

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-124  
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>
477/534	477 534	Engine Modification 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>
477/534	Not Applicable	18	0.5	5.9

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-10-124 Page 1

Engine Family 477/534 Engine (CID) 477/534

## 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

475/477

534

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

Manufacturer Ford Motor Company Executive Order No. A-10-124 Page 1Engine Family 477/534 Engine (CID) 477 Calibration 7-93J-R-0Emission Control System AI

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
475/477	Holley D6HE- 12127-FA	Holley D8HE- 9510-EA  D8HE- 9510-CA  D8HE- (1) 9510-CB		(1) 10° BTDC @ 600 RPM in neutral vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1978 Ford Service Manual.  (3) 600 RPM in neutral (Air conditioner off)
Comments				
Date of Issue <span style="float: right;">Revision:(1) R/C HD-3 040178</span>				

## 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-10-124 Page 2Engine Family 477/534 Engine (CID) 534 Calibration 7-95J-R-0Emission Control System AI

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
534	Ford D6HE- 12127-GA	Holley D8HE- 9510-FA  D8HE- 9510-DA  <b>D8HE- (1) 9510-DB</b>		(1) 10° BTDC @ 600 RPM in neutral, vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; see 1978 Ford Service Manual.  (3) 600 RPM in neutral (Air Conditioner off)

Comments

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AbbreviationDistributor

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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

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as needed

R-Replace

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

Manufacturer Ford Motor Company Executive Order No. A-10-124 Page 3Engine Family 477/534 Engine (CID) 534 Calibration 7-96J-R-0Emission Control System AI

Engine Models	Distributor Type: C,V Mfgr. Part No.	Fuel System Type: I-4V Mfgr. Part No.	EGR System  Part No. Service*	Tune-Up Specifications  (1) Basic Timing (2) Idle Mixture (3) Idle Speed
534	Ford D6HE- 12127-GA	Holley D8HE- 9510-FA  D8HE- 9510-DA  <b>D8HE- (1) 9510-DB</b>		(1) 10° BTDC @ 600 RPM in neutral, vacuum lines to distributor disconnected and plugged.  (2) Preset at factory; do not adjust; See 1978 Ford Service Manual.  (3) 600 RPM in neutral (Air Conditioner off)

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