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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-637 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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fu<u>el Type</u>: Gasoline

Engine Family: TFM2.0VJG1EK <u>Displacement</u>: 2.0 Liters (121 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter Heated Oxygen Sensors (two) 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 for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	Monoxide (20°F)	
50,000	0.25	3.4	0.4	10.0	
100,000	0.31	4.2	0.6	n/a	

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

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>	
50,000	0.07	0.8	0.2	5.3	
100,000	0.08	1.1	0.3	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". FORD MOTOR COMPANY

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 listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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.). FORD MOTOR COMPANY

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 August 1995.

(s

R.)B. Summerfield U Assistant Division Chief Mobile Source Division

E.O. # A-10-637

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page <u>1</u> of <u>2</u> PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer	FORD MOTOR	COMPANY		Eng.	Family TFM2.0	VJG1EK		
	0 11 12 TT	Tifai+	h D/T.	Evan	Engine Family	: TFM104	5AYPAB	
Evh Std: Tie	r=0 Tier=1 s): PC_X LDT	X TLEV	LEV	ULEV	ZEV; EP	A Tier-0_	Tier-1	
Vah Class(es	DE X LDT	1 LD	T2 M	īDV1	MDV2 MDV	'3 MDV	4MDV	/5
Evh Cert Fue								or -94
EVIL CELC LOC	M85	CNG	LPG	Other (specify)	<u> </u>		
Fuel Type(s)	. Dedicated	Flex-	Fuel	Dual-E	(specify) TuelGas	oline <u>X</u>	Diesel	M85
ruer type(b)	CNGLNG_ EABC_ iguration: I-4 ht_X_MidF (eg., EGR, MFI	LPG	Other	(specif	y)			<u></u>
Hubrid Type	A B C	, APU C	ycle (e.	.g., Ott	o, Diesel, Tu	rbine)		
Engine Confi	invration: I-4	 	cement:	2.0 _/	/Liter_	/		: Inches
Engine: From	nt X Mid. F	ear D	rive: Fw	ID X RV	VD4WD-FT	4WD-PT		
Exhaust ECS	(eg. EGR, MFI	, TC, CA	C): EGF	R, TWC,	SFI, HO2S (2)			
DAIIDUD C 200	((Use	abbreviations	per SAE	J1930 Se	ep 91)
			<u> </u>			ECD	Catalyst	
Engine	Veh. Models	Trans.			Ign. Sys.	EGR	Part No.	
Code/	(If Coded	Туре:	Test	or	(ECM/PCM)	Syst.		
CALIF	see		Weight		Part No.	Part No -9M444-		
	Attachmt.)	M-Man.		0	-12A650-	-9M444-	-56211-	
2.0L			2125	5.7	96BB-DB	948FBA	94BBFH	
604PR05 N	CONTOUR 1FA	A "	3125 3125	6.3		н –		
A	"		3125	5.7	11	н	17	
N	MYSTIQUE 2FA		3250	6.3	**			
A			3250	0.3				
		м	3125	5.8	96BB-BB	948FBA	94BBFH	
603PR05 N	CONTOUR 1FA	M "	3125	6.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
A	1		3125	5.8				
N	MYSTIQUE 2FA		3250	6.4	н	н	11	
A			3230	0.1				
			3125	5.3	96BB-DC	948FBA	9488FH	
604PR06 N	CONTOUR 1FA	A	5125	3.5	96BB-DD(alt)	•		
_			3125	5.8	1 5000 00 (date)	i 11	17	
A			3250	5.3	i n	м	17	
N	MYSTIQUE 2FA	11	3250	5.8	,,			
A			3250	3.0	1	i		
		1	3125	5.4	96BB-BC	948FBA	94BBFH	
603PR06 N	CONTOUR 1FA	M	5125	J.1	96BB-BD(alt)	1		
			3125	5.9	190000 000 (are)		11	
A	1		3125	5.4		н	н	
N	MYSTIQUE 2FA	,	3250	5.9	11	11		
A			3250	3.5				
		l						
					}			
A a t	 ndard tire (P18	1 5/700141	l shown				1	
e Stan	Idard tire (rio	1	1			İ	1	
	 on Standards		1					
Certificati	on Standards				i i	i	1	
	<u>50K/100K</u> 0.25/0.31	1	1		İ	1	Í	
NMHC:	3.4/4.2			1		1	1	
CO:					1			
NOx:	0.4/0.6	1					<u>i</u>	-
EVAP:	2.0							
COLD CO:	10.0							

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 6-28-95 REVISED: 10-27-95

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E.O. # <u>A - 10-6</u>37

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 2 of 2 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

-								
Veh Class(es Single Cert Exh Cert Fue Fuel Type(s)	FORD MOTOR OK 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: I-4 nt X Mid. F (eg., EGR, MFI	Class En Ph2 CNG Flex- LPG	g Fam: Diesel: LPG Fuel Other	JULIE (s 13 CCR Other (Dual-F (specif g., Ott 2.0 / DX RV TWC.	specify: N/A, 2282 or 40 specify) fuel Gas y)	LDT1, MDV) CFR 86.1 soline X irbine) 4WD-PT	/1, ETC.) .13-90o Diesel Cubic	5 r -94 M85 Inches
Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.	EGR	Catalyst	
Code/	(If Coded	Type:	Test	or	(ECM/PCM)	Syst.	Part No.	
CALIF	see	A-Auto	Weight	DPA	Part No.	Part No		
	Attachmt.)	M-Man.		G	-12A650-	-9M444-	-5E211-	
2.0L								
604PR10 N	CONTOUR 1FA	A	3125	5.3	96BB-DB		94BBFH	
A	11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3125	5.8	11	" 1		
N	MYSTIQUE 2FA	11	3250	5.3	17			
A	11	n	3250	5.8	15			
		м	3125	5.4	96BB-BB	948FBA	94BBFH	
603PR10 N	CONTOUR 1FA	M "	3125	5.9	"		u	
A			3125	5.4	"	1 11		
N A	MYSTIQUE 2FA		3250	5.9	11	u	••	
<pre>@ Stan Certificati NMHC: CO: NOX: EVAP:</pre>	dard tire (P18) on Standards <u>50K/100K</u> 0.25/0.31 3.4/4.2 0.4/0.6 2.0	5/70R14)	shown					
COLD CO:	10.0							

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 10-27-95 REVISED: E.O.#_____

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1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of ____ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

	TODD NOTOD	COMPANY		Eng	Esmily TEM2 (WTG1 FK	
Manufacture	r <u>FORD MOTOR</u> 50K <u>X</u> Useful	<u>COMPANI</u> Lifa wit	<u>–</u> h Р/L	Evan	Engine Family	7: TFM104	LSAYPAB
Evap Sta: :	SUR <u>A</u> USEIUI	V TIEV	T.EV		ZEV · EI	PA Tier-0	Tier-1
Exh Sta: 110	er-0Tier-1_ s): PC_XLDT					73 MDV	74 MDV5
ven Class(es	Std for Multi-	Class En			$recify \cdot N/A$		/1. ETC.)
Single Cert	Sta IOI Muiti-	Dho	Diecel.		2282 or 4	CFR 86.1	113-90 or -94
Exh Cert Fue	MPE	CNG	LPG	Other 4	(specify)		
Fuel Time (c)	Com	Flex-	Fuel	Dual-H	Fuel Gas	soline X	Diesel M85
		T.PG	Orner	ISDECII	IVI		
Hybrid · Type			'vcle le.	a., ott	IO, DIESEL, IL	urbine)	
Engine Conf:	iguration: I-4	 Displa	.cement:_	2.0 /	Liter_	/	Cubic Inches
Engine: From	nt X_MidF	lear I	rive: FV	ID_X_ RV	VD 4WD-FT	4WD-PT_	Cubic Inches
Exhaust ECS	(eg., EGR, MF1	, TC, CA	AC): <u>EGF</u>	<u>. TWC.</u>	SFL HO2S(Z/		<u> </u>
				(Use	abbreviations	s per SAE	J1930 Sep 91)
Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.		Catalyst
Code/	(If Coded	Type:	Test	or	(ECM/PCM)		
CALIF	see	A-Auto	Weight	DPA	Part No.	Part No	
-	Attachmt.)	M-Man.		ø	-12A650-	-9M444-	-5E211-
	· · · · · · · · · · · · · · · · · · ·						
2.0L			2125		 96BB-DF	1 9485BA	94BBFH
	CONTOUR 1FA	A	3125	5.3	-01-01-01- 1 "	11 11	"
A	1		3125	5.8 5.3	l u	l t n	
	MYSTIQUE 2FA	u u		5.8	1 10		II
A		"	3250	2.0	 	1	1
COODDID N	CONTOUR 1FA	м	3125	5.4	96BB-BF	948FBA	94BBFH
OUSFRIZ A	1	1	3125	5.9		Г и	17
	MYSTIQUE 2FA	: 11	3125	5.4	•	0	1
A	11	n	3250	5.9		1 11	u III
•-		Ì			Í		
604PR11 N	CONTOUR 1FA	A	3125	5.3		:	94BBFK
А	e1	1 "	3125	5.8	n	11	11
N	MYSTIQUE 2FA	n	3250	5.3	п	n	11
A	4 u		3250	5.8	t n	1	11
COODDIA N	CONTOUR 1FA	м	3125	5.4	96BB-BF	948FBA	94BBFK
	"		3125	4	1	1 11	
A N	 MYSTIQUE 2FA	1 11	3125	5.4	1	n	II.
A		L 11	3250	5.9	1 ti		IT
A	1			Ì		İ.	
@ Star	dard tire (P18	5/70R14)	shown				
Certificati	 .on Standards	1		ł			
•	50K/100K			Í			
NMHC :	0.25/0.31	İ	İ	1	1	1	
CO:	3.4/4.2				1		
NOx:	0.4/0.6	1	1		1		
EVAP:	2.0		1	1	===		<u></u>
COLD CO:	10.0						

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1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of ____ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Evap Std: 5 Exh Std: Tie Veh Class(es Single Cert Exh Cert Fue Fuel Type(s)	CNGLNG	Life wit <u>X</u> TLEV T1LL -Class En Ph2 CNG Flex- LPG APU C	th R/L LEV DT2M ng Fam: Diesel: LPG Fuel Other Cycle (e.	Evap ULEV_ DV1(s 13 CCR Other (Dual-F (specif g., Ott	Engine Family ZEV; El MDV2MDV specify: N/A, 2282 or 40 (specify) FuelGas Ey) co, Diesel, The second seco	Y: <u>TFM104</u> PA Tier-0 V3 MDV LDT1, MDV D CFR 86.3 soline_X urbine)	<u>15AYPAB</u> Tier-1 /4 MDV /1, ETC.) L13-90 O Diesel	5 r -94 M85
Engine Conii Engine: From	iguration: <u>I-4</u> nt <u>X</u> Mid H	DISPIS)rive: FV	70 <u>X</u> RV	VD 4WD-FT	4WD-PT_		
Exhaust ECS	(eg., EGR, MF	I, TC, CA	AC): <u>EGF</u>	<u>ι, twc.</u>	<u>SFI, HO2S(7)</u>			
	-			(Use	abbreviation	s per SAE	J1930 Se	p 91)
Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.		Catalyst	
Code/	(If Coded	Type:	Test	or	(ECM/PCM)	Syst.	Part No.	
CALIF					Part No.	Part No	68013	
	Attachmt.)	M-Man.		0	-12A650-	-9M444-	-56211-	
2.0L 604NR00 N A	CONTOUR 1FA	A "	3375 3375*		96BB-EA "	948FBA "	94BBFH "	
@ Stan Certificati NMHC:	at next highe dard tire (P19 on Standards <u>50K/100K</u> 0.25/0.31 3.4/4.2 0.4/0.6 2.0	1						

COLD CO: 10.0

ENGINE FAMILY: TFM2.0VJG1EX ISSUED: 5-10-96 REVISED: .

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1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page of _____ OF ______ OF _____ OF

Evap Std: 9 Exh Std: Tie Veh Class(es Single Cert Exh Cert Fue Fuel Type(s) Hybrid: Type Engine Conf: Engine: From	M85): Dedicated CNG LNG e A B C	Life wit <u>X</u> TLEV_ F1LI -Class En Ph2 CNG Flex- LPG APU C Displa RearI	th R/L DT2 N DT2 N Diesel: LPG Fuel Cycle (e. Accement: Drive: FW	_ Evap (g DV1(g 13 CCR Other (Dual-F (specif .g., Ott , DR 3. TWC,	Engine Family ZEV; El MDV2 MDV specify: N/A, 2282 or 46 (specify) Fuel Gas Ty) co, Diesel, To /Liter SFI, HO2S(2)	y:TFM104 PA Tier-0 V3MD LDT1, MD 0 CFR 86.3 soline_X urbine) 4WD-PT	45AYPAB Tier-1
Engine	Veh. Models	Trang	Equiv.	RI.HD	Ign. Sys.	EGR	Catalyst
Code/		Type:			(ECM/PCM)		-
CALIF					Part No.		
	: :	M-Man.		Q	-12A650-		
	· · · · · · · · · · · · · · · · · · ·						<u> </u>
2.0L			2200	4 6			 94BBFH
	CONTOUR 1FA	A	3375 3375*		F6PF-EA "	9485DA "	9400rn
A	1 "		33/5*	5.1			
604NR10 N	CONTOUR 1FA	А	3375	4.6	F6PF-EB	948FBA	94BBFH
A	и		3375*	5.1	et.	10	
	Ì	İ				İ	ļ
* Test	at next highe:	r ETW					
@ Stan	 dard tire (P19) 	5/65R14)	ŧ				
Certificati	 on Standards						
20202220404	50K/100K						j
NMHC :	0.25/0.31	i	ļ			Ì	ĺ
	3.4/4.2				ĺ	İ	1
	0.4/0.6	İ	Ì	ĺ		1	1
	2.0	i	İ	I	1	l	<u> </u>
COLD CO:	10.0						

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 5-10-96 REVISED: 8-13-96 20.09.17.02 - 4

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