(Page 1 of 3)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-610 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 1995 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: SFM4.6V8GFEA Displacement: 4.6 Liters (280 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)
100,000	0.31 (n/a)	4.2 (n/a)	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000	0.11	1.9	0.1
100,000	0.14	2.6	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

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

day of July, 1994.

Assistant Division Chief Mobile Source Division

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8GFEA									
Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED									
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB									
Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SF1 (Use abbreviations per SAE J1930 June88)									
Engine: From	nt <u>X</u> Mid R	earD	rive: FV	VD RW	JD <u>X</u> 4WD-FT_	4WD-PT_			
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-		
518ER00A	LINCOLN VFL5 (Hearse)	A	6000*	16.4	F5AF-FA	F1AE-AD	-5E212- F5AC-DD		
	LINCOLN VFL5 (Limo)	A	6000*	10.4	11	11			
							-5E214- F5AC-DC		
518ER00A	LINCOLN VFL4	A	5500	10.4	н	,,	u u		
518ER00A	LINCOLN VFL3	A	5250	10.6		i ii	п		
518ER00A	LINCOLN VFL2	A	4750	10.6	11		11		
518ER00A	LINCOLN VFC	A	4250	10.6	н	n	"		
CFR 86.12	EQUIVALENT TES 9.94 (A) LDV OV 5500 LB ETW.	 ST WEIGH VER 5750	l (ETW) LB. LOA	PER 86. DED VEH	129-80 AS SHO ICLE WEIGHT S	WN. PER HALL BE			

Certification Standards

<u>50K</u> 100K 0.31 NMHC: 0.25 co: 3.40 4.20

NOx: 0.40 EVAP: 2.0

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm 100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

ENGINE FAMILY: SFM4.6V8GFEA ISSUED: 7/11/94 REVISED: 8/10/94

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8GFEA									
Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED									
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB									
Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI (Use abbreviations per SAE J1930 June88)									
Engine: Fron	Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT								
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-		
518ER10A	LINCOLN VFL5	A	6000*	16.4	F5AF-FB	FlaE-AD	-5E212- F5AC-DD		
	(Hearse) LINCOLN VFL5 (Limo)	A	6000*	10.4	e n	u			
-							-5E214- F5AC-DC		
518ER10A	LINCOLN VFL4	A	5500	10.4		11	1		
518ER10A	LINCOLN VFL3	A	5250	10.6	11	11	"		
518ER10A	LINCOLN VFL2	A	4750	10.6			n }		
518ER10A	LINCOLN VFC	A	4250	10.6	0	"	11		
*ESTIMATED EQUIVALENT TEST WEIGHT (ETW) PER 86.129-80 AS SHOWN. PER CFR 86.129.94 (A) LDV OVER 5750 LB. LOADED VEHICLE WEIGHT SHALL BE TESTED AT 5500 LB ETW.									

Certification Standards

<u>50K</u> <u>100K</u> 0.31 NMHC: 0.25 4.20 CO: 3.40

NOx: 0.40 EVAP: 2.0

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm

100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

	Lt-Duty Truc		•		·		
	ntrol System & (Use abbr	eviation	s per SA	Æ J1930	June88)		
Eng.	Veh. Models	Trans.	ETW	RLHP	Ign. Sys.	EGR	Catalys
Code/ (Cert Std.)	(If Coded see Attachmt.)	Type: A-Auto M-Man.			(PCME/PROM) Part No12A650-	Syst. Part No -9D475-	1
518ER10A	LINCOLN VFL5 (Hearse)	A	6000*	16.4	F5AF-FB	F1AE-AD	-5E212- F5AC-DD
	LINCOLN VFL5 (Limo)	A	6000*	7.5	, 		F5AC-DE
							-5E214- F5AC-DC F5AC-DD
518ER10A	LINCOLN VFL4	A	5500	7.8	n	"	ır
518ER10A	LINCOLN VFL3	A	5250	8.2	27 39	n	**
518ER10A	LINCOLN VFL2	A	4750	8.1	11	u	. 11
518ER10A	LINCOLN VFC	A	4250	8.2	11	u	н
CFR 86.12	 EQUIVALENT TE 19.94 (A) LDV OV 5500 LB ETW.	 ST WEIGH VER 5750 	 I (ETW) LB. LOA 	 PER 86. DED VEH 	 129-80 AS SHO ICLE WEIGHT S 	 WN. PER HALL BE 	

