7TE-12127-JA	Ford D8TE-9510-CPA	D8ZE-9D448-BA	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM, in neutral with vacuum hoses to distributor plugged at distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) $850 \pm 50$ RPM in neutral, $550 \pm 50$ RPM with TSP off in neutral. All hoses connected

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

Date of Issue 080977    Revisions: 022278  
R/C 21T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium Duty Vehicles

Manufacturer Ford Motor Company    Executive Order No. A-10-110-1    Page 3

Engine Family 302 "A" (1 X 100)    Engine (CID) 302    Engine Code 8-54T-R10

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type c,v Mfgr. Part Number	Fuel System Type 2v Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-100 Regular Cab Cab & Chassis	A/3	4000 19	Ford D8TE-12127-UA	Ford D8TE-9510-CLA	D8UE-9D448-FA	(1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM, in neutral W/Vacuum hoses to distributor plugged at distributor.  (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual.  (3) $650 \pm 50$ RPM in drive, $550 \pm 50$ RPM with TSP off in neutral. All hoses connected.

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

Date of Issue 102077 Revisions: