(Page 1 of 3)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-624-A 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 Ford Motor Company 1995 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: SFM4.028G1EK <u>Displacement</u>: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors
Heated Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection
On-Board Diagnostic II

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

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

Loaded Vehicle	<u>Miles</u>	Non-Methane	Carbon	Nitrogen
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
3751-5750	50,000	0.32	4.4	0.7
	100,000	0.40	5.5	n/a

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

Loaded Vehicle	Miles	Non-Methane	Carbon	Nitrogen
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
3751-5750	50,000	0.07	0.6	0.3
	100,000	0.07	0.8	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 NMOG fleet average 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 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 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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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.).

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 5

day of December, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

Manufacturer:	Ford Motor Com	npany	Exha	iust En	gine Family:	SFM4.028G1	EK
Evap Standard	: 50K <u>X</u> (Jseful Life wit	h R/L_		Evap Family	: SFM1045A	YP0A
Exhaust Std:	Tier 0 Tier 1 _	X TLEV _ LE	=v _	ILEV _	_ ZEV ; E	PA Tier 0	_Tier 1
Vehicle Class(es): PC LD1	ri LDT2	X MD	V1 _ !	MDV2 _ MD\	/3 MDV4 _	_ MDV5
Single Cert Sto	d for Multi-Class	Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify N	I/A, LDT1, MC)V1, MDV2, M	IDV3, MDV4)
Exh Cert Fuel(s): Indo Ph2 M85 CNG	<u>X</u> Diesel: LPG _ C	13 Co Other (s	CR 228 specify)	32 or 40 Cl	FR 86.113-90	_ or -94
Fuel Type(s):	Dedicated F	flex-Fuel [LPG	Oual-Fu Other	el (spec	Gasoline <u>X</u> ify)	Diesel Mi	85 <u> </u>
Hybrid: Type	A B C _	, APU Cyc	cle (e.g	., Otto	Diesel, Turb	ine)	
	: <u>V6</u>						
Engine: Front_	X Mid Rea	ar Driv	e: FW	D _ F	RWD X 4W	O-FT 4WD)-PT <u> </u>
Exhaust ECS (Use abbrevi	& Special Featur lations per SAE	es: <u>SFI/HO₂:</u> J1930, Sep 9	S/EGR/ 1)	TWC (z)/#0 \ \$/	ORDZ	
Engine Code	Vehicle Models	Trans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System	Catalyst
(California)		M-Manual			Part No.	Part No.	Part No.
558U R06A/N	Ranger 4x2	A4			F57F-BLC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3875 3875*				
	Mazda B4000 4x	2	•				
	SC SWB		3875 3875*	11.2 12.3			

