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(Page 1 of 3)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-763 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 Ford Motor Company 1998 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: WFMXT03.0AAA Displacement: 3.0 Liters (183 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Dual Three Way Catalytic Converters 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 non-methane organic gases (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	<u></u>	<u>NOx</u>	<u>НСНО</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1998 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

FORD MOTOR COMPANY

Loaded Vehicle <u>Weight (lbs.)</u>	<u>Miles</u>	NMOG	<u></u>	<u>NOx</u>	<u>нсно</u>	CO (20°F)
3751-5750	50,000	0.075	0.7	0.1	0.002	4.8
	100,000	0.080	0.8	0.2	0.002	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is vertifying 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 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 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 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.).

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."

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 December 1996.

_ day of December 1996

R. B. Summerfield, Chief

Mobile Source Operations Division

E.O.#A-10-763

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

Mfgr. FORD	MOTOR COMPANY	Ext	naust Engi	ne Fam	ily: WFMXTO	3.0AAA (W3	3.0WINC)	
Engine Code	Types: CA_X 49S_	50S Eva	p Emissio	ns Fam	ily: WFMXE	140B1E		
Exh Std: Tie	r-0Tier-1	TLEV_ LEV	X ULEV	zı	EV EPA T	IER-0	TIER-1	
Evap Std: 5	OK Useful Lif	e with R/L X	In-Use E	xh Std	: Full In Us	e <u>X</u> Alt	In Use	
Veh Class(es): PC LDT1	LDT2 X MDV	1 MDV	2	MDV3 MD	V4MDV	′5 <u> </u>	
Single Cert	Std for Multi-Cla	ss Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	DV3,MDV4)	
Exh Cert Fue	1(s): IndoPh M85CN	2 X Diesel:	13 CCR 22	82	or 40CFR 86.	113-90	or -94	
Fuel Type(s)	: Dedicated	Flex Fuel	Dual-Fuel					
	Gasoline X De A B C	iesel M85	CNG	LPG	Other (Diesel, Turb	specify) ine)		
Engine Config V-Block Displacement: 3.0L Liters (Cubic Inches) Valves/Cyl: 2 Rated HP: 150 @ 5000 RPM Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT								
Exhaust Cont	rol System and Sp	ecial Features	2 TWC , 2 HO	2 5(2)EGF	R, SFI,			
			(Use ab	brevia	tions per SA	 E J1930 SE	P91)	
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	or		(ECM/PCM)	System	Catalytic Converter Part No.	
856PR00N	Windstar Van 2WI	A(DL)	3875	10.3*	F78F-FA	F87E-CA	F68A-ARA	
856PR00A	Windstar Van 2WI	A(DL)	3875	11.3*				
856PR00N	Windstar CW 2WD	• •	4000	9.7				
856PR00N	Windstar CW 2WD		4000	10.3*				
856PR00A	Windstar CW 2WD	· · ·	4000	10.7				
856PR00A	Windstar CW 2WD	A(DL)	4000	11.3*				
R/C 3.0-103								
856PR06N	Windstar Van 2WD	A(DL)	3875	10.3*	F58F-FD	ビタブセ _ベル	せんりカーカウカ	
856PR06A	Windstar Van 2WD	• •	3875	11.3*	LJOE-FD	FO/E-CA	E GOW-WKW	
856PR06N	Windstar CW 2WD		4000	9.7				
856PR06N	Windstar CW 2WD		4000	10.3*				
856PR06A	Windstar CW 2WD	• •	4000	10.7				
856PR06A	Windstar CW 2WD		4000	11.3*				
R/C 3.0-105								

Windstar CW 2WD Windstar CW 2WD

Windstar CW 2WD

856PR10N Windstar Van 2WD

856PR10A Windstar Van 2WD

856PR10N Windstar CW 2WD

Engine Family: W3.0WINC

Issue Date: 11-13-96

856PR10N

856PR10A

856PR10A

Revised: 12-19-96 12-19-96

20.09.17.02 - 1

3875

3875

4000

4000

4000

4000

11.3*

9.7

10.3*

11.3*

10.7

10.3* F58F-FE F87E-CA F68A-ARA

A(DL)

A(DL)

A(DL)

A(DL)

A(DL)

A(DL)

Equipped with P215/70R15 tires.

