## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-10-718 Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority wested in the Air Resources Board by the Health and Safety Code, Division 26, Past 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 Ford Motor Company 1997 model-year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Famil VFM4.2J8G1EK Displacement: 4.2 Liters (255 Cubic Inches)

Exhaust Emiszion Control Systems & Special Features:

Dual Three Way Catalytic Converters (two)
Dual Hexted Oxygen Sensors (two)
Exhaus (das Recirculation

Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Test Weight	<u>) Miles</u>	Non-Methane Mydrocarbons	Carbon <u>Monoxide</u>	Nitrogen Oxides	Carbon <u>Monoxide (20<sup>0</sup>F)</u>	
5751-8500	50,000	0.39 (0.49)	5.0 (6.2)	1.1 (1.4)	12.5 (12.5)	
	120,000	0.56 (n/a)	7.3 (n/a)	1.53 (n/a)	n/a	

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	Carbon <u>Monoxide (20<sup>0</sup>F)</u>	
5751-8500	50,000	0.11	1.8	0.4	2.8	
	120,000	0.12	3.1	0.74	n/a	

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 based on a 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 50 percent of the manufacturer's projected sales of 1997 model-year California-certified medium-duty vehicles 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 running loss and useful life standards applicable to 1995 and subsequent 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 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").

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.

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R. B. Summerfield

Assistant Division Chief Mobile Source Division

E.O.#<u>A-10-718</u>

## 1997 MODEL YEAR SUPPLEMENTAL DATA SHEET EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. <u>FORD N</u>	Exh	Exhaust Engine Family: <u>VFM4.2JBG1EK</u>					
Engine Code Ty	ypes: CA <u>X</u> 495	_ 50S Eva	p Emission	ns Fami	ly: <u>VFM1155</u>	YMGB	
Exh Std: Tier	-0 Tier-1_X_	TLEV LEV_	ULEV_	ze	J EPA TI	ER-0 T	'IER-1
Evap Std: 501	K Useful Life	with R/L_X_	In-Use Ex	kh Std:	Full In Use	e_X_ Alt I	n Use
Veh Class(es)	: PC LDT1	LDT2 MDV	1 MDV	2	MDV3 <u>X</u> MD <sup>r</sup>	/4 MDV5	<u>-</u>
Single Cert S	td for Multi-Clas	s Eng Fam: <u>N</u>	/A (spe	ecify:	N/A, LDT1,MI	OV1,MDV2,MI	)V3,MDV4)
Exh Cert Fuel	(s): Indo X Ph2	Diesel: LPG	13 CCR 228	32 o	r 40CFR 86.1	L13-90 c	or -94
Fuel Type(s):	Dedicated F Gasoline X Di	lex Fuel	Dual-Fuel		Other (	specify)	
Hybrid: Type	A B C	., APU Cycl	.e (eg,	Otto, I	Diesel, Turb	ine)	
Valves/Cyl: _ Engine: Fron	t <u>X</u> Mid Rea	Rat ir Dri	ced HP: <u>2</u> Lve: Fwd_	05 @ RWI	<u>4400</u> RPM O <u>X</u> 4WD-FT		T
Exhaust Contr	ol System and Spe	ecial Features	2 Twd2) HO (Use al	297) EGR breviat	SFI.	E J1930 SE	P91)
Engine Code	Vehicle Models	Trans. Type	ETW	DPA	•		
(also list	(if coded see	A-Automatic	or	1	(ECM/PCM)	: -	Converter
CA/49ST/50ST	attachment)	M-Manual	Test Wt	RLHP	Part No.	Part No.	Part No.
	T 160	A			F7UC-MC	F65E-AA	F7UA-JA 4
744TR06A/N	E-150	A	6000	16.5	•		F7UA-DA
	RVL		6000	17.9*			
	RVL		6000	16.5			
	CWL			17.9*			
	CML		6000	11.5	F7UC-NC	11	n.
744UR06A/N	E-250	11		<b></b> 0	F/OC-NC		
	RVL		6000	15.8			
	RVL		6000	17.2*			
	SVL		6500	15.1			
	SVL		6500	16.5*			ч
744MR06A/N	E-250	e e			F7UC-LC		
•	$\mathtt{RVL}$		7000	16.4			
	RVL		7000	17.8*			
	SVL		7000	15.5			
	SVL		7000	16.9*			
	CUTAWAY		7000	26.5			
	CUTAWAY		7000	27.9*			
744LR06A/N	E-250	31			F7UC-GC	11	II
1227000011	STRIP		7000	26.5			
	STRIP		7000	27.9*			
	- INI						

ENGINE FAMILY: VFM4.2J8G1EK

ISSUED: REVISED:

<sup>\*</sup> WITH AIR CONDITIONING