

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-147
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>
5.8 W "D" (1 X150)	351	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>
5.8 " "D" (1 X150)	0.8	15	1.4

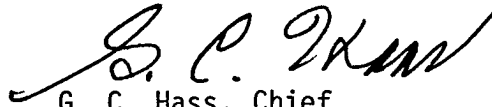
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

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 31 day of July, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Engine Family 5.8W "D" (1 X 150) Engine (CID) 351

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>
E-150	Regular Van	SWB, LWB	A, B, C	1, 2, 3
	Super Van	LWB	A, B, C	1, 2, 3
	Club Wagon	SWB, 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 Level</u>
SWB Short Wheelbase	A. Cargo Van	1. Standard
LWB Long Wheelbase	B. Display Van	2. Custom
	C. Window Van	3. Custom

Evaporative Family: **TD, TN**

Date of issue Revisions

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Ford Motor Company

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Engine Family 5.8W "D" (1 X 150) Engine (CID) 351

Engine Code ** 9-64H-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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
	E-250 Regular Van LWB Super Van LWB Club Wagon LWB Super Wagon LWB	A-3	5000 (3.31)	Ford D9UE- 12127-BA D9UE- (1) 12127-PA	Ford D9UE- 9510-DA D9UE- (1) 9510-DB (2) D9UE- 9510-PA	D9UE- 9D448-AA	(1) 12° BTDC @ 500 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. 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 - 073178 Revisions (1) 083078 R/C 5.8W-103 added carb. and distributor P/Ns
(2) Added Carb. P/N per part I update ltr dated 110778

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

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Engine Family 5.8W "D" (1 X 150) Engine (CID) 351 Engine Code ** 9-64S-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, VA Part Number	Fuel System 2 V Part Number	EGR Valve Part Number	Tune-up Specification
E-150	Regular Van SWB, LWB	A-3	4500 (2.75)	Ford D9UE-12127-HA	Ford D9UE-9510-DA	D9UE-9D448-EA	(1) 8° BTDC @ 500 RPM in Neutral W/Vacuum line disconnected & plugged at distributor.
	Super Van LWB			D9UE- (1) 12127-SA	D9UE- (1) 9510-DB		
	Club Wagon SWB, LWB				D9UE- (2) 9510-PA		(2) Preset at factory. Do not adjust. See 1979 Ford Service Manual.
E-150	Super Wagon LWB		5000				(3) 600 ± 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 Family 5.8W "D" (1X150)

Engine (CID) 351

Engine**

Code 9-64G-R10B

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	Fuel System 1-2V	EGR Valve	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 Super Wagon LWB	A-3	4500 (2.75) 5000	Ford D9UE- 12127-SA D9UE- 12127-HA	Ford D9UE- 9510-DA D9UE- 9510-DB	D9UE- 9D448-AA	1) 10° BTDC @ 500 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. 500 ± 50 RPM in neutral W/TSP Off. All hoses connected.

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Date of Issue - R/C5.8W-143 060479

Revisions