

## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-10-288 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 Family	Displacen Cubic Inches		Exhaust Emission Control Systems (Special Features)
FFM5.0T5HAG8	302	(5.0)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with closed loop (Electronic Fuel Injection)

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

The following are the emission standards for this engine family:

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	0.33	2.4	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).

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  $16^{16}$  day of November, 1984.

K. D. Drachand, Chief Mobile Source Division

Manufacturer F	ord Motor Co	ompany	_ Executive O	rder No. <u>A-10</u>	-288
Engine Family	FFM5.OT5HAG8	3	_ Evaporative	Family 5H	M
			Engine CID	(Liters) <b>302 (</b> 5.	OL)
ABBREVIATIONS					
Ignition System .		Exhaust En	issions Contr	ol System	Special Features
CA-Centrifugal Adv EEC-Electronic Eng EI-Electronic Igni ESAC-Electronic Sp Control VA-Vacuum Advance VR-Vacuum Retard	AIV-Air In CL-Closed EGR-Exhaus EM-Engine OC-Oxidati TOC-Trap O TOP-Trap O	t Gas Recircu Modification on Catalyst S xidizer Conti xidizer Perio	lation ystem nual dical	CCV-Combustion Chamber Valv CFI-Central Fuel Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic	
CFI, CL, DID, DIP, nV-nVenturi Carbur 'V-Variable Ventur	etor			•	Fuel Injection IC - Intercooler MFI-Mechanical Fuel Injection TC-Turbocharged
TE SECTION SECTION					
F-150 4x2	•		F-	150 4x4	
Regular Super Ca	Cab (SWB/LW ab (SWB/LW		•	Regular Cab Super Cab	(SWB/LWB) (SWB/LWB)
F-250 4x2			F-	250 4x4	
Regular	Cab (LWB)			Regular Cab	(LWB)
BRONCO 4x4					
(STD)				-	
CRIVE SYSTEM:	FRONT E	ngine/ <u>RE</u>	AR -!/hee1	Drive	
Engine Family		F5.0TAG			

Issue Date Revised:

E.O. \*A-10-288
1985 AIR RESCURCES BOARD SUPPLEMENTAL DATA SHEET

Manut	facturer <u>Fo</u>	rd Moto	or Compa	any	Page Engin	2	
Engir	e FamilyFFM	15.0Т5НД	AG8		Code	5-54S-R00	A/N
ECS (	(Special Features)	A	IP/EGR/	TWC/OC/CL (EF	CID (Liter)- Type _	302 (5.0I	) <b>V8</b>
Engine Code	Vehicle Models (If Coded see attachment)	Trans. A/T	Equiv. Test Weight		Fuel System -9H487-	EGR Valve -9F483-	Label Ident.
			<u> </u>	Part No.	Part No.	Part No.	Part No
5-5 <b>4</b> S- R00A/N	F-150 4x4	AOD4	t t	E5TF-UA	E5TE-CF	E5TE-DB	CJM
·	RCS		4250			2312 33	
	RCS			,		·	
	RCS		4500				
	RCS	•					
	RCL.						
	RCL		-		`		
	SCL		4750				
	SCL	•					
	F-250 <b>4x2</b> RCL RCL		4500				
	F-250 4x4 RCL RCL		4750		·		
+	BRONCO 4x4		5000				
Comments: Please refi equipment,	See page one for er to manufacture: If two test well o dyno test HP for	r's HP I ghts are	ist for listed,	correct dyno t the lower wei	est HP setting	s based on m	odel and
te of Is:	C114					***************************************	

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Issue Date Revised

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manus	facturer Fo	rd Moto	or Compa	nv	Page	3	
	· · · · · · · · · · · · · · · · · · ·	<del></del>		•••	Engini Code	2	02/2
-	ne Family(Special Features)			/TWC/OC/CL	CID (Liter)-		
Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC-IV -127550- Part No.	Fuel System EFI -9H487- Part No.	EGR Valve -9F483- Part No.	Label Ident. Part No
5-54Q- R00A/N	F-150 4x2  RCS  RCL  RCL  SCS  SCS  SCL	AOD4	4000 4250 4500	E5TF-SA	E5TE-CF	E5TE-DB	СЈМ
Please ref equipment.	See page one for er to manufacturer If two test well ordered dyno test hP for sue -	's HP 1 ghts are	ist for a listed,	torrect dyno t the lower wei	est HP setting	s based on m	odel and

