

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-116
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 medium duty vehicles are certified for the vehicles described below:

Engine Family: 35T W "A" (1X100)
Engine: 351 CID
Transmission: 3 Speed Automatic, 3 Speed Manual, 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>
351W "A"(1x100)	0.8	7	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".

FORD MOTOR COMPANY

EXECUTIVE ORDER A-10-116
(Page 2 of 2)

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 25th day of July, 1977.

G. C. Hass by D. A. Brachman

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-116 Page 1

Engine Family 351W "A" (1x100) Engine (CID) 351

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>Models</u>	<u>Body Type</u>	<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Levels</u>
E-150	Regular Van	SWB or LWB	A,B,C	1,2,3
	Super Van	LWB	A,B,C,	1,2,3
	Club Wagon	SWB or LWB	-	1,2,3
	Super Wagon	LWB	-	1,2,3
E-250	Regular Van	LWB	A,B,C	1,2,3
	Super Van	LWB	A,B,C	1,2,3
	Club Wagon	LWB	-	1,2,3
	Super Wagon	LWB	-	1,2,3

<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Levels</u>
SWB Short Wheelbase	A. Cargo Van	1. Standard
LWB Long Wheelbase	B. Display Van	2. Custom
	C. Window Van	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-10-116 Page 2

Engine Family 351W "A" (1 X 100) Engine (CID) 351 Engine Code 8-64S-RO

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type CV Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van Super Van	M/3 M/4	<u>4500</u> <u>19.5</u>	Ford D8UE- 12127-CA	Ford D8UE- 9510-KA	D8UE- 9D448-DA No Service Required	1. $4^{\circ} \pm 2^{\circ}$ BTDC @ 500 RPM, Neutral, with distributor vacuum lines disconnected and plugged.
	Club Wagon Super Wagon		<u>5000</u> <u>19.5</u>				2. Preset at factory, do not adjust. See 1978 Service Manual
	E-250 Regular Van Super Van Club Wagon	M/3	<u>5000</u> <u>19.5</u>				3. 900 RPM Neutral. 500 RPM W/TSP Off
	Super Wagon		<u>5500</u> <u>19.5</u>				All hoses connected

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

Date of Issue 072577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No A-10-116 Page 3

Engine Family 351W "A" (1 X 100) Engine (CID) 351 Engine Code 8-65S-20

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type CV Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van Super Van	A-3	<u>4500</u> 19.5	Ford D8UE- 12127-DA	Ford D8UE- 9510-MA	D8UE- 9D448-GA No Service Required	1. 8° ± 2° BTDC, @ 500 RPM, Neutral, with distributor vacuum lines disconnected and plugged 2. Preset at factory, do not adjust. See 1978 Service Manual 3. 700 RPM, Drive. 500 RPM, Neutral W/TSP Off All hoses connected
	Club Wagon Super Wagon		<u>5000</u> 19.5				
	E-250 Regular Van Super Van Club Wagon		<u>5000</u> 19.5				
	Super Wagon		<u>5500</u> 19.5				

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

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No A-10-116 Page 4
 Engine Family 351W "A" (1 X 100) Engine (CID) 351 Engine Code 8-65SR10

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type CV Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed	
E-150	Regular Van Super Van	A-3	<u>4500</u> 19.5	Ford D8UE- 12127-DA	Ford D8UE- 9510-MB	D8UE- 9D448-GA	1. $10^{\circ} \pm 2^{\circ}$ BTDC, @ 500 RPM, Neutral, with distributor vacuum lines dis- connected and plugged	
	Club Wagon Super Wagon		<u>5000</u> 19.5					No Service Required
	E-250 Regular Van Super Van Club Wagon		<u>5000</u> 19.5					
	Super Wagon		<u>5500</u> 19.5				3. 700 RPM, Drive. 500 RPM, Neutral W/TSP Off All hoses connected	

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

Date of Issue 11/22/77 Revisions:
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