^{*} with air conditioning

Manufacturer: Ford Motor Company	Exhaust I	Engine Family:	SFM4.028G	1EK
Evap Standard: 50K X Useful Life	with R/L	Evap Fami	y: SFM1045/	AYP0A
Exhaust Std: Tier 0 Tier 1 X TLEV _	_ LEV ULEV	_ ZEV _ ; {	EPA Tier 0	Tier 1
Vehicle Class(es): PC LDT1 X LD	T2 MDV1 _	MDV2 MD	V3 MDV4	MDV5
Single Cert Std for Multi-Class Eng Fam	: <u>N/A</u> (specify	N/A, LDT1, M	DV1, MDV2, I	MDV3, MDV4)
Exh Cert Fuel(s): Indo Ph2 X Did M85 CNG LPG	esel: 13 CCR 2 Other (speci	282 or 40 (iy)	OFR 86.113-90	or -94
Fuel Type(s): Dedicated Flex-Fuel CNG LNG LPG	Dual-Fuel Other (spe	Gasoline X	Diesel W	185 <u> </u>
Hybrid: Type A B C, APU	Cycle (e.g., Ot	to, Diesel, Tur	bine)	
Engine Config: V6 Liter (0	CID): 4.0 (244)	-		
Engine: Front_X_MidRear				D-PT <u>X</u>
Exhaust ECS & Special Features: SFI/h (Use abbreviations per SAE J1930, Se	10 ₂ S/EGR/TWC pp 91)	(2)/24025	10302	
Engine Code Vehicle Models Trans. Ty A-Autom (California) M-Manua	ype ETW DPA	lgnition	EGR System	Catalyst
(California) M-Manua	al	Part No.	Part No.	Part No.
558T R06A/N Ranger 4x4 , A4		F57F-BKC	E3DE-AA/	E574-BC/
			F37E-CA	F57A-BD
RC SWB	3875 12.0		F37E-CA	F57A-BD
	3875 12.0 3875* 13.2 4000# 12.0		F37E-CA	F57A-BD
RC LWB	3875* 13.2 4000# 12.0 4000*# 13.2	·	F37E-CA	F57A-BD
	3875* 13.2 4000# 12.0		F37E-CA	F57A-BD
RC LWB	3875* 13.2 4000# 12.0 4000*# 13.2 4250# 12.0		F37E-CA	F57A-BD
RC LWB SC SWB Mazda B4000 4x4	3875* 13.2 4000# 12.0 4000*# 13.2 4250# 12.0 4250* 13.2		F37E-CA	F57A-BD
RC LWB	3875* 13.2 4000# 12.0 4000*# 13.2 4250# 12.0		F37E-CA	F57A-BD
RC LWB SC SWB Mazda B4000 4x4	3875* 13.2 4000# 12.0 4000*# 13.2 4250# 12.0 4250* 13.2 3875 12.0 3875* 13.2 4000# 12.0		F37E-CA	F57A-BD
RC LWB SC SWB Mazda B4000 4x4 RC SWB	3875* 13.2 4000# 12.0 4000*# 13.2 4250# 12.0 4250* 13.2 3875 12.0 3875* 13.2		F37E-CA	F57A-BD

ENGINE FAMILY: SFM4.028G1EK ISSUED: 11-22-94 REVISED: 3-31-95

^{*} with air conditioning # per Running Change 4.0-124

Manufacturer:	Ford Motor Cor	npany	Exha	ust Er	igine Family:	SFM4.028G	IEK
Vehicle Class(i: 50K <u>X</u> Tier 0 Tier 1 _ es): PC LD d for Multi-Class	T1 LDT2	X. MDV	יז ו'	MDV2 MDV	/3 MDV4 .	MDV5
	s): Indo Ph2 M85 CN0	3 IPG (Other (sr	ecify)			
Fuel Type(s):	Dedicated I	Flex-Fuel I	Dual-Fue	el (Gasoline X	Diesel M	85 <u> </u>
Hybrid: Type	A B C .	, APU Cy	cle (e.g.	, Otto,	Diesel, Turb	ine)	
Engine Config Engine: Front	: <u>V6</u> <u>X</u> Mid Re	Liter (CID) arDriv	: <u>4.0 (2</u> /e: FWD	<u>44)</u>) F	RWD <u>X</u> 4W[D-FT 4W[D-PT <u>X</u>
Exhaust ECS (Use abbrevi	& Special Featur lations per SAE	res: <u>SFI/HO₂:</u> J1930, Sep 9	<u>S/EGR/</u>] 1)	WC(2) / 24025	10802	
Engine Code	Vehicle Models	Trans. Type A-Automatic	ETW		(PCM)	System	
(California)		M-Manual			Part No.	Part No.	Part No.
557T R06A/N	Ranger 4x2	M5			F57F-BEC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3750 3875*				
	Ranger 4x4						
	RC SWB		3875				
	RC LWB		3875* 3875	12.0			
	SC SWB		4000*# 4250#				
	00 0110		4250*				
	Mazda B4000 4x	2					
	SC SWB		3875 3875*	11.2 12.3			
	Mazda B4000 4>	(4					
	RC SWB		3875 3875*	12.0 13.2			
	RC LWB		3875 4000*#	12.0			

