

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-149
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 1979 model-year gasoline-powered medium duty vehicles are certified for the vehicles described below:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
5.0"B"(1X150)	302	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>
5.0"B"(1x150)	0.7	6	2.3

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.

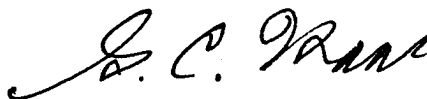
FORD MOTOR COMPANY

EXECUTIVE ORDER A-10-149
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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 31 day of July, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Co. Executive Order No. A-10-149 Page 1
 Engine Family 5.0 "B" (1 X 150) Engine (CID) 302

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
	Super Cab	SWB or LWB	A	1, 2, 3, 4
	Regular Cab Chassis Cab	LWB	-	1, 2, 3, 4
	Super Cab Chassis Cab	SWB or 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
E-150	Super Wagon	LWB	-	5, 6, 7
E-250	Regular Van	LWB	c, D, or E	5, 6, 7
	Club 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: TD, TN

Date of issue

Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 2
 Engine Family 5.0 "B" (1 X 150) Engine (CID) 302 Engine 9-54R-ROA
 Code ** 9-54R-RON

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
	F-150 Regular Cab LWB	A-3	4000 (2.75)	Ford D8TE- 12127-BA	Ford D9TE- 9510-BTA	D8UE- 9D448-FA	(1) 6° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor.
	Super Cab SWB, LWB		4500				(2) Preset at factory. Do not adjust. See 1979 Ford Service Manual.
	Cab & Chassis Regular Cab LWB						(3) 600 ± 50 RPM in drive. 550 ± 50 RPM in neutral TSP Off. All hoses connected.
	Cab & Chassis Super Cab 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.

* 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 9-54J-RIA
 Code ** 9-54J-RIN

Engine Family 5.0 "B" (1 X150) Engine (CID) 302

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150 Super Wagon LWB E-250 Regular Van LWB Club Wagon LWB	A-3	5000 (3.31) 5000 (3.73)	Ford D9UE-12127-LA	Ford D9TE-9510-DCA	D8DE-9D448-BA	(1) 6° BTDC @ 550 RPM in neutral w/Vacuum line disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 600 + 50 RPM in drive. 550 + 50 RPM in neutral, 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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Date of Issue - Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

Page 4
 Engine 9-54T-ROA
 Code ** 9-54T-RON

Engine Family 5.0 "B" (1 X 150) Engine (CID) 302

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150	Regular Van SWB, LWB Super Van LWB Club Wagon SWB, LWB	A-3	4500 (2.75)	Ford D8TE-12127-BA	Ford D9TE-9510-BTA	D8DE-9D448-BA	(1) 6° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 600 ± 50 RPM in drive. 550 ± 50 RPM in neutral, 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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Date of Issue - Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

Page 5
 Engine 9-54T-R10A
 Code ** 9-54T-R10N

Engine Family 5.0 "B" (1 X 150) Engine (CID) 302

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150	Regular Van SWB, LWB Super Van LWB Club Wagon SWB, LWB	A-3	4500 (2.75)	Ford D8TE-12127-BA	Ford D9TE-9510-BTA	D8DE-9D448-BA	(1) 8° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor. (2) Preset at factory Do not adjust. See 1979 Ford Service Manual. (3) 600 ± 50 RPM in drive. 550 ± 50 RPM in neutral, 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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 R/C 124

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 6
 Engine Family 5.0 "B" (1 X 150) Engine (CID) 302 Engine 9-53G-ROA
 Code ** 9-53G-ROA

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
	F-150 Regular Cab LWB Super Cab SWB, LWB Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB & LWB	M-3 M-4 (OD)	4000 (2.75) 4500	Ford D7TE-12127-JA	Ford D9TE-9510-BUA D9TE-9510-BUB	D8ZE-9D448-A1A	(1) 6° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor. (2) Preset at factory. Do not adjust. See 1979 Ford Service Manual. (3) 700 ± 50 RPM in drive. 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.

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 R/C 5.0-116 *add M/T*

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

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Engine Family 5.0 "B" (1 X 150)

Engine (CID) 302

Engine 9-53G-R10A
Code ** 9-53G R10N

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
	F-150 Regular Cab LWB	M-3	4000 (3.00)	Ford D7TE- 12127-JA	Ford D9TE- 9510-DRA	D8ZE- 9D448-A1A	(1) 6° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor.
	Super Cab SWB, LWB	M-4 (OD)	4500		D9TE- 9510-DRB		(2) Preset at factor Do not adjust. See 1979 Ford Service Manual.
	Cab & Chassis Regular Cab LWB						(3) 700 ± 50 RPM in drive. All hoses connected.
	Cab & Chassis Super Cab 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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Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

Page 8

Engine Family 5.0 "B" (1 X150)

Engine (CID) 302

Engine Code 9-54J-R10A
 ** 9-54J-R10N

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150	Super Wagon LWB	A-3	5000 (3.31) 5000 (3.73)	Ford D9UE-12127-LA	Ford D9UE-9510-MA	D9TE-9D448-FA	(1) 6° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor.
E-250	Regular Van LWB				D9UE-9510-MB		(2) Preset at factory. Do not adjust. See 1979 Ford Service Manual.
	Club Wagon LWB						(3) 600 + 50 RPM in drive. 550 + 50 RPM in neutral, 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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Revisions:

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

Page 9
 Engine 9-54H-R10A
 Code **9-54H-R10A

Engine Family 5.0 "B" (1 X 150) Engine (CID) 302

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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
	E-150 Regular Van SWB, LWB Super Van LWB Club Wagon SWB, LWB	A-3	4500 (2.75)	Ford D8TE- 12127-BA	Ford D9TE- 9510-BTA D9TE- 9510-BTB	D9TE- 9D448-FA	(1) 8° BTDC @ 550 RPM in neutral W/Vacuum line disconnected & plugged at distributor. (2) Preset at factory Do not adjust. See 1979 Ford Service Manual. (3) 600 ± 50 RPM in drive. 550 ± 50 RPM in neutral, 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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Revisions :