

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-122
Relating to Certification of New Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Ford Motor Company 1978 model-year gasoline-powered engines in heavy-duty motor vehicles with manufacturers gross vehicle weight rating greater than 8500 pounds are certified for the engine family, codes and models described below:

<u>Family</u>	<u>Engine Size (CID)</u>	<u>Exhaust Emission Control System</u>
351M/400	351 400	Engine Modification, Exhaust Gas Recirculation, Air Injection

Models and Engine Codes as listed in attachment.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
351M/400	Not Applicable	19	0.9	4.7

Engines 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 8 day of August, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Executive Order No. A-10-122 Page 1

Engine Family 351M/400 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. ServiceI-Inspect, repair/replace
as needed

R-Replace

Engine Model

351 M

400

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-122 Page 1Engine Family 351M/400 Engine (CID) 351 Calibration 7-71J-R10Emission Control System EGR/AI

Engine Models	Distributor Type: C,V,EI Mfgr. Part No.	Fuel System Type: 1-2V Mfgr. Part No.	EGR System Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
351M	Ford D7TE- 12127-AHA	Ford D8TE- 9510-BLZ	D7BE- 9D475-AA D8TE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged. (2) Preset at factory; do not adjust; see 1978 Ford Service Manual. (3) 650 RPM in neutral.

Comments

**Inspect and clean EGR system every 15,000 miles.

Date of Issue

Abbreviation

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
EI-Electronic Ignition

Exhaust Emission Control System
AI-Air Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst

*Service

I-Inspect, repair, replace
as needed
R-Replace

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-122 Page 2Engine Family 351M/400 Engine (CID) 351 Calibration 7-72J-R11Emission Control System EGR/AI

Engine Models	Distributor Type: EI, C,V Mfgr. Part No.	Fuel System Type: 1-2V Mfgr. Part No.	EGR System Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
351M	Ford D7TE- 12127-AHA	Ford D8TE- 9510 BJA	D7BE- 9D475-AA D8TE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged. (2) Preset at factory; do not adjust; see 1978 Ford Service Manual. (3) 650 RPM in drive 500 RPM in neutral w/TSP off (Air Conditioner off)

Comments

**Inspect and clean EGR system every 15,000 miles.

Date of Issue

Abbreviation

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

EI-Electronic Ignition

Exhaust Emission Control System

AI-Air Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst

*ServiceI-Inspect, repair, replace
as needed

R-Replace

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-122 Page 3Engine Family 351M/400 Engine (CID) 400 Calibration 7-74J-R11Emission Control System EGR/AI

Engine Models	Distributor Type: C,V,EI Mfgr. Part No.	Fuel System Type: 1-2V Mfgr. Part No.	EGR System Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
400	Ford D7TE- 12127-AHA	Ford D8TE- 9510-BEA	D7BE- 9D475-AA D8TE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged. (2) Preset at factory; do not adjust; see 1978 Ford Service Manual. (3) 650 RPM in drive 500 RPM in neutral w/TSC off (Air Conditioner off)

Comments

**Inspect and clean EGR system every 15,000 miles.

Date of Issue

Abbreviation

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

EI-Electronic Ignition

Exhaust Emission Control System

AI-Air Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst

*ServiceI-Inspect, repair, replace
as needed

R-Replace