Certification Standards

50K <u>100K</u> 0.31 NMHC: 0.25

3.40 4.20 CO:

NOx: 0.40 . EVAP: 2.0

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm

100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

ENGINE FAMILY: SFM4.6V8GFEA ISSUED: 9/1/94 REVISED: 2/6/95

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8CFEA								
Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED								
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB								
Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI								
	•		-		June88)	•		
Engine: Fron	nt <u>X</u> Mid R	ear D	rive: FV	DRW	D <u>X</u> 4WD-FT_	4WD-PT		
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-	
518ER11A	LINCOLN VFL5	A	6000*	16.4	F5AF-FB	FlaE-AD	-5E212- F5AC-DD	
	(Hearse) LINCOLN VFL5 (Limo)	A	6000*	7.5	u	11	F5AC-DE	
	· -						-5E214- F5AC-DC F5AC-DD	
518ER11A	LINCOLN VFL4	A	5500	7.8	ji ji	.,	u	
518ER11A	LINCOLN VFL3	, А	5250	8.2	n n	и	· ·	
518ER11A	LINCOLN VFL2	A	4750	8.1	D D	н	18	
518ER11A	LINCOLN VFC	A	4250	8.2	u	n	(0	
CFR 86.12	EQUIVALENT TE 29.94 (A) LDV O 55500 LB ETW.	ST WEIGH VER 5750	T (ETW)	PER 86.	 129-80 AS SHO ICLE WEIGHT S	DWN. PER		

Certification Standards

<u>50K</u> <u>100K</u> NMHC: 0.25 0.31

CO: 3.40 4.20

N0x: 0.40 EVAP: 2.0

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm

100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

ENGINE FAMILY: SFM4.6V8GFEA ISSUED: 1/25/95 REVISED: 2/6/95

20.09.17.02 · 4 R/C 4.6-2V-011

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8GFEA								
Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED								
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB								
Emission Con	trol System & : (Use abbr	Special eviation	Features s per SA	2TWC(2 E J1930) <u>/2H02S/EGR/S</u> June88)	FI	_	
Engine: Fron	t <u>X</u> Mid R	ear D	rive: FW	DRWI	D <u>X</u> 4WD-FT_	4WD-PT_		
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	EŢW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-	
518ER11A	LINCOLN VFL5 (Hearse)	A	6000*	16.4	F5AF-FC	Flae-AD	-5E212- F5AC-DD	
	LINCOLN VFL5 (Limo)	A	6000*	7.5	н	18	F5AC-DE	
, ,							-5E214- F5AC-DC F5AC-DD	
518ER11A	LINCOLN VFLA	A	5500	7.8	"	10		
518ER11A	LINCOLN VFL3	A	5250	8.2	1) H	n	"	
518ER11A	LINCOLN VFL2	A	4750	8.1	II	11	"	
518ER11A	LINCOLN VFC	A	4250	8.2	11		l ur	
CFR 86.12	*ESTIMATED EQUIVALENT TEST WEIGHT (ETW) PER 86.129-80 AS SHOWN. PER CFR 86.129.94 (A) LDV OVER 5750 LB. LOADED VEHICLE WEIGHT SHALL BE TESTED AT 5500 LB ETW.							

Certification Standards

100K <u> 50K</u> 0.31 NMHC: 0.25 4.20 3.40 CO:

0.40 NOx: EVAP: 2.0

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm

100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

ENCINE FAMILY: SFM4.6V8GFEA ISSUED: 1/19/95 REVISED: 1/25/95

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R/C 4.6-2V-014

	V-8 Liter	(CID) Special eviation	4.6 (28 Features s per SA	0) Eva	p. Family <u>SFM</u>	11120AYMOE									
Emission Contr	ol System & : (Use abbro	Special eviation	Features s per SA	2TWC(2			<u> </u>								
	(Use abbro	eviation	s per SA)/2HO2S/EGR/S	· FT									
	·		•	E 31330	T O O N) F L	Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI (Use abbreviations per SAE J1930 June88)								
	<u>X</u> Mid R	ear D													
Engine: Front_			rive; FW	ID RW	D <u>X</u> 4WD-FT_	4WD-PT_									
Code/ (Cert	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-		Catalyst Part No. -5E212- -5E214-								
	LINCOLN VFL5	A	6000*	16.4	F5AF-FC	FlaE-AD	-5E212- F5AC-DD								
Ĺ	(Hearse) LINCOLN VFL5 (Limo)	A	6000*	7.5	n	B9	F5AC-DE								
							-5E214- F5AC-DC F5AC-DD								
518ER12A I	LINCOLN VFL4	A	5500	7.8		u	п								
518ER12A I	LINCOLN VFL3	, A	5250	8.2	11	и	11								
518ER12A 1	LINCOLN VFL2	A	4750	8.1	н	, ,,	11								
518ER12A	LINCOLN VFC	A	4250	8.2	#	69	11								
*ESTIMATED ECCFR 86.129.5	94 (A) LDV 0	 ST WEIGH VER 5750	T (ETW) LB. LOA	PER 86. DED VEH	 129-80 AS SHO UELE WEIGHT S	DWN. PER SHALL BE									

