State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-849
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 medium-duty vehicles:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type (Certification Fuel): Gasoline (Indolene)

Engine Family: XFMXA05.4JGC Displacement: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters (two)
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 gas (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:

Test Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
5751-8500	50,000	0.195	5.0	0.6	0.022	12.5
	120,000	0.280	7.3	0.9	0.032	n/a

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

Test Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
5751-8500	50,000	0.092	1.7	0.1	0.002	5.4
	120,000	0.126	3.1	0.1	0.002	n/a

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 is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in 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" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred 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 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 listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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 13th day of July 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-849
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1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer Ford Motor Company Exh. Eng. Fam.: XFMXA05.4JGC Evap. Fam.: XFMXE0155BAF/BAG XFMXE0155BBF/BBG

Engine Code Types: CA XXX 49S ___ 50S ___ ORVR: Yes ___ No XXX

Exhaust Std: CA Tier-1 ___ TLEV ___ LEV XXX ULEV ___ ZEV ___ U.S. EPA TIER-1 ___

Vehicle Class(es): PC ___ LDT1 ___ LDT2 ___ MDV1 ___ MDV2 ___ MDV3 XXX MDV4 ___ MDV5 ___

Single Cert Std for Multi-Class Eng Fam: ___ (specify: N/A,LDT1,MDV1,MDV2,MDV3,MDV4)

Exhaust Emiss. Test Fuel: Indolene Clear XXX CBG ___ Fuel Type: Dedicated Gasoline XXX

Evaporative Emission Test Procedure: California ___ Federal XXX

Service Accumulation: Std AMA ___ Mod AMA ___ Mfr ADP XXX Other ___

NMOG Test Procedure: N/A ___ Std XXX Equiv ___ R/L Test Procedure: SHED ___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4 L

Valves/Cyl: 02 Rated HP: 260 @ 4250 RPM

Engine: Front XXX Mid ___ Rear ___ Drive: Fwd ___ RWD XXX 4WD-FT ___ 4WD-PT XXX

Exhaust Control System and Special Features SFI/EGR/2TWC(2),2HO2S(2)
(Use abbreviations per SAE J1930 SEP91)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZA BEB A/N		A4			XL1F-FB	F75E-CA	(LH) XL34-5E214-GB (RH) XL34-5G218-GC
	Expedition 4x2 Navigator 4x2		6000 6000	*			
"		"			"	"	(LH) XL34-5E212-HB (RH) XL34-5G218-HC
	Expedition 4x4 Navigator 4x4		6500 6500	*			

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JGC Evap. Fam.: XFMXE0155BAF/BAG XFMXE0155BBF/BBG

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZA BFB A/N		A4			XC3F-AMB	F75E-CA	(LH) XL34-5E214-HB (RH) XL34-5G218-HC
	F150 4X4 SKS		6000	*			
	F150 4X4 SKL		6000				
	F250 4X4 RKL (7200 GVW)		6000				
	F250 4X4 RKL (7700 GVW)		6500				
	F250 4X4 SKS (7200 GVW)		6000 (non-A/C)				
	F250 4X4 SKS (7700 GVW)		6500				
	F250 4X4 SKS (7200 GVW)		6500 (with A/C)				
"					"	"	(LH) XL34-5E214-GB (RH) XL34-5G218-GC
	F250 4X2 RKL		6000				
	F250 4X2 SKS		6000				
9VZA BVB A/N		A4			XU2F-DA	F75E-CA	(LH) XL34-5E214-HB (RH) XL34-5G218-HC
	F150 4X4 SKS		6000	*			
	F150 4X4 SKL		6000				
	F250 4X4 RKL (7200 GVW)		6000				
	F250 4X4 RKL (7700 GVW)		6500				
	F250 4X4 SKS (7200 GVW)		6000 (non-A/C)				
	F250 4X4 SKS (7700 GVW)		6500				
	F250 4X4 SKS (7200 GVW)		6500 (with A/C)				
"					"	"	(LH) XL34-5E214-GB (RH) XL34-5G218-GC
	F250 4X2 RKL		6000				
	F250 4X2 SKS		6000				

* See Section 20.09.17.03

Supplemental Data Sheet ED# A-10-849
DPA Summary

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Body	Trans	Tire	ETW	Non -A/C DPA	A/C DPA
Expedition 4x4	4R100	P255 AS	6000	16.3	17.7
		$	6500	16.3	17.7
		P255 AT	6000	15.0	16.4
		$	6500	15.0	16.4
		P265 AT	6000	15.7	17.1
		$	6500	15.7	17.1
		LT245 AT	6000	15.6	17.0
		$	6500	15.6	17.0
Navigator 4x4	4R100	P 245 AS	6000	15.0	16.4
		$	6500	15.0	16.4
		P255 AT	6000	14.7	16.1
		$	6500	14.7	16.1
Expedition 4x2	4R100	All P255	5500	11.6	12.8
		$	6000	11.6	12.8
		LT245 AT	5500	11.1	12.2
		$	6000	11.1	12.2
Navigator 4x2	4R100	P245 AS	5500	13.1	14.4
		$	6000	13.1	14.4
		$	6500	13.1	14.4
F250 4X2 RCL	4R100	P255 AS	4750	14.6	16.0
			5000	14.6	16.0
			5250	14.6	16.0
		$	6000	14.6	16.0
		$	6500	14.6	16.0
F250 4X2 SCS	4R100	P255 AS	5000	14.1	15.5
			5250	14.1	15.5
		$	6000	14.1	15.5
		$	6500	14.1	15.5
		LT245 AS	5000	12.6	13.9
			5250	12.6	13.9
		$	6000	12.6	13.9
		$	6500	12.6	13.9
F250 4X4	4R100	LT245	5250	14.8	16.2
			5500	14.8	16.2
		$	6000	14.8	16.2
		$	6500	14.8	16.2

* - ETW/ALVW
$ - ALVW

Body	Trans	Tire	ETW	Non -A/C DPA	A/C DPA
F150 4X4 RCL/SCL RCS/RCSF	4R100	P 235	4750	17.2	18.6
			5000	17.2	18.6
			5250	17.2	18.6
			5500	17.2	18.6
		$	6000	17.2	18.6
		Other P-metr	4750	18.7	20.1
			5000	18.7	20.1
			5250	18.7	20.1
			5500	18.7	20.1
		$	6000	18.7	20.1
		LT 245	4750	16.0	17.4
			5000	16.0	17.4
			5250	16.0	17.4
			5500	16.0	17.4
		$	6000	16.0	17.4
		LT 265	4750	15.6	17.0
			5000	15.6	17.0
			5250	15.6	17.0
			5500	15.6	17.0
		$	6000	15.6	17.0
F150 4X4 SCS/SCSF	4R100	P235	4750	16.6	18.0
			5000	16.6	18.0
			5250	16.6	18.0
			5500	16.6	18.0
		$	6000	16.6	18.0
		Other P-metr	4750	15.3	16.7
			5000	15.3	16.7
			5250	15.3	16.7
			5500	15.3	16.7
		$	6000	15.3	16.7
		LT 245	4750	15.4	16.8
			5000	15.4	16.8
			5250	15.4	16.8
			5500	15.4	16.8
		$	6000	15.4	16.8
		LT 265	4750	15.0	16.4
			5000	15.0	16.4
			5250	15.0	16.4
			5500	15.0	16.4
		$	6000	15.0	16.4