

E. C. Hass

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-82
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>
300	300	300LD 300HD	IMCO (Engine Modification)

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.

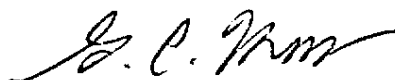
The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<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>
300	Not Applicable	9	0.6	6.0

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-10-82 Page 1

Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77J-R0

Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: 1-1V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D5TE- 9510-AGA		(1) 10° BTDC @ 600 RPM in neutral; vacuum lines to distributor disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual; (3) 600 RPM in Neutral (Air Conditioner off)
Comments				
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

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

Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 2Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77M-R0Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: 1-1V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD, 300 HD	Ford D7TE- 12127-UA	Carter D5TE- 9510-AFA (LD only) Carter D5TE- 9510-AJA (LD & HD)		(1) 10° BTDC @ 600 RPM in neutral; vacuum lines to distributor disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual. (3) 600 RPM in Neutral.
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Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 3Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-78J-R0Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type : C,V,VR,EI Mfgr. Part No.	Fuel System Type : I-IV Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D5TE- 9510-AGA		(1) 10° BTDC @ 700 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual. (3) 600 RPM in drive (Air Conditioner off).
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Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 4

Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-78K-R0

Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: I-IV Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D5TE- 9510-AFA		(1) 10° BTDC @ 700 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual. (3) 600 RPM in drive.
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Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 5

Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77J-R10

Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: 1-1V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D7TE- 9510-CAA		(1) 10° BTDC @ 600 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual. (3) 600 RPM in neutral (Air Conditioner off)
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Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 6Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77M-R10Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: I-IV Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD, 300 HD	Ford D7TE- 12127-UA	Carter D5TE- 9510-CBA (LD & HD) D5TE- 9510-CCA (LD only)		(1) 10° BTDC @ 600 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; See 1977 Ford Service Manual. (3) 600 RPM in neutral.
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Engine Models	Distributor Type : C,V,VR,EI Mfgr. Part No.	Fuel System Type : 1-1V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D7TE- 9510-CAA		(1) 10° BTDC @ 700 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual. (3) 600 RPM in drive (Air Conditioner off)
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Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 8

Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-78K-R10

Emission Control System IMCO (Engine Modification)

Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: 1-1V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
300 LD	Ford D7TE- 12127-UA	Carter D7TE- 9510-CCA		(1) 10° BTDC @ 700 RPM in neutral; vacuum lines disconnected and plugged. (2) Preset at factory; do not adjust; See 1977 Ford Service Manual. (3) 600 RPM in drive (Air Conditioner off)
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