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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-838 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 1999 model-year Ford Motor Company exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type (Certification Fuel): Gasoline (Indolene)

Engine Family: XFMXT04.02DN <u>Displacement</u>: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters Three Way Catalytic Converters (two) Dual Heated Oxygen Sensors (two) Sequential Multiport Fuel Injection Exhaust Gas Recirculation

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

The non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) TLEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	_CO_	NOx	нсно	CO (20°F)
3751-5750	50,000 100,000	0.160	4.4 5.5	0.7	0.018	12.5 n/a

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

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	<u> N0x</u>	нсно	<u>co (20°F)</u>
3751-5750	50,000 1 0 0,000	0.056 0.066	1.8 2.3	0.1	0.001 0.001	5.0 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 NMOG exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test requirements 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 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 and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 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 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.

Executed at El Monte, California this ______

day of July 1998

R. B. Summerfield, Chief

Mobile Source Operations Division

1999 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOT	OR COMPANY Exh E	ng Fam: XFM	XT04.02DN	Ev	ap Fam: X	FMXE0105BB	<u>E</u>
	in Engine Family:						
Exh Std: CA Tier	-1, TLEV_X_, LE	V, ULE	.v , su	LEV ,	E	PA TIER-1	
Veh Class(es): 1	CLDT1LDT	2 X MDV1	MDV2_	MDV	3 MDV4	MDV5_	
	for Multi-Class En					VI,MDV2,MD	V3,MDV4]
(Dedicated X Flex Sasoline X Diesel	1407				pecify)	
Exh Emiss Test	Fuel(s): Indo X (Diesel: 3	CBG CNG L3 CCR 2282	LPG	M85 Ot 40CFR 86.	ther (spec 113-90	or -94_	
Evaporative Emi	ssion Test Procedu	e: Cali	fornia	F	ederal X		
Service Accumul	ation: Std AMA N	fod AMA I	Mfr. ADP	K_ Other	(Specify)		
NMOG Test Proce	dure: N/AStd_X	_ Equiv	R/L Test	Procedu	re: SHED_	Pt Sou	rce <u>x</u>
Engine: Front_	ation: <u>V-6</u> X Mid Rear	_ Driv	re: EWD_	- KMD V	_ 300		T X
	System and Specia		1000 000		• .		
Engine Code (also list CA/49ST/50ST	Vehicle Models Tr (if coded see A4- attachment) M	ans. Type Automatic 5-Manual	eTW or Test Wt	DPA IO or () RLHP	gnition ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
9LTMBBA A/N	AX	M5				F87E-AA	XL54-5F250-BO (CC-RH/LH) XL54-5E212-DO (UB)
	MAZDA 4x2 SCS 2DR MAZDA 4x2 SCS 4DR		3750 3875	11.3/12.4*		14 14	
			3875	13.0/14.3*	10	4	
	MAZDA 4x4 RCS MAZDA 4x4 SCS 2DR MAZDA 4x4 SCS 4DR	5d 54	4000 4250	. 16	9 0	16	 ri
	RANGER 4x2 SCS 2DR RANGER 4x2 SCS 4DR	100 147	3750/3875 3875	11.3/12.4*	89 86	11	14 96
		и	3875	13.0/14.3*	507	n	15 46
	RANGER 4x4 RCS RANGER 4x4 RCL	м	3875/4000	P6	M	H	
	RANGER 4x4 SCS 2DR RANGER 4x4 SCS 4DR	34	4000 4250	H 46	26	10	u
		CD W/TU 00/15/75	R16 TIRES				
	MODELS BELOW EQUIPP	ED 441112 E 249113			**		'n
	MAZDA 4x4 RCS		3875	12.3/13.5	H	IF.	
	MAZDA 4x4 SCS 2DR	т	4000 4250	•	**	. н	. "
	MAZDA 4x4 SCS 4DR		3875	14		# H	
e.	RANGER 4x4 RCS RANGER 4x4 RCL	N	3875/4000	**		 d	•
	RANGER 4X4 RCL RANGER 4X4 SCS 2DR RANGER 4X4 SCS 4DR		4000 4250	19 NI	17		