

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-114-1
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 medium duty vehicles are certified for the vehicles described below:

- Engine Family: 300 "C" (1x100)
- Engine: 300 CID
- Transmission: 3 Speed Automatic, 3 Speed Manual, 4 Speed Manual
- Exhaust Emission Control Systems: Pulse Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

Executive Order A-10-114 dated August 9, 1977 is hereby rescinded.

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)	0.6	10	1.1

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".

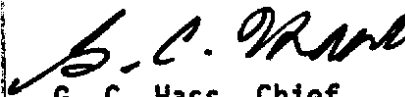
FORD MOTOR COMPANY

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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

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Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 1

Engine Family 300 "C" (1x100) 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-150	Regular Cab	LWB	A or B	1,2,3,4
	Regular Cab Chassis Cab	LWB	-	1,2,3,4
	Super Cab	SWB or LWB	A	1,2,3,4
	Super Cab Chassis Cab	SWB or LWB	-	1,2,3,4
F-250	Regular Cab	LWB	A or B	1,2,3,4,5
	Regular CAB Chassis Cab	LWB	-	1,2,3,4,5
	Super Cab	SWB or LWB	A	1,2,3,4,5
	Super Cab Chassis Cab	SWB or LWB	-	1,2,3,4,5
	Crew Cab	LWB	A	1,3
	Crew Cab Chassis Cab	LWB	-	1,3
	<u>Wheelbase</u>		<u>Box Design</u>	<u>Trim Level</u>
	SWB Short Wheelbase		A. Styleside	1. Custom
	LWB Long Wheelbase		B. Flareside	2. Ranger
				3. Ranger XLT
				4. Ranger Lariat
				5. Camper Specia

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Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 1a

Engine Family 300 "C" Engine (CID) 300

<u>Model</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, or C	1,2,3
	Club Wagon	SWB or LWB	-	1,2,3
	Super Van	LWB	A, B, or C	1,2,3
	Super Wagon	LWB	-	1,2,3
E-250	Regular Van	LWB	A, B, or C	1,2,3
	Club Wagon	LWB	-	1,2,3
	Super Van	LWB	A, B, or C	1,2,3
	Super Wagon	LWB	-	1,2,3

<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Level</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-10-114 -1 Page 2
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U-R0

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-150</u> Regular Van SWB	A/3	<u>4000</u> <u>19.5</u>	Ford D8TE- 12127-AAA	Ford D8TE- 9510-CNA	D8TE- 9D448-SA No Service Required	1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	Regular Van LWB Super Van LWB Club Wagon SWB,LWB		<u>4500</u> <u>19.5</u>				
	<u>E-250</u> Regular Van LWB						
	<u>E-150</u> Super Wagon LWB		<u>5000</u> <u>19.5</u>				
	<u>E-250</u> Super Van LWB Club Wagon LWB Super Wagon LWB						
	<u>F-150</u> Regular Cab LWB		<u>4000</u> <u>19.5</u>				

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

Date of Issue 080977 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 2a

Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U-R0

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
	F-150 Super Cab LWB,SWB F-250 Regular Cab LWB Super Cab SWB,LWB	A/3	4500 19.5	Ford D8TE-12127-AAA	Ford D8TE-9510-CNA	D8TE-9D448-SA No Service Required	1) 8° ± 2° BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	F-150 CC Regular Cab LWB CC Super Cab SWB,LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

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

Date of Issue 080977 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 3
 Line Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U-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
E-150	Regular Van SWB	A/3	4000 19.5	Ford D8TE-12127-AAA	Ford D8TE-9510-CNA	D8UE-9D448-HA No Service Required	1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	Regular Van LWB Super Van LWB Club Wagon SWB, LWB		4500 19.5				
E-250	Regular Van LWB						
E-150	Super Wagon LWB		5000 19.5				
E-250	Super Van LWB Club Wagon LWB Super Wagon LWB						
F-150	Regular Cab LWB		4000 19.5				

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

Date of Issue 11/4/77 Revisions:
R/C-ST

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 3a
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U- 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
	F-150 Super Cab LWB, SWB	A/3	4500 19.5	Ford DBTE-12127-AAA	Ford DBTE-9510-CNA	D8UE-9D448- HA No Service Required	(1) Basic Timing (2) Idle Mixture (3) Idle Speed 1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	F-250 Regular Cab LWB Super Cab SWB, LWB						
	F-150 CC Regular Cab LWB CC Super Cab SWB, LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

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

Date of Issue 11/4/77 Revisions:
R/C-5T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 4 a
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-51S-20

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
	F-150 Super Cab LWB, SWB	M/3 M/4	4500 19.5	Ford D8TE-12127-AAA	Ford D8TE-9510-BUB	D8UE 9D448-KA No Service Required	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 700 RPM in neutral w/ 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.
	F-250 Regular Cab LWB Super Cab SWB, LWB						
	F-150 CC Regular Cab LWB CC Super Cab SWB, LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

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

Date of Issue R/C-10T Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 5
 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 I V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Super Cab LWB, SWB	M/3 M/4	4500 19.5	Ford D8TE-12127-AAA	Ford D8UE-9510-ZB	D8TE-9D448-SA No Service Required	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 700 RPM in neutral w/ 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.
	F-250 Regular Cab LWB Super Cab SWB, LWB						
	F-150 CC Regular Cab LWB CC Super Cab SWB, LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

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

Date of Issue Revisions:
R/C-10T

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Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 5a

Line 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
	E-150 Regular Van SWB	M/3 M/4	4000 19.5	Ford D8TE-12127-AAA	Ford D8UE-9510-ZB	D8TE 9D448-SA No Service Required	1) 6° ± 2° BTDC @ 700 RPM in neutral w/ 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 Super Van LWB Club Wagon SWB, LWB		4500 19.5				
	E-250 Regular Van LWB						
	E-150 Super Wagon LWB		5000 19.5				
	E-250 Super Van LWB Club Wagon LWB Super Wagon LWB						
	F-150 Regular Cab LWB		4000 19.5				

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

Date of Issue Revisions:
R/C-10T