#### State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-10-598 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: SFM2.0VJG1EA <u>Displacement</u>: 2.0 Liters (121 Cubic Inches)

## Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter Heated Oxygen Sensor 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:

<u>Miles</u>	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	0.09	0.8	0.2
100,000	0.10	1.0	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 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 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 "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

. B. Summerfield

Assistant Division Chief Mobile Source Division

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

Evap Std: 50 Exh Std: Tie Veh Class(es Single Cert Exh Cert Fue Fuel Type(s)	FORD MOTOR ( OK X Useful I r-0 Tier-1 X ): PC X LDT: Std for Multi-( 1(s): Indo X	X TLEV  1 LD  Class Eng  Ph2 CNG  Flex- LPG	LEV	ULEV	ZEV; EP. MDV2 MDV pecify: N/A, 2282 or 40 specify)_ uel Gas y) o. Diesel, Tu	A Tier-0 3 MDV LDT1, MDV CFR 86.1 oline_X	1, ETC.) 13-90 or Diesel h	185_ 
Engine Confi	guration: I-4 nt X Mid. R (eg., EGR, MFI	T DISPIG	rive FW	D X RW	D 4WD-FT	4WD-PT_		
Engine Code/ CA/49ST/ 50ST	Veh. Models (If Coded see Attachmt.)	Tṛans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA @	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst Part No -9M444-	Catalyst Part No.	
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ENGINE FAMILY: SFM2.OVJG1EA ISSUED: 5-27-94 REVISED:

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page \_\_\_\_ of\_\_\_ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Eng.   Family SPM2_OVIGIEA   Evap Std: 50K_X   Useful Life with R/L   Evap Std: 50K_X   Useful Life with R/L   Evap Engine Family: SPM1045AYPOA   Evap Engine Family: SPM1045AYPOA   MDV5	Manufactu	rer	FORD MOTOR	COMPANY		Eng.	Family SFM2.0	VJG1EA		
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Veh Class(es): PCX IDT: LDT2 Single Cert Std for Multi-Class Eng Fam:	Evh Std.	Tie	r-O Tier-L	X TLEV	LEV	ロアドム	ZEV ; EF	W TIEL-O	IICT.I	
Single Cert Std for Multi-Class Eng Fam: Exh Cert Fuel(s): Indo X Ph2  M85 CNO LPG Other (specify)  Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline_X Diesel_ M85  CNG LNG LPG Other (specify)  Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine)  Engine Configuration: I-4 Displacement: 2.0 / Liter / Cubic Inche Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-FT Exhaust ECS (eg., ECR, MFI, TC, CAC): EGR TWC, SFI, HOZS  Engine Code/ (If Coded Type: Test Or CA/49ST/ Attachmt.)  Engine Code/ (If Coded Type: Test Or CA/49ST/ Attachmt.)  SOAPROS N CONTOUR IFA A 3125 6.3 "" " " " " " " " " " " " " " " " " "	Vah Class	:/c	EL PC X LDT	נו. ב	T2 M	DAT	MDVZ MUV	2 III) A	ר א תונו	<del>,</del>
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Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel M85_ CNO ING LPG Other (specify)  Hybrid: Type A B C . APU Cycle (e.g., Otto, Diesel, Turbine)  Engine Configuration: 1-4 Displacement: 2.0 / Liter / Cubic Inche Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-FT Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI HO2S  Engine (If Coded Type: Test or (ECM/PCM) See A-Auto Weight DrA Part No. Part N	Exh Cert	Fue	1 / . \	משמ	Diagali	TR CCP	7787 <u>ለየ 4</u> 0	CFR 86.1	.13-90 or	-94_
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Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: I-4 Displacement: 2.0 / Liter	Fuel Type	(s)	: Dedicated	Flex-	Fuel	Dual-H	Fuel Gas	oline <u>X</u>	Diesel	м85
Hybrid: Type A B C , Arb Cycle (a.g., Otto, Iessel, Interior)   Engine Configuration: I-4   Displacement: 2.0   Liter   Cubic Inche	• -									
Engine Configuration: 1-4 Displacement: 2.0	Hybrid: 7	Ίуρε	A R C	. APU C	усте (е.	g., Uti	to, Diesel, it	rbine)		
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Certification Standards  50K/100K  NMHC: 0.25/0.31  CO: 3.4/4.2  NOx: 0.4/  EVAP: 2.0				12001		1		1		
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ENGINE FAMILY: SFM2.0VJG1EA ISSUED: 5-27-94 REVISED: 1-12-95

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1995 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) Hybrid: Type Engine Confi	FORD MOTOR  OK X Useful  OK X U	Life with  X_ TLEV_  1 LD'  Class En  Ph2  CNG  Flex- LPG , APU C  Displa	LEV Mg Fam: Diesel: LPG Other ycle (e.cement:	ULEV_ ULEV_ (souther (souther (specifing, Otto 2.0 TO X RV	ZEV ; EP  MDV2 MDV  pecify: N/A,  2282 or 40  specify)  Gas  Gy  Liter  VD 4WD-FT	A Tier-0_ 3 MDV LDT1, MDV CFR 86.1 coline_X urbine)4WD-PT_	4 MDV5 1, ETC.) 13-90 or DieselCubic	-94_ M85_ Inche
Engine Code/	Veh. Models (If Coded	Trans. Type:	Equiv. Test	or	Ign. Sys. (ECM/PCM) Part No.	EGR Syst. Part No	Catalyst Part No.	
CA/49ST/ 50ST	see Attachmt.)	A-Auto M-Man.	Weight	DPA @	-12A650-		-5E211-	
2.0L 504PR10 N A N A	CONTOUR 1FA "MYSTIQUE 2FA "	A	3125 3125* 3250 3250	5.7 6.3 5.7 6.3	94BB-JD	94BBDA	94BB EL	
* Tes	ndard tire (P18	1	shown					

ENGINE FAMILY: SFM2.0VJG1EA ISSUED: 4-7-95 REVISED: