State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-252 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 RESULVED: That 1984 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacer Cubic Inches		Exhaust Emission Control Systems (Special Features)					
EFM5.0V5HBC4	302	(5.0)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central Fuel Injection)					

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":

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Grams per Mile	Grams per Mile	Grams per Mile
0.39	7.0	0.7

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Grams per Mile	Grams per Mile	Grams per Mile
ก 35	1.5	0.6

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) and Health and Safety Code Section 43204.

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.

Executed at El Monte, California this _

_ gay of daily 1303

K. D. Drachand, Chief Mobile Source Control Division Engine Family EFM5.0V5HBC4 Evaporative Family 4FM

Engine CID (Liters) 302 (5.0L)

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
VV-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
TR-Thermal Reactor
TWC-Three-Way Catalyst System

Special Featur

CCV-Combustion

TC-Turbocharg

VEHICLE MODELS:

Vehicle Line	Body Type (Cab Style)	Body Code (Wheelbase)			
Mark VII	2dr. Sedan	63D			
Continental	4dr. Sedan	54D .			
Lincoln	4dr. Sedan	54D			
Crown Victoria	2dr. , 4dr.& Station Wagon	66K,54K,74K			
Grand Marquis	ti ii ii	tt 11 II			
Thunderbird	2dr. Sedan	63D			
Cougar	2dr. Sedan	66D			
Mustang .	2dr.,3dr. & Conv.	61B,66B,B2L			
Capri	3dr. Sedan	61D			

Engine Family E5.0VBC

i	Issue Dat	e JUN 2 9 1983	16.02-2	 -\
	Revised			

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

	facturer FORD MOTO	Page Engine					
	ne Family EFM5.0V5H (Special Features)		EGR, TWC,	CFI	Code CID (Liter)- Type		
Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve	Lab: Ider Par
22DROOA/N	Thunderbird 63D 8.1 hp.	AOX050	3625	E35F-12A649- EA	E4VE-9C973- EA	E3AE-9F483- AA (alt.) EOSE-9F483-	AKB
n	Couqar 66D 9.4hp. Continental 54D 10.0 hp.	A0X048	4000	п	11	AA ,,	E4A- AKC
11	Mark VII 63D 8.3 hp.	11		71		11	
22PR90A/N	Mustang 61B 2 dr. 8.6 hp. 66B 3 dr. 8.5 hp. B2L (conv.)8.7hp.	ł	3250 3375 3500	E4VF-12A650 NA	- E4ZE-9C973- AA	E3VE-9F483- AA (alt.) E4SE-9F483- AA	E4A- AJH
u	Capri 61D 8.3hp	11	"	u ·		"	
22QROOA/N	Crown Victoria 54K 4dr. 10.8hp. 66K 2dr. 10.8hp. 74K wagon 11.4hp	A0X049	4250	E4VF-12A650 JA	- E4AE-9C973- FA	E4SE-9F483- AA	E4A-1 ADV
81	Grand Marquis	n,	11		n	31	,
	Lincoln 54D	,,,	"	11	"	11	,

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 equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Engine Family <u>E5.0VBC</u>	· ·	~
Issue Date JUN 29 1983	16.02-1	

Reviewed by R9/Cenny Date 7/15/3

1984 MODEL-YEAR CERTIFICATION REVIEW SHEET EXHAUST/EVAPORATIVE SYSTEM & FILL SPECIFICATION COMPLIANCE

	Mfor. Fo	ord Motor Co	mpany	•		. <u> </u>	Engine	Family	EFM:	5.0V5	HBC4			
•	TC LDT	VDV	Gas	x Dies	e1	LPG _	Engin	e Code	- CA	1.75 × 4	19S	_ 50\$	`	
	CID 302 L	iters 5.0	Rated H	P <u>130/1</u> 4	45 0 3	200/360	<u>oo </u> rpm r	ated To	orque	240/2	45 @ 2	000/2	20 0PM	
	Type Cert	- 50K _x	100k	·	Eva	porativ	e Family	4FM		Er	ig. Ty	р е <u>v</u> .	-8	<u>-</u>
	Exhaust Co	ontrol Sys.	and (Sp	ecial F	eature:	s)	EGR/AIR	/TWC/EE	c/cl					_
	2 Fuel, Te Procedur 3 Warr. St 4 Maint: (5 Tune-Up 6 Evap. Co 7 Engine F 8 Fuel/Ign	ed Represeres Equipments & Route tate & Part Cert/Req'd/i Lab./Vac. Control Systemation Systematical Systemati	nt s List Recm'd Hose Dia em	6.03 6.03 8.0 8.0	1/6.04 3 1/6.02/ 7.00 .11 DA	6.02 — — — 13 I	Projected /ehicle De Test Veh. C/O MY or Zero Mile Vehicle L Maint. Lo	C/A EI Books ogs gs & Ei	ngr. E	Eval.	Dur. - 12 12 12	OF E	mis. - 12 12 12	
STATEMENTS: I Gen. Std., Increase in Em., Safety, Mtg. All Req'ments. 2 Prod. Veh. Same as Test Veh. 3 Suitability for 91 RON Fuel Label Durability 5 Driveability 6 Fill Pipe Access Zone 7 Fill Pipe Performance 8 1 Fill Pipe Specs. 2 Altitude A/F Req'ment 3 Carb. Tamperproof Req'ment 8.16 4 Ck for DF, Outlier, Line Xing 12 5 EPA Certificate 5 PA Certificate 6 Optional 75K-mi Recall 7 Alcohol Compatible 9 Cert. Preview Program ABR									ed	-				
		Code		Axle		_	MPG City/Hwy	PRO Test	JECTE	D EMI	SSIONS	HW) (1)	50K	 -
	Veh. ID	(Disp1)	Trans	Ratio	ETW	RLHP	City/Hwy	Loc.	HC		XUN	NUX	FAGD	_
471	-5.0-C-757	322DR00A	A0X048	3.27	4000	9.1	16.4/26.9	Ford (.35	1.5	(-6)	.31	.7	
421 ;	-5.0 - J-769	422PROOA	AOX 044	3.27	3500	9 . 6	15.8/25.9	Ford	.24	.34	.53	.29	n/a	
•								/* %						
	-	mission dat	an	d inclu	des det	eriora	tion fact	ors of			.7 1.000 0.01		2.0	-
		72 yr /24,												_

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