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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-683 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: VFM2.0VJG1EK Displacement: 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>	Oxides	<u>Monoxide (20⁰F)</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 (20⁰F)</u>
50,000	0.11	1.5	0.2	6.5
100,000	0.12	2.1		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 (NMCG) 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 ______ day of July 1996.

An R. B. Summerfield

Assistant Division Chief Mobile Source Division

Raphael Surrowity

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of____ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufact	ur	er FORD MOTOR	COMPAN	<u></u>	Eng F	amily VEMO ON	TC1 1317		
Exh Std:	Т.	ier-0Tier-1	L_X_ TLEV	/ LEV	ULEV	ZEV - EDA	Tiom 0	AYPAB	
Veh Clas	s (es): PC_X_ LI	OT1I	DT2	MDV1	_ LLV, EFA	TTGT-0	_ Tier-i	_
Exh Cert	F	uel(s): Indo <u>X</u> M85	Ph2	Diesel:	13 CCB 23	282 OF 40	DII, MDVI	ETC.)	
		M85	CNG	LPG	Other (st	pecify)	CFR 86.113	3-90 <u> or</u>	- 9
Fuel Typ	e (s	s): Dedicated_ CNG LNG	Flex	-Fuel	Dual-Fue		1:		
		CNGLNG	LPG	Other	(specify)	Gaso.	rine_X_ Di	esel M	85
Hybrid:	Тур		. APU	Cycle (e	0++0	Diagol m. 1	hri na l		
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Exhaust :	ECS	& Special Fea	tures (E	G., EGR,	MFI. TC.	CAC) - FGP 1	AMD-51	TTOD (7)	
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Code/		(If Coded	Type:	Test	or	(ECM/PCM)	:	Part No.	
CALIF		see	A-Auto	Weight	DPA	Part No.	Part No	•	
		Attachmt.)	M-Man.	1	İ	-12A650-	:	-5E211-	
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NMHC:		0.25/0.31	! 	1	1	!	. !		
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NOx:		0.4/0.6	ļ	1	ļ]	ļ		
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COLD CO:	-	10.0		- ·					

ENGINE FAMILY: VFM2.0VJG1EK ISSUED: 4-25-96 REVISED: 7-19-96

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____of___ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacture	FORD MOTOR	COMPANY	7	Eng E	amila WEMO At	TO THE	
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Veh Class(e	s): PC_X_ LI	ייים <u></u> ייים מיים	ב <u>די</u>	MDU1	_ ZEV; EPA	Tier-0	_Tier-1
Single Cert	Std for Multi	-Clase F	ng For		MDV3MDV3	MDV4_	MDV5_
Exh Cert Fu	Std for Multi	Dho	Diagol.	(spe	Clry: N/A, L	DT1, MDV1,	ETC.)
	el(s): Indo <u>X</u> M85	CNG	DIESET:	13 CCR 22	282 or 40 (CFR 86.113	-90 <u> or</u>
Fuel Type(s): Dedicated	Flav	-Fuel	Other (sp	pecify)		
): Dedicated_ CNGLNG	I.DG	Other	Juai-Fue	gaso.	line <u>X</u> Di	eselN
Hybrid: Typ	e ABC_	Apri	Ocner	(specity)	D-1 2 = 1		
Engine Conf	iguration: I-4	Displ	acement.	.g., Octo,	Diesel, Turi	oine)	
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Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.	ECD	G-5-7
Code/	(If Coded	Type:	Test	or	(ECM/PCM)	EGR	Catalyst
CALIF	see	:	Weight		Part No.	Syst.	Part No.
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1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page of PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufact	ure	er FORD MC	TOR COMPAN	Υ	Eng. Fa	amily <u>VFM2.0V</u>	TC1 DE	
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		· DICT LOT MO	LLLI-CIASS I	ing ram	(and	Acrifera NT/N	\ma	
Exh Cert	Fu	el(s): Indo	X Ph2	Diesel.	13 CCP 22	182 or 40 C	OTI, MDVI,	ETC.)
		M85	CNG	I.PG	Other (or	02 OF 40 (FR 86.113	-90 <u> </u>
Fuel Typ	e (s	:): Dedicat	edFlex	c-Fuel	Dual-Fue		ine <u>X</u> Di	202
		CNG_	LNG LPG	Other	(specify)			esel M85_
Hybrid:	Тур	e AB	C , APU	Cvcle (e	.a. Otto	Diesel Turk	vinal	
miditie C	OTT	rguration:_	<u>1-4</u> Displ	acement:	2.0 /	Liter	/	G-1-1 - 1
Engine:	Fro	nt_X_ Mid	Rear	Drive: F	OWS X CIW	4WD-FT	460 DE	Cubic inch
Exhaust	ECS	& Special	Features (F	G EGR	MET TO	CAC): EGR, T	WD-PT	('a')
		-		2011,	/Hgo ah	become because	WC. SFI.	HO2SC
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Engine		Veh. Mode	ls Trans.	Equiv.	RLHP	Ign. Sys.	EGR	Catalyst
Code/		(If Coded	Type:	: -	or	(ECM/PCM)	:	: 7
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