Certif	[cat:	lon S	tand	lards

50K NMHC: 0.25 100K 0.31

Idle HC 220 ppm @ 2500 rpm

4.20 3.40 CO: 0.40 NOx:

100 ppm @ idle Idle CO 1.2% @ 2500 rpm

Idle HC/CO Standards

EVAP: 2.0

1.0% @ idle

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8GFEA									
Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED									
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB									
Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI									
7 T.	(Use abbreviations per SAE J1930 June88) Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT								
Engine: From	IC_X_ MIG K	ear D	TIVE. IW		<u></u> +n.,				
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP,	Ign. Sys. (PCME/PROM) Part No. -12A650-		Catalyst Part No. -5E212- -5E214-		
518ER13A	LINCOLN VFL5 (Hearse)	A	6000*	16.4	F5AF-FC	FlaE-AD	-5E212- F5AC-DD		
	LINCOLN VFL5	A	6000*	6.8	n	lt tt	F5AC-DE		
	(Limo)				:				
							-5E214- F5AC-DC F5AC-DD		
518ER13A	LINCOLN VFL4	A	5500	7.1	er er	n n	11		
518ER13A	LINCOLN VFL3	A	5250	7.5	н		u		
518ER13A	LINCOLN VFL2	A	4750	7.4	ti	n	11		
518ER13A	LINCOLN VFC	A	4250	7.5	H	es	u		
*ESTIMATED EQUIVALENT TEST WEIGHT (ETW) PER 86.129-80 AS SHOWN. PER CFR 86.129.94 (A) LDV OVER 5750 LB. LOADED VEHICLE WEIGHT SHALL BE TESTED AT 5500 LB ETW.									

Carti	fication	Standards

<u>100K</u> <u>50K</u> 0.31 NMHC: 0.25 3.40 4.20 CO: 0.40 NOx:

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm 100 ppm @ idle Idle CO 1.2% @ 2500 rpm 1.0% @ idle

ENGINE FAMILY: SFM4.6V8GFEA 1SSUED: 1/19/95 REVISED:

EVAP: 2.0

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8GFEA									
Pass Cars <u>X</u>	Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADED								
Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMOB									
Emission Con	Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI								
	(Use abb	reviatio	ns per SA	AE J1930	June88)				
Engine: From	nt <u>X</u> Mid I	Rear I	Orive: F7	VDR	VD <u>X</u> 4WD-FT_	4WD-PT_			
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-		
518ER13A	LINCOLN VFL5 (Hearse) LINCOLN VFL5 (Limo)	A A	6000* 6000*	16.4	F5AF-FC	Flae-AD	-5E212- F5AC-DD F5AC-DE		
							-5E214- F5AC-DC F5AC-DD		
518ER13A	LINCOLN VFL4	A	5500	7.8	п	IF.	н		
518ER13A	LINCOLN VFL3	, A	5250	8.2	ti H	11	11		
518ER13A	LINCOLN VFL2	A.	4750	8.1	11	II.	11		
518ER13A	LINCOLN VFC	A	4250	8.2	п	u u	**		
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*ESTIMATED EQUIVALENT TEST WEIGHT (ETW) PER 86.129-80 AS SHOWN. PER CFR 86.129.94 (A) LDV OVER 5750 LB. LOADED VEHICLE WEIGHT SHALL BE TESTED AT 5500 LB ETW.

Certification Standards

NMHC: 0.25 0.31 CO: 3.40 4.20 NOx: 0.40

EVAP: 2.0 .

Idle HC/CO Standards

Idle HC 220 ppm @ 2500 rpm

100 ppm @ idle

Idle CO 1.2% @ 2500 rpm

1.0% @ idle

ENGINE FAMILY: SFM4.6V8GFEA ISSUED: 1/19/95 REVISED: 1/25/95, 2/6/95