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:

Family	Engine Size (CID)	Engine Model	Exhaust Emission Control System
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:

Engine	HC + NOx	CO	HC	NOx
Family	gm/bhp-hr	gm/bhp-hr	gm/bhp-hr	gm/bhp-hr
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 ______ day of December, 1976.

G. C. Hass, Chief

Vehicle Emissions Control Division

Manufacturer Ford Motor Company Executive Order No. A-10-82 Page 1 Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77J- Emission Control System IMCO (Engine Modification) Engine Models Distributor Type: Type: C,V,VR,EI Mfgr. Part No. Part No. Part No. Service* Control System IMCO (Engine Modification) EGR System Tune-Up Specifications	1977 AIR RESOUR	CES BOARD SUPP	LEMENTAL DATA	SHEET HEAVY-D	UTY GASOLINE ENGINES
Engine Family 300 (50 State) Engine (CID) 300 Calibration 7-77J- Emission Control System IMCO (Engine Modification) Engine Models Distributor Type: C.y.VR,EI Mfgr. Part No. Part No. Part No. Service* 300 LD Ford D7TE-12127-UA Carter D5TE-9510-AGA (1) 10° BTDC @ 600 RPM in neutral; vacuum lines to distributor disconnec and plugged. (2) Preset at factory; do no adjust; see 1977 Ford Service Manual; (3) 600 RPM in Neutral (Air Conditioner off)					
Engine Models Distributor Type: C.y.VR.EI Mfgr. Part No. Carter DTTE-12127-UA PSTOC @ 600 RPM in neutral; vacuum lines to distributor disconnec and plugged. (1) Preset at factory; do no adjust; see 1977 Ford Service Manual; (3) 600 RPM in Neutral (Air Conditioner off)	Engine Family_	300 (50 State			
Engine Models Distributor Type: C,V,VR,EI Mfgr. Part No.	Emission Contr	ol System <u>IMCO</u>	(Engine Modif	ication)	
DOTTE- 12127-UA DSTE- 9510-AGA DSTE- 9510-AGA DSTE- 9510-AGA (2) Preset at factory; do no adjust; see 1977 Ford Service Manual; (3) 600 RPM in Neutral (Air Conditioner off)	Engine	Distributor Type: C,V,VR,EI Mfgr.	Fuel System Type: 1-1V Mfgr.	EGR System Part No.	(1) Basic Timing (2) Idle Mixture
Date of Issue Abbreviation	Comments Date of Issue	D7TE-	D5TE-		 (1) 10° BTDC @ 600 RPM in neutral; vacuum lines to distributor disconnecte and plugged. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual; (3) 600 RPM in Neutral (Air
Distributor C-Centrifugal Advance Exhaust Emission Control System *Service Al-Air Injection	Distributor	Exhaust	Emission Con	trol System	*Service

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

Engine Family	y 300 (50 State) trol System IMC(ngine (CID)_	er No. A-10-82 Page 2 300 Calibration 7-77M-
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.
omments				
ate of Issue				

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

Manufacturer_	Ford Motor Com	pany 1	Executive Orde	DUTY GASOLINE ENGINES er No. <u>A-10-82</u> Page <u>3</u>
Engine Family	300 (50 State) {	Engine (CID)_	300 Calibration 7-78J-R
Emission Cont	rol System <u>IM</u> (CO (Engine Mod	ification)	
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 @ 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).
Comments				
Date of Issue				
Abbreviation Distributor C-Centrifugal Adva	Exhaust Ince Al-Air	Emission Con Injection	trol System	*Service I-Inspect, repair replace

V-Vacuum Advance VR-Vacuum Retard EI-Electronic Ignition

EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst

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

1977 AIR RESOUR	CES BOARD SUPP Ford Motor Com			OUTY GASOLINE ENGINES
Engine Family_				r No. A-10-82 Page 4
Emission Contro			ingine (CID)	Calibration 7-78K-RC
- STOR SORE	JI System Inco	Cingine Modi	Tication)	
Engine Models	Distributor Type: C,V,VR,EI Mfgr. Part No.	Fuel System Type: 1-1V Mfgr.	Part No.	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture
	raic no.	Part No.	Service*	(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.
Comments				
Date of Issue				
Abbreviation Distributor C-Centrifugal Advan	Exhaust ce AI-Air	Emission Con Injection	trol System	*Service

V-Vacuum Advance VR-Vacuum Retard EI-Electronic Ignition

EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst

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

Manufacturer_	Ford Motor Cor	npany !	Executive Orde	er No. A-10-82 Page 5
Engine Family	300 (50 State)		ingine (CID)	300 Calibration 7-77J-F
Emission Cont	rol System IMCO	(Engine Modif	ication)	
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
aments te of Issue	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)
breviation stributor				

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

'<u>Service</u> I-Inspect, repair, replace as needed R-Replace

				PUTY GASOLINE ENGINES Page 6
				300 Calibration 7-77M-R1
Emission Con	trol System <u>IMC</u>) (Engine Modi	fication)	
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-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.
Abbreviation Distributor C-Centrifugal Adv	Exhaus	t Emission Con	trol System	*Service

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

Engine	Distributor	Fuel System	EGR System	Tune-Up Specifications
Models	C,V,VR,EI Mfgr. Part No.	Type: 1-1V Mfgr. Part No.	Part No. Service*	(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)
nments				
te of Issue				

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

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-1 C	<u> </u>	ingine (CID) <u>3</u>	OO Calibration 7-78
ol System IMCO) (Engine Modi	fication)	
Distributor Type:	Type:	EGR System	Tune-Up Specifications
Mfgr. Part No.	Mfgr. Part No.	Part No. Service*	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
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)
	,		
		1	
	Distributor Type: C,V,VR,EI Mfgr. Part No. Ford D7TE-	Distributor Type: C,V,VR,EI Mfgr. Part No. Carter D7TE- Distributor Fuel System Type: 1-1V Mfgr. Part No. Carter D7TE-	Distributor Type: C,V,VR,EI Mfgr. Part No. Carter D7TE- Distributor Fuel System EGR System Type: C,V,VR,EI Part No. Ford D7TE- Canter D7TE-

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

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