E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-117-1
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 medium duty vehicles are certified for the vehicles described below:

Engine Family: 351M/400 "A" (1X100)
Engine: 351 CID, 400 CID
Transmission: 3-speed Automatic
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

Executive Order A-10-117 dated August 26, 1977 is hereby rescinded.

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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
351M/400 "A" (1X100)	0.7	12	2.3

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 17 day of October, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 1

Engine Family 351M/400 "A" (1X100) Engine (CID) 351

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

Model	Body Type	Wheelbase	Box Design	Trim Levels
F-150	Regular Cab	LWB	A or B	1,2,3,4
	Regular Cab Chassis Cab	LWB		1,2,3,4
	Super Cab	SWB or LWB	A	1,2,3,4
	Super Cab Chassis Cab	SWB or LWB		1,2,3,4
F-150 4X4	Regular Cab	SWB or LWB	A or B	1,2,3,4
	Regular Cab Chassis Cab	SWB or LWB		1,2,3,4
	Super Cab	LWB	A	1,2,3,4
	Super Cab Chassis Cab	LWB		1,2,3,4
F-250	Regular Cab	LWB	A or B	1,2,3,4,5
	Regular Cab Chassis Cab	LWB		1,2,3,4,5
	Super Cab	SWB or LWB	A	1,2,3,4,5
	Super Cab Chassis Cab	SWB or LWB		1,2,3,4,5

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 1a

Engine Family 351M/400 "A" (1X100) Engine (CID) 351

	Crew Cab	LWB	A	1,3
	Crew Cab Chassis Cab	LWB		1,3
F-250 4X4	Regular Cab	LWB	A or B	1,2,3,4,5
	Regular Cab Chassis Cab	LWB		1,2,3,4,5
	Super Cab	LWB	A	1,2,3,4,5
	Super Cab Chassis Cab	LWB		1,2,3,4,5
	Crew Cab	LWB	A	1,3
	Crew Cab Chassis Cab	LWB		1,3
Bronco				1,3

Wheelbase

SWB Short Wheelbase
LWB Long Wheelbase

Box Design

A. Styleside
B. Flareside

Trim Level

1. Custom
2. Ranger
3. Ranger XLT
4. Ranger Lariat
5. Camper Special

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 2a

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R11

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 Regular Cab LWB	A-3	4500 / 21.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC + 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab SWB, LWB Crew Cab		5000 / 21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB Cab & Chassis Crew Cab LWB		6000 / 28.0				
	Cab & Chassis Super Cab LWB		6500 / 28.0				

Comments: All models have special road load HP settings.
See page J for abbreviations and model codes.
** No service required

Date of Issue 082677 Revisions: 101477

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 2b

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R11

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐
Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C, V Mfgr. Part Number RLHP	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 (4 X 4) Regular Cab LWB	A-3	5000/22.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab LWB Crew Cab LWB		5500/22.0				
	Cab & Chassis Crew Cab		6000/28.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB		6500/28.0				
	Bronco		5000/22.0				

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

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 2

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R11

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Regular Cab LWB Super Cab SWB	A-3	4500 / 21.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/ Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. SEE 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	LWB		5000 / 21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB, LWB		5000 / 28.0				
	F-150 (4 X 4) Regular Cab SWB, LWB		5000 / 22.0				
	Super Cab LWB		5500 / 22.0				
	Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab LWB		5000 / 28.0				

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

Date of Issue 082677 Revisions: 101477

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 3

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 400 Engine Code 8-62T-R10

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Regular Cab LWB Super Cab SWB	A-3	4500/21.0	Ford D8TE 12127-FA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/ Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. SEE 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	LWB		5000/21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB, LWB		5000/28.0				
	F-150 (4 X 4) Regular Cab SWB, LWB		5000/22.0				
	Super Cab LWB		5500/22.0				
	Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab LWB		5000/28.0				

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

Date of Issue 10/14/77 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 3a

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 400 Engine Code 8-62T-R10

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 Regular Cab LWB	A-3	4500 / 21.0	Ford D8TE 12127-FA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC + 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab SWB, LWB Crew Cab, LWB		5000 / 21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB Cab & Chassis Crew Cab LWB		6000 / 28.0				
	Cab & Chassis Super Cab LWB		6500 / 28.0				

Comments: All models have special road load HP settings.
See page J for abbreviations and model codes.
** No service required

Date of Issue 10/14/77 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 3b

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 400 Engine Code 8-62T-R10

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 (4 X 4) Regular Cab LWB	A-3	5000/22.0	Ford D8TE 12127-FA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab LWB Crew Cab LWB		5500/22.0				
	Cab & Chassis Crew Cab		6000/28.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB		6500/28.0				
	Bronco		5000/22.0				

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

Date of Issue 10/14/77 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 4

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R12

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Regular Cab LWB Super Cab SWB	A-3	4500 / 21.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/ Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. SEE 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	LWB		5000 / 21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB, LWB		5000 / 28.0				
	F-150 (4 X 4) Regular Cab SWB, LWB		5000 / 22.0				
	Super Cab LWB		5500 / 22.0				
	Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab LWB		5000 / 28.0				

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

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 4a

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R12

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C, V Mfgr. Part Number	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 Regular Cab LWB	A-3	4500 / 21.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC + 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab SWB, LWB Crew Cab		5000 / 21.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB Cab & Chassis Crew Cab LWB		6000 / 28.0				
	Cab & Chassis Super Cab LWB		6500 / 28.0				

Comments: All models have special road load HP settings.
See page J for abbreviations and model codes.
** No service required

Date of Issue 11/15/77 Revisions:
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☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page 4b

Engine Family 351M/400 "A" (1 X 100) Engine (CID) 351 Engine Code 8-60S-R12

Emission Control System EGR, AI, OC +10%(A/C) Yes ☒ No ☐ Included in listed RLHP

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C, V Mfgr. Part Number RLHP	Fuel System Type 2 V Mfgr. Part Number	EGR System Part No. Service **	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-250 (4 X 4) Regular Cab LWB	A-3	5000/22.0	Ford D7AE-12127-BA	Ford D8TE-9510-CRA	D80E-9D448-BA	(1) 8° BTDC ± 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. (3) 650 ± 50 RPM in drive. All hoses connected.
	Super Cab LWB Crew Cab LWB		5500/22.0				
	Cab & Chassis Crew Cab		6000/28.0				
	Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB		6500/28.0				
	Bronco		5000/22.0				

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

Date of Issue 11/15/77 Revisions:
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