## State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-120 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>	Engine Size (CID)	Exhaust Emission Control System
330/361/391	330 361 391	Engine Modification, Exhaust Gas Recirculation, 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:

Engine	HC + NOx	CO	HC	NOx
Family	gm/bhp-hr	gm/bhp-hr	gm/bhp-hr	gm/bhp-hr
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 \_\_\_\_\_ day of August, 1977.

6. P. DRANN

G. C. Hass, Chief Vehicle Emissions Control Division

## 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ManufacturerFord Motor Co.Executive Order No.A-10-120Page1Engine Family330/361/391Engine (CID)330/361/391

ABBREVIATIONS <u>Distributor</u> C-Centrifugal Advance V-Vacuum Advance VR-Vacuum Retard HEI-High Energy Ignition EI-Electronic Ignition <u>Fuel System</u> 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. Service I-Inspect, repair/replace as needed R-Replace

Engine Model

330 XD 361 XD 389 XD

8/29/2007

Manufacturer Ford Motor Company			Executive Order No. <u>A-10-120</u> Page <u>1</u>			
Engine Family	330/361/391	E	Engine (CID)	330 Calibration 7-81k		
Emission Cont	rol System	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 X.D.	Ford D7TE- 12127-ZA	Ford D8TE- 9510- AA	D4UE- 9D475-ад	<ul> <li>(1) 4° BTDC @ 650 RPM</li> <li>in neutral; vacuum</li> <li>lines to distributor</li> <li>disconnected and plugg</li> <li>(2) Preset at factory; do</li> </ul>		
				not adjust; see 1978 Ford Service Manual.		
				(3) 650 RPM in neutral.		
Comments		<u> </u>				
** - Inspect a	nd clean EGR va	lve every16,00	0 miles.			
Date of Issue						
200 01 13300						
bbreviation Distributor	Exhau	st Emission Co	ntrol System	*Service		
-Centrifugal Ad -Vacuum Advance	vance AI-A1 EGR-E	r Injection xhaust Gas Rec		I-Inspect, repair, replace as needed		
R-Vacuum Retard	<b>F</b> 11 <b>F</b>	gine Modificat		R-Replace		

Manufacturer Ford Motor Company		npany E	Executive Order No. <u>A-10-120</u> Page 2		
				Calibration_5-85J	
	rol System				
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 D8TE- 12127-HA	Holley D8TE- 9510-BZA D8TE- 9510-AGA D8TE- <sup>(1)</sup> 9510-AGB	D4 0E- 9D475-AA	<ul> <li>(1) 6° BTDC @ 650 RPM in neutral; vacuum lines disconnected and plugged.</li> <li>(2) Preset at factory; do not adjust; see 1978 Ford Service Manual.</li> <li>(3) 650 RPM in neutral (Air Conditioner off)</li> </ul>	
omments ** - Inspect and	l clean EGR valv	ve every 16,000	)miles.		
te of Issue	Revis	ion:(1) R/C-HD	3 04178		
breviation stributor Centrifugal Adv Vacuum Advance -Vacuum Retard -Electronic Ign	EGR-Ex	t Emission Con Injection haust Gas Rec ine Modificat	Irculation	* <u>Service</u> I-Inspect, repair, replace as needed R-Replace	

Manufacturer	Ford Motor Company		Executive Order No. <u>A-10-120</u> Page <u>3</u>		
Engine Family_330/361/391		Engine (CID)_361Calibration_5-86J-R			
Emission Contr	ol System	EGR/AIR	,		
Engine Models 361 XD	Distributor Type: C,V Mfgr. Part No. Holley D5TE- 12102-DA D8TE 12127-HA	Fuel System Type: 1-4V Mfgr. Part No. Holley DBTE 9510-BZA DBTE- 9510-AGA D8TE- (1) 9510-AGB	EGR System Part No. Service** D4CE- 9D475-AA	<pre>Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed (1) 6° BTDC @ 650 RPM     in neutral, vacuum     lines to distributor     disconnected and plugged (2) Preset at factory; do     not adjust; see 1978     Ford Service Manual. (3) 650° RPM in drive.</pre>	
** - Inspect a	and clean EGR va				
Date of Issue	Revisi	lon:(1) R/C HD-	-3 040178		
Abbreviation <u>Distributor</u> C-Centrifugal Adv V-Vacuum Advance VR-Vacuum Retard EI-Electronic Igr	ance AI-Ain EGR-E:	<u>st Emission Co</u> r Injection xhaust Gas Rec gine Modificat	irculation	* <u>Service</u> I-Inspect, repair, replace as needed R-Replace	

	Ford Motor Company		executive urge	r No. <u>R-10-120</u> Page_4
Engine Family_	330/361/391	E	Ingine (CID)	391 Calibration 5-89J-R
Emission Contro	ol System	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 D8TE- 12127-GA	Holley DRTE- 9510-CBA D8TE- 9510-BSA D8TE- 9510-BSB	D4DE- 9D475-EA	<ul> <li>(1) 4° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged.</li> <li>(2) Preset at factory; do not adjust; see 1978 Ford Service Manual.</li> <li>(3) 650 RPM in neutral. (Air Conditioner off)</li> </ul>
comments ** - Inspect a bate of Issue				L
bbreviation istributor -Centrifugal Adv. -Vacuum Advance	<u>Exhau</u> ance AI-Ai	sion:(1) R/C H st Emission Co r Injection xhaust Gas Rec	ontrol System	* <u>Service</u> I-Inspect, repair, replace as needed

Manufacturer	Ford Motor Co	mpany F	xecutive Order	No. <u>A-10-120</u> Page 5
Engine Family				391 Calibration 5-90J-R
Emission Contro				
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 D8TE- 12127-GA	Holley D&TE- 9510-CBA D&TE- 9510-BSA D&TE- 9510-BSB	D4DE- 9D475-EA	<ul> <li>(1) 4° BTDC @ 650 RPM in neutral; vacuum lines to distributor disconnected and plugged</li> <li>(2) Preset at factory; do not adjust; see 1978 Ford Service Manual.</li> <li>(3) 650 RPM in drive.</li> </ul>
Comments ** - Inspect and	clean EGR val	ve every 16.00	00 miles.	
Date of Issue		.on:(1) R/C HD		, <u>, , , , , , , , , , , , , , , , , , </u>
Abbreviation Distributor C-Centrifugal Adva V-Vacuum Advance	ince AI-Air	st Emission Co • Injection «haust Gas Rec		* <u>Service</u> I-Inspect, repair, replace as needed
VR-Vacuum Retard EI-Electronic Ign	EM-Eng	ine Modificat	ton	R-Replace