ENGINE FAMILY: SFM4.028G1EK ISSUED: 11-22-94 REVISED: 3-31-95

^{*} with air conditioning # per Running Change 4.0-124

Manufacturer:	Ford Motor Com	pany	Exha	ust En	gine Family:	SFM4.028G1	EK	
Evap Standard	: 50K <u>X</u> \	Jseful Life with	1 R/L _		Evap Family	: SFM1045A	YP0A	
Exhaust Std: 1	Tier 0 Tier 1 _	X_TLEV LE	:v _ u	LEV _	ZEV; E	PA Tier 0	Tier 1	
Vehicle Class(e	es): PC LDT	1 X LDT2_	_ MD\	/1 _ N	1DV2 _ MDV	/3 MDV4 _	_ MDV5	
	for Multi-Class							
Exh Cert Fuel(s): Indo Ph2 M85 CNG	X Diesel:	13 CC ther (s	CR 228 pecify)	2 or 40 CI	FR 86.113-90	_ or -94 _	
Fuel Type(s):	Dedicated F	lex-Fuel C LPG	ual-Fu Other	el ((speci	Gasoline <u>X</u> fy)	Diesel M8	35 <u> </u>	
Hybrid: Type	A B C _	, APU Cyd	ele (e.g	., Otto	Diesel, Turb	ine)		
	: <u>V6</u>							
	X Mid. Rea						-PT	
Exhaust ECS (Use abbrev	& Special Featuriations per SAE	res: <u>SFI/HO₂9</u> J1930, Sep 91	S/EGR/ I)	TWC(2)/2H025/0.	BOZ		
Engine Code	Vehicle Models	Trans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System	Catalyst	
(California)		M-Manual			Part No.	•	Part No.	
558T R15A/N	Ranger 4x2	A4	···	···	F57F-CUA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD	
	SC SWB		3875 3875*				-	
	Mazda 84000 4x	2						
	SC SWB	<u> </u>	3875 3875*	11.2 12.3				

ENGINE FAMILY: SFM4.028G1EK ISSUED: 6/7/95 REVISED:

^{*} with air conditioning

Manufacturer:	Ford Motor Cor	mpany	Exha	aust En	gine Family:	SFM4.028G	1EK
Evap Standard	i: 50K <u>X</u>	Useful Life wit	th R/L _		Evap Family	y: SFM1045/	AYP0A
	Tier 0 Tier 1						
Vehicle Class(es): PC LD	T1 X LDT2	_ MD	V1 M	IDV2 MD	/3 MDV4 .	MDV5
Single Cert Sto	d for Multi-Class	Eng Fam: 1	<u> </u>	ecify N	/A, LDT1, MI	OV1, MDV2, I	MDV3, MDV4)
Exh Cert Fuel(s): Indo Ph: M85 CNO	2 X Diesel 3 _ LPG _ 0	: 13 C Other (s	CR 228 specify)	2 _ or 40 C	FR 86.113-90	or -94
Fuel Type(s):	Dedicated CNG LNG	Flex-Fuel LPG	Dual-Fu Other	iel C r (speci	Sasoline X fy)	Diesel M	85 <u> </u>
Hybrid: Type	A B C	, APU Cy	cle (e.ç	g., Otto,	Diesel, Turb	ine)	
Engine Config	: <u>V6</u>	Liter (CID)	: <u>4.0 (</u>	244)			
	<u>X</u> Mid Re						D-PT <u>X</u>
Exhaust ECS (Use abbrev	& Special Featu iations per SAE	res: <u>SFI/HO₂</u> J1930, Sep 9	S/EGR/ 1)	<u>//wc²</u> //	2HCLS /08	<i>9</i>	
	Vehicle Models	Trans. Type A-Automatic M-Manual		DPA	(PCM)	EGR System Part No.	
(California)		M-Martual					
558T R15A/N	Ranger 4x4	A4			F57F-CUA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3875 3875*	12.0 13.2@			
	RC LWB		4000	12.0			
	SC SWB	•	4000* 4250 4250*	12.0			
•	- Mazda B4000 4)	c4	_			- -	-
	RC SWB	- .	3875	12.0			-
-	RC LWB	-	3875* 4000 4000*	13.2@ 12.0 13.2@			
-	SC SWB		4250 4250*	13.2@ 12.0 13.2@	_		

ENGINE FAMILY: SFM4.028G1EK ISSUED: 6/7/95 REVISED:

