E C Ford

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.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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

G. C. Hass, Chief
Vehicle Emissions Control Division

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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

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

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

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

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

Model	Body Type	Wheelbase	Box Design	Trim Levels
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	Box Design	Trim Levels
SWB Short Wheelbase	A. Styleside	1. Custom
LWB Long Wheelbase	B. Flareside	2. Ranger
	C. Cargo Van	3. Ranger XLT
	D. Display Van	4. Ranger Lariat
	E. Window Van	5. Standard
		6. Custom
		7. Chateau

Evaporative Family: T_A, TM

Date of issue Revisions

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☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium-Duty Vehicles

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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. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	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

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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. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van SWB, LWB Super Van LWB Club Wagon 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.
	Regular Van SWB		4000 (2.75)				
	Regular Van SWB	M-4 (OD)	4000 (1) (3.00) (3.25)				
	Regular Van LWB E-150 Super Van LWB Club Wagon SWB, LWB		4500				

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 -081178

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

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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. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	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

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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 (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Super Wagon LWD E-250 Regular Van LWB Super Van LWB Club Wagon LWB 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.

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

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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. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	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.

* 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

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R/C 4.9-111

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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. CA, CV Part Number	Fuel System 1 V Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	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.

* 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

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