

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-84  
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>
330/361/391	330	330 X.D.	Engine Modification (IMCO), Air Injection, Exhaust Gas Recirculation
	330	330 M.D.	
	361	361 X.D.	
	391	389 X.D.	

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.

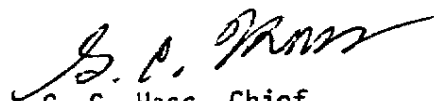
The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<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>
330/361/391	Not Applicable	23	1.0	6.5

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-10-84 Page 1Engine Family 330/361/391 Engine (CID) 330 Calibration 7-81K-R0Emission Control System IMCO/EGR/AIR

Engine Models	Distributor Type: V,C 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
330 M.D. 330 X.D.	Ford D7TE- 12127-ZA	Ford D7TE- 9510-BAA	D4UE- 9D475-A1A	(1) 4° 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 valve every 16,000 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-10-84 Page 2Engine Family 330/361/391 Engine (CID) 361 Calibration 5-85J-R-6Emission Control System IMCO/EGR/AIR

Engine Models	Distributor Type : V,C Mfgr. Part No.	Fuel System Type : 1-4V Mfgr. Part No.	EGR System Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
361 XD	Holley D5TE- 12102-CA	Holley D5TE- 9510-BA	D40E- 9D475-AA  D8TE- 9510-BZA (a)	(1) 6° BTDC @ 650 RPM in neutral; vacuum lines disconnected and plugged.  (2) Preset at factory; do not adjust; see 1977 Ford Service Manual.  (3) 650 RPM in neutral (Air Conditioner off)
<b>Comments</b> ** - Inspect and clean EGR valve every 16,000 miles.				
<b>Date of Issue</b> (a) R/C HD-1 090777				

**Abbreviation****Distributor**

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

Manufacturer Ford Motor Company Executive Order No. A-10-84 Page 3Engine Family 330/361/391 Engine (CID) 361 Calibration 5-86J-R3Emission Control System IMCO/EGR/AIR

Engine Models	Distributor Type: C,V Mfgr. Part No.	Fuel System Type: 1-4V Mfgr. Part No.	EGR System  Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
361 XD	Holley D5TE- 12102-DA	Holley D5TE- 9510-BA	D40E- 9D475-AA	(1) 6° 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.
<b>Comments</b> ** - Inspect and clean EGR valve every 16,000 miles.				
<b>Date of Issue</b>				

**Abbreviation****Distributor**

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**Exhaust Emission Control System**

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

Manufacturer Ford Motor Company Executive Order No. A-10-84 Page 4Engine Family 330/361/391 Engine (CID) 391 Calibration 5-89J-R-3Emission Control System IMCO/EGR/AIR

Engine Models	Distributor Type: V,C Mfgr. Part No.	Fuel System Type: 1-4V Mfgr. Part No.	EGR System Part No. Service**	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
389 XD	Holley D4TE- 12102-BA	Holley D5TE- 9510-AA	D4DE- 9D475-EA	(1) 4° 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. (Air Conditioner off)

## Comments

\*\* - Inspect and clean EGR valve every 16,000 miles.

Date of Issue 121076; Rev. 11277

## Abbreviation

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

Manufacturer Ford Motor Company Executive Order No. A-10-84 Page 5Engine Family 330/361/391 Engine (CID) 391 Calibration 5-90J-R-3Emission Control System IMCO/EGR/AIR

Engine Models	Distributor Type: V,C Mfgr. Part No.	Fuel System Type: 1-4V Mfgr. Part No.	EGR System  Part No. Service**	Tune-Up Specifications  (1) Basic Timing (2) Idle Mixture (3) Idle Speed
389 XD	Holley D4TE- 12102-CA	Holley D5TE- 9510-AA	D4DE- 9D475-EA	(1) 4° 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.

## Comments

\*\* - Inspect and clean EGR valve every 16,000 miles.

Date of Issue 121076; Rev. 11277

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