^{*} with air conditioning @ DPA is 13.3 with the P215/75R15

Manufacturer:	Ford Motor Com	pany	Exha	ust En	gine Family:	SFM4.028G1	EK
	: 50K <u>X</u> L						
	Tier 0 Tier 1 _)						
	es): PC LDT						
	d for Multi-Class	·					
Exh Cert Fuel(s): Indo Ph2 M85 CNG	X Diesel:	13 CC ther (s	R 228 pecify)	2 _ or 40 CF	R 86.113-90	or -94
Fuel Type(s):	Dedicated F	lex-Fuel [Oual-Fu Other	el ((speci	Gasoline <u>X</u> ify)	Diesel M8	35 <u> </u>
Hybrid: Type	A B C _	, APU Cyc	cie (e.g.	., Otto,	Diesel, Turbi	ne)	
•	: <u>V6</u>						
	X Mid Rea						-PT
Exhaust ECS (Use abbrev	& Special Featur iations per SAE	es: <u>SFI/HO₂9</u> J1930, Sep 9	<u> </u>	<u>TWC(</u> 2,)/2H025/08	D2	
Engine Code	Vehicle Models	Trans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System	Catalyst
(California)	•	M-Manual			Part No.	Part No.	Part No.
557T R15A/N	Ranger 4x2	M5			F57F-DAA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-8D
·	SC SWB		3750 3875*				
	Mazda B4000 4x	2					
	SC SWB	-	3875 3875*		-		-

REVISED:

Manufacturer:	Ford Motor C	ompany	Exh	aust En	gine Family:	SFM4.028G	1EK
Evap Standard	d: 50K <u>X</u>	Useful Life wit	th R/L		Evap Fami	y: SFM1045/	AYP0A
Exhaust Std:	Tier 0 Tier	1 <u>X</u> TLEV _ L	EV !	ULEV _	_ ZEV ; i	EPA Tier 0	_ Tier 1
Vehicle Class(es): PC L	DT1 X LDT2	_ MD)V1 N	ADV2 _ MD	V3 MDV4	MDV5
Single Cert St	d for Multi-Cla	ss Eng Fam: 1	<u>V/A</u> (s _l	pecify N	I/A, LDT1, M	DV1, MDV2, I	MDV3, MDV4)
Exh Cert Fuel	(s): Indo P M85 C	h2 X Diesel	: 13 C Other (CR 228 specify)	2 or 40 C	FR 86.113-90	or -94
Fuel Type(s):	Dedicated CNG LNG	Flex-Fuel LPG	Dual-Fi Othe	uel (r`(speci	Gasoline <u>X</u> fy)	Diesel M	185 <u> </u>
Hybrid: Type	A B (C, APU Cy	cle (e.ç	g., Otto,	Diesel, Turt	oine)	
Engine Config	j: <u>V6</u>	Liter (CID)	: 4.0 (244)			
		Rear Driv					D-PT <u>X</u>
Exhaust ECS (Use abbrev	& Special Fea iations per SA	tures: <u>SFI/HO₂</u> E J1930, Sep 9	<u>S/EGR</u> 1)	<u>/TWC (</u> 2	.)/2H025/e	1392	
Engine Code (California)	Vehicle Mode	els Trans. Type A-Automatic M-Manual	ETW		Ignition (PCM) Part No.	System	
557T R15A/N	Ranger 4x4	М5			F57F-DAA	F3DE-AA/ F37E-CA	
	RC SWB		3875 3875*	12.0 13.2@			
	RC LWB		3875 4000*	12.0			
	SC SWB		4250	12.0 13.2@			
	Mazda B4000						
	RC SWB	· · · · · · · · · · · · · · · · · · ·	3875 3875*	12.0 13.2@	ı		
	RC LWB		3875 4000*	12.0 13.2@		-	
	SC SWB	•	4250 4250*	12.0 13.2@	, -		

ENGINE FAMILY: SFM4.028G1EK

ISSUED: 6/7/95 REVISED:

^{*} with air conditioning

@ DPA is 13.3 with the P215/75R15 tires.