

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-97  
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 1977 model-year gasoline-powered engines in heavy-duty motor vehicles are certified for the engine family described below:

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

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.

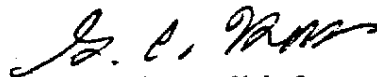
The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<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 EGR/AIR	Not Applicable	16	0.6	5.4

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 10 day of December, 1976.



G. C. Hass, Chief  
Vehicle Emissions Control Division

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 1  
 Engine Family 351M/400 EGR/AIR Engine (CID) 351 Calibration 7-71J-R1  
 Emission Control System EM/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 D7TE- 9510-CJA	D7BE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in neutral.
<b>Comments</b> **Inspect and clean EGR system every 15,000 miles.				
<b>Date of Issue</b>				

**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

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 2Engine Family 351M/400 EGR/AIR Engine (CID) 351 Calibration 7-72J-R1Emission Control System EM/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 D7TE- 9510-CKA	D7BE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in drive (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

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 3Engine Family 351M/400 EGR/AIR Engine (CID) 400 Calibration 7-74J-R1Emission Control System EM/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 D7TE- 9510-CLA	D7BE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in drive (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

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 4Engine Family 351M/400 EGR/AIR Engine (CID) 351 Calibration 7-71J-R10Emission Control System EM/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 D7TE- 9510-CZA	D7BE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in neutral.

## Comments

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

Date of Issue R/C - HD4 050677

## 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

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 5Engine Family 351M/400 EGR/AIR Engine (CID) 351 Calibration 7-72J-R11Emission Control System EM/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 D7TE-9510-DAA	D7BE-9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in drive (Air Conditioner off)

## Comments

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

Date of Issue R/C - HD4 050677

## 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

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Executive Order No. A-10-97 Page 6Engine Family 351M/400 EGR/AIR Engine (CID) 400 Calibration 7-74J-R1JEmission Control System EM/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 D7TE- 9510-CLA	D7BE- 9D475-AA	(1) 10° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in drive (Air Conditioner off).

## Comments

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

Date of Issue RC-HD4 050677

## 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