State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-279-1 Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1985 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles:

Engine Fami ly		acement hes (Liters)	Exhaust Emission Control Systems (Special Features)		
FFM5.8T2HGG1	302/351	(5.0/5.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop		

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4000-5999	0.50	9.0	1.0

The following are the certification emission values for the above engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4000-5999	0.19	2.6	0.8

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

This Executive Order rescinds Executive Order A-10-279, dated June 29, 1984.

Executed at El Monte, California this 6 to day of July, 1984.

K. D. Drachand, Chief Mobile Source Division

Manufacturer	Ford Motor Company	Executive Order No.	A-10-279-1
Engine Family	FFM5.8T2HGG1 (F5.0/5.8TGG)	Evaporative Family	5DM, 5DQ
		Engine CID (Liters)	302/351 (5.0/5.8)

ABBREVIATIONS

Ignition System .

CA-Centrifugal Advance EEC-Electronic Engine Control EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard

Fuel System CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor 'V-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump AIV-Air Injection-Valve CL-Closed Loop EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst System TOC-Trap Oxidizer Continual TOP-Trap Oxidizer Periodical TR-Thermal Reactor TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve CFI-Central Fuel Injection DID-Diesel Injection-Direct DIP-Diesel Injection-Prechamber EFI-Electronic Fuel Injection IC - Intercooler MFI-Mechanical Fuel Injection TC-Turbocharged

VEHICLE MODELS:

F150 4x2

Regular Cab (SWB, LWB). Super Cab (SWB, LWB)

F150 4x4

Regular Cab (SWB, LWB)

Super Cab (LWB)

F250 4x2

Regular Cab (LWB)

F250 4x4

Regular Cab (LWB)

Bronco 4x4 Standard E150 4x2 Regular Van (SWB, LWB)

Super Van (LWB) Club Wagon (LWB)

E250 4x2

Regular Van (LWB) Super Van (LWB)

DRIVE	SYSTEM:_	Front	Engi	ne/F	lear	-Wheel	Drive
	Engine	Family	F5.0/5.8TG	3			

Issue Date:	JUN 11	1984			17-3			T	,	r
Revised:		[[1		<u> </u>	L			L

E.O. #A-10-279-/

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars \underline{X} Light-Duty Trucks \underline{X} Medium-Duty	Vehicles	X Gas Diesel
Manufacturer Ford Motor Company	Page	2A
Engine Family FFM5.8T2HGG1 (F5.0/5.8TGG)	Engin Code	e 4-54R R12B
ECS (Special Features) AIP, CL, EGR, OC, TWC	ID (Liter)- Type	302 (5.0) V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Wei g ht	Ign. System EEC IV Part No.	Fuel System 2V Part No.	EGR Valve	Label Ident. Part No
4-54R R12B	F150 4x2 RCS RCL SCS SCL	AOX051 (L4)	4000 4250 4500	E43F-ZA	E5TE-YA	E3TE-CA	CCD
	F250 4x2 RCL						
	E150 4x2 RVS RVL SVL CWL		4250 4750 5000 5250				
	E250 4x2 RVL	AOX 051/054			·	·	
	•						
•			•				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of issue: June 8, 1984

Engine Family F5.0/5.8TGG

Issue Date: JIIN 1 1 1984	17-4A
Revised:	

E.O. #A-10-279-/

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks	$\frac{X}{X}$ Medium-Duty Vehicles $\frac{X}{X}$ Gas Diesel
Manufacturer Ford Motor Company	Page 2B
Engine Family FFM5.8T2HGG1 (F5.0/5.8TGG)	
ECS (Special Features) AIP, CL, EGR, OC	C, TWC CID (Liter)- 351 (5.8) C, TWC V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Wei g ht	Ign. System EEC IV Part No.	Fuel System 2V Part No.	EGR Valve	Label Ident. Part No
4-64T ROOB	F150 4x2 RCL SCS SCL 4x4 RCS RCL SCL	C6015 (A3)	4250 4500 4750	E43F-ADA	E5TE-AAA	E4TE-AA	CCG
	F250 4x2 RCL 4x4 RCL		4500 5000				
	Bronco 4x4 Std						
	E150 4x2 RVS RVL SVL CWL		4500 4750 5000 5250				CCT
•	E250 4x2 RVL SVL		5500				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of issue: June 8, 1984

Engine Family F5.0/5.8TGG

Issue Date: JUN 11 1;	17-4B
Revised:	

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Section 6:13:01:00 1909 Figure 6:10: Trock Dir Trade 6:10: 10 - 11	Section 8.13.01.00	1985 LIGHT-DUTY TRUCK	DPA TABLE	E. O. #	A-10-279-1
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	ETW		No	n A/C		./c
Truckline	Limit		DPA	CDT	DPA	CDT
Ranger 4x2	3125		11.4	13.46	12.5	12.48
Ranger 4x2	3250		11.7	13.87	12.9	12.88
Ranger 4x2	3625		15.2	11.47	16.6	10.68
Chassis Cab	@28 sq. ft.					
Ranger 4x2	3875		18.1	10.98	19.5	10.33
Chassis Cab	@39 sq. ft.					
Ranger 4x4	3375		11.8		13.0	12.12
Ranger 4x4	3625		12.2	13.49	13.4	12.52
Bronco II	3625		11.0	14.24	12.1	13.26
Bronco II	3750		11.5	14.24	12.6	13.35
F-150 4x2 1/	4000		13.2	13.24	14.5	12.41
F-150 4x2	4500		14.0	14.18	15.4	13.20
F-150 4x2	4750		15.2	15.42	16.6	14.35
F-250 4x2	5000	R		14.18		13.30
		В	18.0	12.77	19.4	12.04
F-150 4x4	5000	R	16.5			13.30
		B	18.6	12.23	20.0	11.59
F-250 4x4	5250	R	17.7	14.03	19.1	13.18
	5500	B	20.0	12.53	21.4	11.90
Bronco	5000	R	14.0	15.42	15.4	14.36
	5250	B	17.2	12.51	18.6	11.88
E-150	5250	R	15.2	15.38	16.6	14.35
"E-250 -	5500	R	17.3	14.16	18.7	13.31
	6000	В	18.0	13.71	19.4	13.05

NOTES

B=Bias R=Radial tires (All values for radial tires except where noted)

1/ F-150 (4000 ETW, Radial Tires and 1" x 50" spoiler)

Fasina Familia	F5.0/5.8TGG	
Engine ramily	10.0/0.0100	

'ssue Date:	JUN 1 1 1984	1	17-5		
evised:					