

E. C. Boat

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-146
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 are certified as described below for 1979 model-year gasoline-powered medium duty vehicles.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
4.9 "B" (1X150)	300	Exhaust Gas Recirculation, Air Injection, Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 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>
4.9 "B" (1X150)	0.6	16	1.4

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 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.

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 11 day of August, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Co. Executive Order No. A-10-146 Page 1

Engine Family 4.9"B"(1X150) Engine (CID) 300

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 EI-Electronic Ignition
 ESAC
 VA-Vacuum Advance
 VR-Vacuum Retard

Exhaust Emissions Control System

AI-Air Injection
 CCAV-Comb. Chamber Air Valve
 EFI-Electronic Fuel Injection
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification

OC-Oxidation Catalyst
 PAI-Pulse Air Injection
 TC-Turbo Charged
 TR-Thermal Reactor
 TWC-Three Way Catalyst
 (Feedback Control)
 WOC-Warm-up Oxidation
 Catalyst

Fuel System

EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

ESAC-Electronic Spark Advance
 Control
 MFI-Mechanical Fuel Injection

<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
E-150	Regular Van	SWB or LWB	C, D or E	5, 6, 7
	Super Van	LWB	C, D or E	5, 6, 7
	Club Wagon	SWB or LWB	-	5, 6, 7
	Super Wagon	LWB	-	5, 6, 7
F-250	Regular Cab	LWB	A or B	1, 2, 3, 4
	Super Cab	SWB	A	1, 2, 3, 4
	Regular Cab Chassis Cab	LWB	-	1, 2, 3, 4
	Super Cab Chassis Cab	SWB	-	1, 2, 3, 4
E-250	Regular Van	LWB	C, D or E	5, 6, 7
	Super Van	LWB	C, D, or E	5, 6, 7
	Club Wagon	LWB	-	5, 6, 7
	Super Wagon	LWB	-	5, 6, 7

Wheelbase

SWB Short Wheelbase
 LWB Long Wheelbase

Box Design

A. Styleside
 B. Flareside
 C. Cargo Van
 D. Display Van
 E. Window Van

Trim Levels

1. Custom
 2. Ranger
 3. Ranger XLT
 4. Ranger Lariat
 5. Standard
 6. Custom
 7. Chateau

Evaporative Family: **TA, TM**

Date of issue Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 2

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code ** 9-51S-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
				GA, CV	1 V	Part Number	
	F-150 Regular Cab LWB	M-3	4000 (2.75)	Ford D9UE- 12127-KA	Carter D9TE- 9510-KA	D9TE- 9D448-GA	(1) 6° BTDC @ 500 RPM in neutral W/Vacuum hoses disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 700 ± 50 RPM in neutral. 500 ± 50 RPM in neutral W/TSP Off. All hoses connected.
	Regular Cab LWB	M-4 (OD)					
	Cab & Chassis Regular Cab LWB	M-3					
	Cab & Chassis Regular Cab LWB	M-4 (OD)					

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

* Axle ratio is that of medium duty certification vehicle.

** Engine Code Letter Suffix (Air Condition): A - A/C, N - Non A/C, B - Both A/C & Non A/C

Date of Issue - Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 3

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code **9-51T-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification
				CA, CV	1 V		
				Part Number	Part Number	Part Number	
E-150	Regular Van SWB, LWB	M-3	4500	Ford D9UE-12127-NA	Carter D9TE 9510-ZB	D9TE-9D448-LA	(1) 6° BTDC @ 500 RPM in neutral W/Vacuum hoses disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 700 + 50 RPM in neutral 500 + 50 RPM in neutral W/TSP Off. All hoses connected.
	Super Van LWB						
	Club Wagon SWB, LWB						
	Regular Van SWB	M-4 (OD)	4000 (2.75)				
Regular Van SWB	4000 (3.00) (1) (3.25)						
E-150	Regular Van LWB		4500				
	Super Van LWB						
	Club Wagon SWB, LWB						

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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** Engine Code Letter Suffix (Air Condition): A - A/C, N - Non A/C, B - Both A/C & Non A/C

Date of Issue -081178

Revisions: (1) R/C 4.9-115 Added axle ratios. 111678

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 4

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code ** 9-52J-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
				CA, CV	1 V		
				Part Number	Part Number	Part Number	
	F-250 Regular Cab LWB Super Cab SWB Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB	A-3	4500 (3.31)	Ford D9TE- 12127-ACA	Carter D9TE- 9510-MA	D9TE- 9D448-LA	(1) 10° BTDC @ 500 RPM in Neutral W/Vacuum hoses disconnected plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 550 ± 50 RPM in drive. 500 ± 50 RPM in neutral W/TSP Off. All hoses connected.

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

* Axle ratio is that of medium duty certification vehicle.

** Engine Code Letter Suffix (Air Condition): A - A/C, N - Non A/C, B - Both A/C & Non A/C

Date of Issue - Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 5

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code ** 9-52M-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150 Super Wagon LWB	A-3	5000 (3.31)	Ford D9UE- 12127-MA	Carter D9TE- 9510-NA	D9TE- 9D448-EA	(1) 10° BTDC @ 500 RPM in neutral W/Vacuum hoses disconnected & Plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 550 + 50 RPM in drive. 500 + 50 RPM in neutral W/TSP Off. All hoses connected.	
E-250 Regular Van LWB							
Super Van LWB							
Club Wagon LWB							
Super Wagon LWB							

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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Date of Issue - Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 7

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code **9-52L-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification
				CA, CV	1 V		
				Part Number	Part Number	Part Number	
	E-150 Regular Van LWB SWB Super Van LWB Club Wagon LWB SWB	A-3	4500 (2.75)	Ford D9UE-12127-JA	Carter D9TE-9510-EA	D9TE-9D448-EA	(1) 10° BTDC @ 500 RPM in neutral W/Vacuum hoses disconnected & Plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 550 + 50 RPM in drive. 500 + 50 RPM in neutral W/TSP Off. All hoses connected.

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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** Engine Code Letter Suffix (Air Condition): A - A/C, N - Non A/C, B - Both A/C & Non A/C

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R/C 4.9-111

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 8

Engine Family 4.9 "B" (1 X 150) Engine (CID) 300 Engine Code ** 9-51G-ROB

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
				CA, CV	1 V		
	F-150 Regular Cab LWB	M-3	4000 (3.00) (3.25)	Ford D9UE- 12127-KA	Carter D9TE- 9510-MA	D9TE- 9D448-GA	(1) 6° BTDC @ 500 RPM in neutral W/Vacuum hoses disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 700 ± 50 RPM in neutral. 500 ± 50 RPM in neutral W/TSP Off. All hoses connected.
	Regular Cab LWB	M-4 (OD)					
	Cab & Chassis Regular Cab LWB	M-3					
	Cab & Chassis Regular Cab LWB	M-4 (OD)					

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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