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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-622 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: SFM2.5VJGFEA Displacement: 2.5 Liters (155 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters Three Way Catalytic Converter 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>	<u>Oxides</u>
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:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000	0.13	1.0	0.3
100,000	0.16	1.2	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, 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 13th day of October, 1994.

Summerfield

Ass{stant División Chief Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of___ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Evap Std: SExh Std: Tie Veh Class(es Single Cert Exh Cert Fuel Type(s) Hybrid: Type Engine Configure Confi	r FORD MOTOR 50K X Useful er-0 Tier-1 s): PC X LDT Std for Multi- el(s): Indo X M85): Dedicated CNG LNG e A B C iguration: V-6 nt X Mid. R	Life wit X TLEV Class Er Ph2 CNG Flex- LPG Displa	th R/LLEV	Evap ULEV UDV1 13 CCR Other Dual- (specified) (specif	Engine Family ZEV; E MDV2 MD specify: N/A, 2282 or 4 (specify) Fuel Ga fy) to, Diesel, T / Liter WD 4WD-FT	y: SFM104 PA Tier-0 V3 MDV LDT1, MDV 0 CFR 86.1 soline_X urbine)	Tier-1_ 74 MDV5 71, ETC.) 13-90 or Diesel Cubic	-94 M85 Inches
Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.		Catalyst	
Code/	(If Coded	Type:	Test	or	(ECM/PCM)		Part No.	
50ST	see		Weight		Part No.			
	Attachmt.)	M-Man.	İ	.	-12A650-	-9D475-	- 2F515-	
2.5L 512TRO5 N A N A	CONTOUR 3FA "MYSTIQUE 4FA	A " "	3375	4.7° 5.2 4.7 5.2	94BB-EC " "	F53EAA	94BBGB	
511BR05 N	CONTOUR 3FA	M "	3250 * 3375	5.2 5.7	94BB-FB	F53EAA	94BBJA	
A N	MYSTIQUE 4FA	11	H C/CC	5.2	11	u	"	
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@ Star	ndard tire DPA.							
* Test	t at next highe	r ETW						
Certificati	ion Standards 50K/100K							
NMHC:	0.25/0.31							
CO:	3.4/4.2				1			
NOx:	0.4/						1	
EVAP:	2:0							
COLD CO:	10.0 (Fed.only)	1						

ENGINE FAMILY: SFM2.5VJGFEA ISSUED: 10-5-94 REVISED:

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of___ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer Evap Std: 5 Exh Std: Tie	FORD MOTOR OK X Useful er-0 Tier-1 s): PC X LDT Std for Multi-	COMPANY Life wit X TLEV	h R/L LEV	Eng. Evap ULEV	Family SFM2. Engine Famil ZEV; E	5VJGFEA y: <u>SFM104</u> PA Tier-0_	<u>5AYPOA</u> Tier-l	X
Veh Class(es	s): PC X LDT	:1 LD	T2 M	IDV1	MDV2MD	V3 MDV	74 MDV	5
Single Cert	Std for Multi-	Class En	g Fam:	(s	specify: N/A,	LDT1, MDV	(1, ETC.)	
Exh Cert Fue	el(s): Indo_X_ M85	Ph2	Diesel:	13 CCR	2282 or 4	O CFR 86.1	.13-90 o	r -94
	M85	CNG	LPG	Other ((specify)			
Fuel Type(s)	M85): Dedicated CNGLNG_ ABC_	Flex-	Fuel	Dual-H	Fuel Ga	soline <u>X</u>	Diesel	М85
The bank of a Tree of	· V B C	APII C	vole (e	o Ort	o Diesel T	urbine)		
Hybria: Type	iguration: <u>V-6</u>	_, Aro c	cement.	2 5	/ Liter	·····/	Cubic	Inches
Engine Conti	nt_X_MidF	Dispid	rive: FL	א א מו	JD AWD-FT	4WD-PT		
Engine: Fior	(eg., EGR, MFI	TC CA	C) FGR	TWC	SEL 2 HO2S 2	77WC		
Exhaust Ecs	(eg., Lok, Mr	., 10, 02		(Use	abbreviation	s per SAE	J1930 Se	p 91)
						,		• •
Engine	Veh. Models	Trans	Equiv.	RLHP	Ign. Sys.	EGR	Catalyst	
_	(If Coded	Type:	Test	or	(ECM/PCM)	Syst.		
Code/ 50ST	see		Weight		Part No.			
2021	Attachmt.)	M-Maco	11016110	a .	-12A650-	-9D475-		
	Accacime.)	II-Hall.		-				
2.5L								
512TRO5 N	CONTOUR 1FA	A	3375	4.7	94BB-EC	F53EAA	94BBGB	
	CONTOCK IFA	H	3373	5.2) 125 BC	0	11	
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N	MYSTIQUE 2FA	u	11	5.2	11	п	11	,
A] 3.2		1	•	
ELIDDAE N	CONTOUR 1FA	M	3250	5.2	94BB-FB	F53EAA	94BBJA	
511BR05 N	CONTOUR IFA	M	3250*	5.7	"	н	"	
A	MYSTIQUE 2FA	н	3250*	5.2		u u		
N	MISTIQUE ZFA		3375	5.7	li li	0	"	
A			3373	3.7				
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512BR05 N	CONTOUR IFA	, n	"	5.2) TED 00	11	"	
A	MYSTIQUE 2FA	11	10	4.7		11	n	
N	MISTIQUE ZFA	10	n	5.2	11	It	li ii	
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511TR05 N	CONTOUR 1FA	M "	3250*			1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	
A	LOTOMTOUR ORA	"	3250*	5.2	,,	l u	**	
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Gertificat:	50K/100K							
NIMITO -	0.25/0.31					-		
NMHC:	<u>-</u>							
CO:	3.4/4.2		1		· ·			
NOx:	0.4/		1	1				
EVAP:	2.0							
COLD CO:	10.0							

