

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-148  
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 passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
5.0 "AV" (2x124)	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 "AV" (2x124)	0.36	1.5	1.2

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.

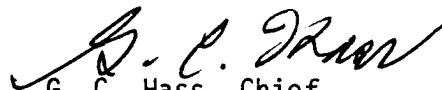
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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 26 day of September, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Co. Executive Order No. A-10-148 Page 1

Engine Family 5.0"AV"(2x124) 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>Vehicle Model</u>	<u>Body Type</u>	<u>Body Code</u>	<u>Model Name</u>
Ford	2-Door Sedan	66H	Ford LTD
	2-Door Sedan	66K	Ford LTD Landau
	4-Door Sedan	54H	Ford LTD
	4-Door Sedan	54K	Ford LTD Landau
Mercury	2-Door Sedan	66H	Mercury Marquis
	2-Door Sedan	66K	Mercury Marquis Brougham
	2-Door Sedan		Mercury Grand Marquis
	4-Door Sedan	54H	Mercury Marquis
	4-Door Sedan	54K	Mercury Marquis Brougham
	4-Door Sedan		Mercury Grand Marquis

Evaporative Family: K

Date of Issue: Revisions

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E.O. #A-10-148

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 2

Engine Family 5.0"AV"(2x124) Engine (CID) 302 Engine 9-11Q-R1A  
Code \*\*9-11Q-R1N

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class	Ign. Sys.	Fuel System	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
				CA, VA	2 VV		
				Part Number	Part Number	Part Number	
	<u>FORD SEDAN</u> 66H 66K 54H 54K	A-3	4000	Ford D9AE- 12127-ABA	Ford D9AE- 9510-CA W/AC  D9AE- 9510-ZA WO/AC	D9AE- 9D448-HA	(1) 6° BTDC @ 500 RPM in neutral W/Vacuum line disconnected and plugged.  (2) Preset at factory Do not adjust. See 1979 Ford Service Manual.
	<u>MERCURY SEDAN</u> 66H 66K 54H 54K				(1) D9AE- 9510-CB W/AC  (1) D9AE- 9510-ZB		(3) 550 ± 50 RPM in drive. 625 ± 50 RPM in drive with VOTM on. 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.

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

Date of Issue - Revisions (1) 090178 R/C 5.0-19, added carb. P/N

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E.O. #A-10-148

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Ford Motor Company Page 3

Engine Family 5.0"AV"(2x124) Engine (CID) 302 Engine 9-11Q-R15A  
Code \*\*9-11Q-R15N

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class	Ign. Sys. CA, VA VR Part Number	Fuel System 2 VV Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	<u>FORD SEDAN</u> 66H 66K 54H 54K	A-3	4000	Ford D9AE- 12127-AGA	Ford D9AE- 9510-CA W/AC  D9AE- 9510-ZA W/O AC	D9AE- 9D448-HA	(1) 6° BTDC @ 500 RPM in neutral W/Vacuum line disconnected and plugged.  (2) Preset at factory Do not adjust. See 1979 Ford Service Manual.  (3) 550 ± 50 RPM in drive. A/C Off. 650 ± 50 RPM in drive, A/C On, Compressor clutch de-energized.  700 ± 50 RPM in drive with VOTM on. All hoses connected.
	<u>MERCURY SEDAN</u> 66H 66K 54H 54K				D9AE- 9510-CB W/AC  D9AE- 9510-ZB W/O A/C		

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.

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

Date of Issue - 5.0-47 120178

Revisions: