

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-108
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 1978 model-year passenger cars are certified for the vehicles described below:

- Engine Family: 351M/400 "B" (2X160)
- Engine: 351 CID / 400
- Transmission: 3-speed Automatic
- Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 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>
351M/400 "B" (2X160)	0.29	8.7	1.0

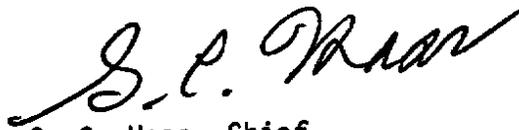
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-10 series.

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

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 18 day of August, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Executive Order No. A-10-108 Page 1

Engine Family 351M/400 "B" (2X160) Engine (CID) 351/400

ABBREVIATIONS

Distributor

C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition
Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection
CAI-Catalyst Air Injection
CAB-Chamber Air Bleed
DD-Dual Displacement
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance
Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst
(Feedback Control)
EGR Syst. Service
I-Inspect, repair/replace
as needed
R-Replace

<u>Model</u>	<u>Body Type</u>	<u>Body Code</u>	<u>Model Name</u>
FORD	4-door Sedan	53D	FORD LTD S
		53H	FORD LTD
		53L	FORD LTD Landau
	2-door Sedan	60H	FORD LTD
		60L	FORD LTD Landau
	Station Wagon	71H 71D	FORD LTD/FORD LTD Country Squire FORD LTD
MERCURY	4-door Sedan	53H	MERCURY Marquis
		53K	MERCURY Marquis Brougham
		53L	MERCURY Grand Marquis
	2-door Sedan	65H	MERCURY Marquis
		65K	MERCURY Marquis Brougham
		65L	MERCURY Grand Marquis
Station Wagon	71K	MERCURY Marquis/MERCURY Marquis Colony Park	
LTD II	4-door Sedan	53B	LTD II S
		53D	LTD II/LTD II Brougham
	2-door Sedan	65B	LTD II S
		65D	LTD II/LTD II Brougham

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Manufacturer FORD MOTOR COMPANY Executive Order No. A-10-108 Page 1a

Engine Family 351M/400 "B" (2X160) Engine (CID) 351/400

<u>Model</u>	<u>Body Type</u>	<u>Body Code</u>	<u>Model Name</u>
COUGAR	4-door Sedan	53D -	MERCURY COUGAR/MERCURY COUGAR Brougham
	2-door Sedan	65L -	MERCURY COUGAR XR-7
		65D -	MERCURY COUGAR/MERCURY COUGAR Brougham
RANCHERO	Ranchero	97D	RANCHERO
		97K	RANCHERO Squire
		97R	RANCHERO GT
THUNDERBIRD	2-door Sedan	60H	THUNDERBIRD/ THUNDERBIRD Town Landau/ THUNDERBIRD Diamond Jubilee
LINCOLN	4-door Sedan	53B	LINCOLN Continental
MARK V	2-door Sedan	60B	LINCOLN Continental
	2-door Sedan	65D	Continental Mark V/ Cartier/Emilio Pucci/ Givenchy/Bill Blass/ Diamond Jubilee

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-108 Page 2

Engine Family 351 M/400 "B" (2 X 160) Engine (CID) 351 Engine Code 8-14N-R13

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type c, v Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	<u>LTD II</u> 65B 65D 53B 53D <u>COUGAR</u> 65D 53D 65L <u>RANCHERO</u> 97D 97K 97R <u>THUNDERBIRD</u> 60H	A-3	4500	Ford D7AE- 12127-UA	Ford D8SE- 9510-FA (A/C only) D8SE- 9510-GA	D80E- 9D448-BA	(1) $16^{\circ} \pm 2^{\circ}$ BTDC @ RPM in neutral W/ Vacuum line disconnected and plugged at distributor (2) Preset at factory. Do not adjust. See Ford 1978 Service Manual. (3) W/O A/C- 600 ± 50 RPM in drive. W/AC- 600 ± 50 RPM in drive with A/C off. 650 ± 50 RPM in drive with A/C on. A/C throttle positioner energized A/C clutch de- energized.

Comments: Some models have special road load HP settings.
 See page 1 for abbreviations and model codes.

** No Service

Date of Issue 081877 Revisions: 091977

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-108 Page 3

Engine Family 351 M/400 "B" (2 X 160) Engine (CID) 400 Engine Code 8-17P-RO

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor	Fuel System	EGR System	Tune-Up Specification
				Type C, V	Type 1-2V	Part No.	
				Mfgr. Part Number	Mfgr. Part Number	Service **	
	<u>FORD</u> 60H 53L 60L 53D 53H 71H 71D <hr/> <u>COUGAR</u> 65D 53D 65L 65L <hr/> <u>RANCHERO</u> 97D 97K 97R <hr/> <u>THUNDERBIRD</u> 60H <hr/> <u>MERCURY</u> 53K 53H 65K 65L 65H 53L 71K <hr/> <u>LTD II</u> 65B 53B 65D 53D 60H <hr/> <u>MARK V</u> 65D <hr/> <u>LINCOLN</u> 53B 60B	A-3	5000	Ford D7AE- 12127-UA	Ford D8SE 9510-EA (A/C only) D8SE- 9510 DA	D8ZE- 9D448-DA	(1) 16° + 2° BTDC @ 800 RPM in neutral. W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See Ford 1978 Service Manual. (3) W/O A/C-600 ± 50 RPM in drive. W/AC-600 ± 50 RPM in drive with A/C OFF. 650 ± 50 RPM in drive with A/C ON, A/C throttle positioner energized, A/C clutch de-energized.

Comments: Some models have special road load HP settings.
 See page 1 for abbreviations and model codes.
 ** No Service

Date of Issue 081877 Revisions: 091977

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Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-108 Page 4

Engine Family 351 M/400 "B" (2 X 160) Engine (CID) 400 Engine Code 8-17N-RO

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor	Fuel System	EGR System	Tune-Up Specification
				Type C, V	Type 1-2V	Part No.	
				Mfgr. Part Number	Mfgr. Part Number	Service **	
	<u>COUGAR</u> 65D 53D 65L <u>RANCHERO</u> 97D 97K 97R <u>THUNDERBIRD</u> 60H <u>LTD II</u> 65B 53B 65D 53D	A-3	4500	Ford D7AE- 12127-UA	Ford D8SE- 9510-EA (A/C only) D8SE- 9510-DA	DBAE- 9D448-BA	(1) 14° + 2° BTDC @ 800 RPM in neutral. W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See Ford 1978 Service Manual (3) W/O A/C-600 ± 50 RPM in drive. W/AC-600 ± 50 RPM in drive with A/C OFF. 650 ± 50 RPM in drive with A/C ON, A/C throttle positioner energized, A/C clutch de-energized

Comments: Some models have special road load HP settings.
 See page T for abbreviations and model codes.
 ** No Service

Date of Issue 081877 Revisions:091977

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Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-108 Page 5
 Engine Family 351 M/400 "B" (2 X 160) Engine (CID) 351 Engine Code 8-14N-R14
 Emission Control System EGR, AI, OC +10%(A/C) Yes No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type c, v Mfgr. Part Number	Fuel System Type 1-2v Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	<u>LTD II</u> 65B 65D 53B 53D <u>COUGAR</u> 65D 53D 65L <u>RANCHERO</u> 97D 97K 97R <u>THUNDERBIRD</u> 60H	A-3	4500	Ford D7AE- 12127-UA	Ford D8SE- 9510-FA (A/C only) D8SE- 9510-GA	D80E- 9D448-BA	(1) $14^{\circ} \pm 2^{\circ}$ BTDC @ 800 RPM in neutral w/ Vacuum line disconnected and plugged at distributor (2) Preset at factory. Do not adjust. See Ford 1978 Service Manual. (3) W/O A/C- 600 ± 50 RPM in drive. W/AC- 600 ± 50 RPM in drive with A/C off. 650 ± 50 RPM in drive with A/C on. A/C throttle positioner energize A/C clutch de- energized.

Comments: Some models have special road load HP settings.
 See page 1 for abbreviations and model codes.

** No Service

Date of Issue 11/30/77 Revisions:

R/C-36