1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET EXHAUST/EVAPORATIVE SYSTEM & CALLEGRAPH STOCKED SHEET PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FOR	MOTOR COMPANY	Ex	haust Engi	ne Fam	ily: WFMXTO	3.0AAA (W3	3.0WINC)
Engine Code Types: CA X 49S 50S Evap Emissions Family: WFMXE0140B1E							
Exh Std: Tie	er-0Tier-1	_ TLEV LE	V_X ULEV	Z]	EV EPA T	IER-0	TIER-1
Evap Std: 5	OK Useful Li	fe with R/LX	In-Use E	xh Std	: Full In Us	e_ Alt	In Use <u>X</u>
Veh Class(es	:): PC LDT1	LDT2_X MD	V1 MDV	<u></u>	MDV3MD	V4 MDV	′5 <u> </u>
Single Cert	Std for Multi-Cl	ass Eng Fam: 1	N/A (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	DV3,MDV4)
	el(s): Indo P M85 C	NG LPG	Other /en	aci ful			_
Fuel Type(s)	: Dedicated x Gasoline X	Flex Fuel	Dual-Fuel	—_ _{t.D.C}	0.1		
Hybrid: Typ	e A B C_	, APU Cyc	le (eg,	Otto,	Other (Diesel, Turb	ine)	
Engine Confi Valves/Cyl:	g <u>V· (</u> Dis	placement: 3	. OL	Liters	(Cubic Inch	es)	
Engine: Fro	nt X Mid R	ear Dr:	ted HP: _1 ive: FWD_	X RW		4WD-P	T
	rol System and S		2 TWC ,2 HO	2\$(2),	EGR, SFI,		
			(Use ab	brevia	tions per SA	E J1930 SE	P91)
	Vehicle Model		ETW	DPA	Ignition	EGR	Catalytic
	(if coded see		or	or	(ECM/PCM)	System	Converter
CA/49ST/50ST	attachment)	M-Manual	Test Wt	RLHP	Part No.	Part No.	Part No.
856PR00N	Windstar Van 2W		3875	10.3*	F78F-FA	F87E-CA	F68A-ARA
856PR00A	Windstar Van 2W	,,	3875	11.3*			
856PR00N	Windstar CW 2W	D A(DL)	4000	9.7			
856PR00N	Windstar CW 2W	D A(DL)	4000	10.3*			
856PR00A	Windstar CW 2W	· · · · · · · · · · · · · · · · · · ·	4000	10.7	-		
856PR00A	Windstar CW 2W	D A(DL)	4000	11.3*			
R/C 3.0-103							
856PR06 N					F58F-FD	F87E-CA	F68A-ARA
856PR06 A	Windstar Van 2W	D A(DL)	3875 ⁻	11.3*			
856PR06N	Windstar CW 2W	, -	4000	9.7			
856PR06N	Windstar CW 2W	• •	4000	10.3*			
856PR06A	Windstar CW 2W	D A(DL)	4000	10.7			
856PR06A	Windstar CW 2W	D A(DL)	4000	11.3*			
R/C 3.0-105							
856PR10N	Windstar Van 2W	D A(DL)	3875	10.3*	F58F-FE	F87E-CA	F68A-ARA
856PR10A	Windstar Van 2W	D A(DL)	3875	11.3*			
856PR10N	Windstar CW 2W	D A(DL)	4000	9.7			
856PR10N	Windstar CW 2W	D A(DL)	4000	10.3*			
856PR10A	Windstar CW 2W	D A(DL)	4000	10.7			
856PR10A	Windstar CW 2W	D A(DL)	4000	11.3*			

^{*} Equipped with P215/70R15 tires.

Engine Family: W3.0WINC

20.09.17.02 - 1

Issue Date: 11-13-96

Revised: 12-19-96 12-19-96 7-24-97