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Issue Date

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manuf	facturer	Ford Mo	tor Com	pany	Page		**************************************
Engir	e Family	FFM5.01	5HAG8		Engin Code	5-54S-R00A	/N
ECS (	Special Features	) AIP/E	GR/TWC/	OC/CL/EFI)	CID (Liter)- Type _	5.0L (302	) <u>V8</u>
Engi <b>ne</b> Cod <b>e</b>	Vehicle Models (If Coded see	Trans.	TEST	Ign. System	Fuel System EFI	EGR Valve	Label Ident.
	attachment)	A/T	Weight	-12A650- Part No.	-9H487- Part No.	-9F483- Part No.	Part No
-54S- R00A/N	F-150 4x4	AOD4		E5TF-UA	E5TE-CF	E5TE-DB	CJM
	RCS		4500	i ,			
	RCL		4500				
	. SCL.		4750				
	F-250 4x4		4450		4		
-							
-							
	<b>N</b>						
			·				

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

Pate of Issue -

F5.0TAG Engine Family \_

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Revised.		

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		Light-Duty Ford Moto			uty Vehicles Page		Diese '
		FFM5.0T5	HAG8		Engir. Cod <b>e</b>		ROOA/N
_	Special Featur	es) AIP/	EGR/TWC	c/oc/cl/efi)	CID (Liter)- Type _		
Engine Code	Vehicle Mode (If Coded se attachment)	e	TEST Weight	Ign. System EEC-IV -12A650- Part No.	Fuel System EFI -9H487- Part No.	EGR Valve -9F483- Part No.	iabel Ident. Part No
5-54Q- R00A/N	F-150 4x SC SC	S	4250 4500	E5TF-SA	E5TE-CF	E5TE-DB	СЈМ
	F-250 4x.		4760				
Please refe equipment.	er to manufactu If two test w dyno test HP	rer's HP 1: eights are	ist for a listed,	correct dyno t the lower wei	emission fami est HP setting ght will be us	s based on m	odel and

F5.0TAG

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Engine Family \_\_\_

Issue Date: Revised

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Section 8.13.0	01.00 1985	LIGHT-	DUTY TRUCK D	PA TA	BLE E	ng. Fam	. FF	M5.0T5 HAG-8
			ETW		No	on A/C		N/C
	Truckline		Limit		DPA	CDT	DPA	CDT
	Ranger 4x	2	3125		11.4	13.46	12.5	12.48
	Ranger 4x	.2	3250		11.7	13.87	12.9	12.88
	Ranger 4x Chassis C		3625 @28 sq. ft.		15.2	11.47	16.6	10.68
	Ranger 4x Chassis C	.2	3875 @39 sq. ft.	•	18.1	10.98	19.5	10.33
	Ranger 4x		3375		11.8	12.98	13.0	12.12
	Ranger 4x	14	3625		12.2	13.49	13.4	12.52
,	Bronco II Bronco II		3625 <b>3</b> 750		11.0 11.5	14.24 14.24	12.1 12.6	13.26 13.35
	F-150 4x				13.2		14.5	
	F-150 4x F-150 4x	:2 :2	4500 4750		14.0 15.2	14.18 15.42	15.4 16.6	
·	F-250 4x		5000	R B	16.2 18.0		17.6 19.4	13.30 12.04
	F-150 4x	<b>c</b> 4	5000	R B	16.5 18.6	14.19 12.23	17.9 20.0	13.30 11.59
-	F-250 4x	۲4	5250 5500	R B	17.7 20.0	14.03 12.53	19.1 21.4	13.18 11.90
	Bronco		5000 5250	R B	14.0 17.2	15.42 12.51	15.4 18.6	14.36 11.88
	E-150		5250	R	15.2	15.38	16.6	14.35
	"E-250		5500 6000	R B	17.3 18.0	14.16 13.71	18.7 19.4	13.31 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)

Engi	ne Family	F5.0TAG					
Issue Date:	OCT 1 8 1984	7	17.6				
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