ENGINE FAMILY: SFM2.5VJGFEA ISSUED: 10-5-94 REVISED: 2-14-95

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R/C 2.5-2 R/C 2.5-5

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of___ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Eng. Family SFM2.5VJGFEA Evap Std: 50K X Useful Life with R/L Evap Engine Family: SFM1045AYPOA Exh Std: Tier-0 Tier-1 X TLEV LEV ULEV ZEV ; EPA Tier-0 Tier-1 Veh Class(es): PC X LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5 Single Cert Std for Multi-Class Eng Fam: (specify: N/A, LDT1, MDV1, ETC.) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90	
Exh Std: Tier-0	
Veh Class(es): PC_X LDT1_ LDT2_ MDV1_ MDV2_ MDV3_ MDV4_ MDV5_ Single Cert Std for Multi-Class Eng Fam:	X
Single Cert Std for Multi-Class Eng Fam:	
Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or M85 CNG LPG Other (specify) Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel CNG LNG LPG Other (specify) Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: V-6 Displacement: 2.5 / Liter Cubic Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI, 2HO2S 7 T WC (Use abbreviations per SAE J1930 Sep Code/ (If Coded Type: Test or (ECM/PCM) Syst. Part No. See A-Auto Weight DPA Part No. Part No Attachmt.) M-Man. Weight DPA Part No. Part No Attachmt.) M-Man. Q -12A6509D4755E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline Diesel CNG LNG LPG Other (specify) Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: V-6 Displacement: 2.5 / Liter / Cubic Engine: Front Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC. SFI.2HO2S 77 WC (Use abbreviations per SAE J1930 September Septe	- 94
Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline Diesel CNG LNG LPG Other (specify) Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: V-6 Displacement: 2.5 / Liter Cubic Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI.2HO2S 77 WC (Use abbreviations per SAE J1930 Sep Engine Veh. Models Trans. Equiv. RLHP Ign. Sys. EGR Catalyst Code/ (If Coded Type: Test or (ECM/PCM) Syst. Part No. Sost See A-Auto Weight DPA Part No. Part No. Attachmt.) M-Man. @ -12A6509D4755E212- 2.5L S12TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
Hybrid: Type A B C, APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: V-6	M85_
Engine Configuration: V-6 Displacement: 2,5 / Liter / Cubic Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI, 2HO2S 7T WC (Use abbreviations per SAE J1930 September 1) September 1) September 1) September 2) September 2) September 2) September 2) September 3) September 2) September 3) September 3	
Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR. TWC, SFI, 2HO2S 7T WC (Use abbreviations per SAE J1930 Ser Engine Veh. Models Trans. Equiv. RLHP Ign. Sys. EGR Catalyst Code/ (If Coded Type: Test or (ECM/PCM) Syst. Part No. 50ST see A-Auto Weight DPA Part No. Part No. Attachmt.) M-Man. @ -12A6509D4755E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	Inch
Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR. TWC. SFI.2HO2S 77 WC (Use abbreviations per SAE J1930 Sep Engine Code/ (If Coded Type: Test or (ECM/PCM) Syst. Part No. See A-Auto Weight DPA Part No. Part No. Attachmt.) M-Man. @ -12A6509D4755E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
Engine Veh. Models Trans. Equiv. RLHP Ign. Sys. EGR Catalyst Code/ (If Coded Type: Test or (ECM/PCM) Syst. Part No. 50ST see A-Auto Weight DPA Part No. Part No12A6509D4755E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
Code/ 50ST (If Coded see A-Auto Attachmt.) Type: A-Auto M-Man. Test Weight Q or DPA Part No. -12A650- (ECM/PCM) Part No. -12A650- Syst. Part No. -9D475- Part No. -5E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BB-GB	91)
Code/ 50ST (If Coded see A-Auto Attachmt.) Test Weight M-Man. or DPA Q (ECM/PCM) Part No. -12A650- Syst. Part No. -9D475- Part No. -5E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BB-GB	
Sost see Attachmt.) A-Auto M-Man. Weight Quantity DPA Quantity Part No12A6509D4755E212- 2.5L S12TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BB-GB	
Attachmt.) M-Man. @ -12A6509D4755E212- 2.5L 512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
512TR11 N CONTOUR 1FA A 3375 4.7 94BB-EE F53EAA 94BBGB	
A	
N MYSTIQUE 2FA " " 4.7 " " "	
A " 5.2 " " " "	
511BR11 N CONTOUR 1FA M 3250 5.2 94BB-FD F53EAA 94BBJA	
A " 3250* 5.7 " " "	
N MYSTIQUE 2FA " 3250* 5.2 " " "	
A 3375 5.7 " " "	
* Test at next higher ETW	
@ Standard tire DPA shown.	
Certification Standards	
50K/100K	
NMHC: 0.25/0.31	
CO: 3.4/4.2	
NOx: 0.4/0.6	
EVAP: 2.0	
COLD CO: 10.0	

ENGINE FAMILY: SFM2.5VJGFEA ISSUED: 4-5-95 REVISED: 4-13-95