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.

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

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

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

G. C. Hass, Chief
Vehicle Emissions Control Division

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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

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

Vehicle Model	Body Type	Body Code	Model Name
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

E.O. #A-10- 148

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[x] Passenger Cars [ ] Light-Duty Trucks [ ] Medium-Duty Vehicles

Manufacturer Ford Motor Company

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Engine Code** 9-11Q-R1A 9-11Q-R1N

Engine Family 5.0"AV"(2x124) Engine (CID) 302

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class	Ign. Sys. CA, VA Part Number	Fuel System 2 VV Part Number	EGR Valve Part Number	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	FORD SEDAN 66H 66K 54H 54K MERCURY SEDAN 66H 66K 54H 54K	A-3	4000	Ford D9AE-12127-ABA	Ford D9AE-9510-CA W/AC D9AE-9510-ZA WO/AC D9AE-(1) 9510-CB W/AC D9AE-(1) 9510-ZB	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. 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

E.O. #A-10- 143

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[x] Passenger Cars [ ] Light-Duty Trucks [ ] Medium-Duty Vehicles

Manufacturer Ford Motor Company

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Engine Family 5.0"AV"(2x124) Engine (CID) 302

Engine Code** 9-11Q-R15A 9-11Q-R15N

Emission Control System EGR, AI, OC + 10% (A/C) Yes X 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
	FORD SEDAN 66H 66K 54H 54K MERCURY SEDAN 66H 66K 54H 54K	A-3	4000	Ford D9AE-12127-AGA	Ford D9AE-9510-CA W/AC D9AE-9510-ZA WO/AC D9AE-9510-CB W/AC D9AE-9510-ZB W/O A/C	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.

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: