## State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-10-685 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 1997 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VFM2.5VJG1EK 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 (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:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20<sup>0</sup>F)</u>	
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:

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20<sup>0</sup>F)</u>
50,000	0.14	1.4	0.1	3.4
100,000	0.17	1.8	0.1	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 gases (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 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.).

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 1996.

for R. B. Summerfield Assistant Division Chief Mobile Source Division

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Manufacture	r FORD MOTOR	COMPANY	<u> </u>	Ene	g. Fa	mily VFM2/5V	CI EK		
Manufacturer FORD MOTOR COMPANY  Evap Std: 50K X Useful Life with R/L  Exh Std: Tier-0 Tier-1 X TIME  Evap Engine Family VFM2 5VJG1EK  Evap Engine Family: VFM1045AYPAB									
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: // Carrier for MDV4 MDV5									
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Exh Cert Fu	el(s): Indo_X_	Ph2	Diesel:	13 C	CR 22	82 or 40 c	FR 86 113	-90 or -9	,
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Fuel Type(s	): Dedicated	Flex	-Fuel	Dua:	l-Fue	1 Gasol	ine X Di	eselM85	
	CNG LNG	LPG	Other	(ene	-1 Fd2				
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Exhaust ECS	& Special Fea	tures (E	G., EGR,	MF/1,	TC,	CAC): <u>EGR. T</u>	WC. SFI.2	HO25(2), 2TV	VC
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ENGINE FAMILY: VFM2.5VJG1EK ISSUED: 5-16-96 REVISED:

## 1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page \_\_\_\_ of\_\_\_\_ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Exh Std: Veh Class Single Cer Exh Cert F Fuel Type: Hybrid: Ty Engine Con Engine: Fr	rer FORD MOTO  50K X Usefu Tier-0 Tier- (es): PC X I rt Std for Mult Fuel(s): Indo X  M85 (s): Dedicated  CNG LNo rpe A B C offiguration: V- ont X Mid. S & Special Fea	1_X_TLE DT1 i-Class _ Ph2 CNG Fle: G LPG, APU	LDT2 Eng Fam: Diesel LPG X-Fuel Cycle (elacement:	MDV1 : 13 Oth Du r (sp 3.g., : 2, FWD_X MFI,	JEV (sp CCR 2 er (sp al-Fu ecify Otto E /_ RWD_	MDV2 MDV ecify: N/A, 282 or 40 pecify)el Gas . Diesel, Tu Liter 4WD-FT CAC): EGR 7	/: _VFM104 PA Tier-0 /3 MDV LDT1, MDV CFR 86.1: oline_X I rbine)4WD-PT	MDV5  1, ETC.)  13-90 or -9  Diesel M85  Cubic Inch
Engine Code/ CALIF	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight		PA	Ign. Sys. (ECM/PCM) Part No12A650-	EGR Syst.	Catalyst Part No.
2.5L 712SR00 N A N A	CONTOUR 1FA " MYSTIQUE 2FA "	A "	3375 3375 3375 3375	# 4.6 5.1 4.6 5.1	5.8 5.3	N		1 94BBGD
711SROO N A N A	CONTOUR 1FA " MYSTIQUE 2FA	M 4   14	3250 3250@   3250   3375	4.7 5.2 4.7 5.2	5.5	97BB-ARA " "	11	94BBJD
712SR05 N A   N   A	CONTOUR 1FA " MYSTIQUE 2FA	A , , , , , , , , , , , , , , , , , , ,	3375 3375 3375 3375	4.6	5.3 5.8 5.3		F53EAA	94BBGD
A	CONTOUR 1FA   MYSTIQUE 2FA	M	3250 3250@   3250   3375	4.7 5.2 4.7 5.2	5.0 5.5 5.0	97BB-ARB " "	F53E~-AA	94BBJD "
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ENGINE FAMILY: VFM2.5VJG1EK ISSUED: 5-16-96 REVISED: 7-22-96

### 1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page \_\_\_\_ of\_\_\_ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufact	tur	er FORD MOTOR	COMPANY	·	Er	ıcı. Fa	mily VEWS SY	TC1 PV	
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Engine:	Fro	iguration: V-6 ont X Mid	Rear	Drive: F	WD X	/		45TD DO	Cubic Incl
Exhaust	ECS	& Special Fea	tures (E	G. EGR.	MET	TC /		WC CET 2	(2)
			•-		(11	ee shi	breviations -	WC. SF1,2	HO2S(2), IWC
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