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### State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-10-697 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: VFM4.6VJGKFK Displacement: 4.6 Liters (280 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 Secondary Air Injection 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>	<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:

<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	0.18	1.3	0.1	6.9
100,000	0.22	1.8		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 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 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)(6.2) ("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 \_

R. B. Summerfield

Assistant Division Chief Mobile Source Division

day of June 1996.

E.O.#	A٠	-10-6	97

# 1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer:	FORD MOTOR CO	OMPANY	_ Exh Eng	g Fam:_ <u>\</u>	VFM4.6VJGKFK	Evap Fam: <u>VF</u>	M1060AYMAB
All Eng Codes in Eng Fam: CA 49S 50S_x AB965							
Exh Std: CA	Tier-1_x TL	EV	LEV	ULEV_	ZEV	_; US EPA	Tier-l <u>x</u>
Evap Std: 50	K <u>x</u> Useful Li	fe with R,	/L Ir	n-Use Ex	kh Std: Full	In Use <u>x</u> Al	t In Use
Veh Class(es)	: PC <u>x</u> LDT1_	LDT2	MDV I	l <b>1</b>	MDV3MDV3	MDV4	MDV5
Single Cert S	Std for Multi-Cla	ss Eng Far	m: <u>n/a</u> (	(specify	y: N/A, LDT1,	MDV1, MDV2,	MDV3, MDV4)
Fuel Type(s):	Dedicated <u>x</u>	Flex-Fuel	Dual-	-Fuel	Bi-Fuel	Gasoline <u>x</u>	Diesel
	CNG LNG	LPG	M85 (	Other (	specify)		
Emiss Test Fu	iel(s): Indo <u>x</u>	Ph2	CNG LF	PG 1	485 Other	(specify)	
	Diesel:	13 CCR 2	282	40 Ci	FR 86.113-90	_ 40 CFR 8	6.113-94
Service Accum	n: Std AMA <u>x</u> i	Mod AMA	Mfr #	ADP	Other (speci	fy)	
NMOG Test Pro	ocedure: N/A <u>x</u>	Std	Equiv	[	R/L Test Proc:	SHEDP	t Source
Hybrid: Type	e A B C,	APU Cyc	le (e.g.,	Otto, [	Diesel, Turbin	e): <u>n/a</u>	
	juration: <u>V-8</u>						
Valves per Cy	/linder: <u>4</u>		Rated	HP:	260	@ <u>5500</u>	RPM
	nt <u>x</u> Mid						
xhaust ECS (	(e.g., MFI, EGR,	TC, CAC):	2TWC	TWC, 2	2HO2S(2), EGR,	AIR, SFI	
			•				
Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR	Catalytic
(also list CA/49ST/50ST	<pre>(if coded see attachment)</pre>	(M5, A4 etc.)	or Test Wt.	RIHP	(ECM/PCM) Part No.	System Part No.	Part No.
0.0 13017 0001	a o o a o i i i i i i i i i i i i i i i		2				
738DR05A	CONTINENTAL	L4	4250	7.4	F7DF-EB	F55E-AA	F70C-AA
7005110071		ł			,,,,,,		
738RR05A	CONTINENTAL	L4	4250	6.6	F7DF-FB	F55F-AA	F70C-AA
750111057	CONTINENTAL		1200	0.0	, , , , , , ,		
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Date Issued: 5/15/96

Revisions:

E.O.# <u>A-10-697</u>

## 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: FORD MOTOR COMPANY

Eng. Family: VFM4.6VJGKFK

Pass Car: X (PC) Light-Duty Truck: (T1/T2) Med-Duty Vehicle: (M1/M2/M3/M4/M5)

Standards Type: T-1 (Tier 0/1, AB965, TLEV, LEV, ULEV) Vehicle Type: (FFV, HEV(type A/B/C)\_

Fuel Type: Gasoline Indolere Evaporative Family: VFM1060AYMAB

Engine Config: V-8

Liter (CID): 4.6L (260)

Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT

Exhaust ECS & Special Features:(incl. CARB, MFI) 2TWC/TWC/2 HO2S(2)/EGR/ SFI /A/R (Use abbreviations per SAE J1930 May91)

Engine Code (Cert Std.)	Vehicle Models (if coded see	Trans. Type A-Automatic		DPA	Ignition (ECM/PCM)	EGR System	Catalyst
	attachment)	M-Manual			Part No.	Part No.	Part No.
738DR05A	CONTINENTAL	Α	4250	7.4	F70F-EB	F55E-AA	F70C-AA
738RR05A	CONTINENTAL	Α	4250	6.6	F70F-FB	F55E-AA	F70C-AA
738DR06A	CONTINENTAL	Α	4250	7.4	F70F-EC	F55E-AA	F70C-AA
738RR06A	CONTINENTAL	Α	4250	6.6	F70F-FC	F55E-AA	F70C-AA
738DR07A	CONTINENTAL	Α	4250	7.4	F70F-ED	F55E-AA	F70C-AA
738RR07A	CONTINENTAL	Α	4250	6.6	F70F-FD	F55E-AA	F70C-AA
738DR10A	CONTINENTAL	Α	4250	7.4	F70F-EE	F55E-AA	F70C-AA
738RR10A	CONTINENTAL	Α	4250	6.6	F70F-FE	F55E-AA	F70C-AA
738DR11A	CONTINENTAL	Α	4250	7.4	F70F-EF	F55E-AA	F70C-AA
738RR11A	CONTINENTAL	Α	4250	6.6	F70F-FF	F55E-AA	F70C-AA
738DR12A	CONTINENTAL	Α	4250	7.4	F70F-EF	F55E-AA	F70C-AA
738RR12A	CONTINENTAL	Α	4250	6.6	F70F-FF	F55E-AA	F70C-AA