State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-752
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 1998 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: WFMXT02.5AAA Displacement: 2.5 Liters (154 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converters (two)
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) TLEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.125	3.4	0.4	0.015	10.0
	100,000	0.156	4.2	0.6	0.018	n/a

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

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.079	1.0	0.1	0.001	4.6
	100,000	0.096	1.3	0.2	0.001	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 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 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.

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.).

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 29th day of July 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

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1998 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ___ of___
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Eng. Family WFMXT02.5AAA
Evap Std: 100K X Useful Life with R/L X Evap Engine Family: WFMXE0105B1E
Exh Std: Tier-0___ Tier-1___ TLEV X LEV___ ULEV___ ZEV___; EPA Tier-0___ Tier-1___
Veh Class(es): PC___ LDT1 X LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___
NMOG Test Proc: Equiv R/L Test Proc: Point Source ORVR: NO
Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40 CFR 86.113-90__ or -94__
M85___ CNG___ LPG___ Other (specify)___
Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Gasoline X Diesel___ M85___
CNG___ LNG___ LPG___ Other (specify)___
Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___
Engine Configuration: I-4 Displacement: 2.5 / ___ Liter 154 / ___ Cubic Inches
Engine: Front X Mid.___ Rear___ Drive: FWD___ RWD X 4WD-FT___ 4WD-PT___
Exhaust ECS & Special Features (EG., EGR, MFI, TC, CAC): EGR, TWC(1) SFI, HO2S(2)
Service Accum: Mod. AMA (Use abbreviations per SAE J1930 Sep 91)

Engine Code/ CALIF		Veh. Models (all models are 4x2 *)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA #	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212-
2.5L								
849TR00	N	MAZDA SC SWB	M	3500@	11.3	F87F-TA	F57E--BA	F87A--BD
	A	MAZDA SC SWB	"	3625	12.4	"	"	"
	N	MAZDA RC SWB	"	3375	11.3	"	"	"
	A	MAZDA RC SWB	"	3375@	12.4	"	"	"
	N	RANGER SC SWB	"	3500	11.3	"	"	"
	A	RANGER SC SWB	"	3625	12.4	"	"	"
	N	RANGER RC SWB	"	3375	11.3	"	"	"
	N	RANGER RC LWB	"	3375	11.3	"	"	"
	A	RANGER RC SWB	"	3375	12.4	"	"	"
	A	RANGER RC LWB	"	3500	12.4	"	"	"

Same DPA for all tires (P205/75R14, P225/70R15)
* RC = REGULAR CAB, SC = SUPER CAB, SWB = Short Wheel Base, LWB = Long Wheele Base
@ Test at next higher ETW

Certification Standards

	50K/100K
NMOG:	0.125/0.156
CO:	3.4/4.2
NOx:	0.4/0.6
HCHO:	0.015/0.018
ENH EVAP:	2.5/2.0/.05
COLD CO:	10.0

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SUPPLEMENTAL DATA SHEET

Engine Code/ CALIF	Veh. Models (all models are 4x2 *)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA #	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212-
2.5L							
849TR06 N	MAZDA RC SWB	M	3375	11.3	F87F-TC	F57E--BA	F87A--BD
A	MAZDA RC SWB	"	3375@	12.4	"	"	"
N	MAZDA SC SWB	"	3625	11.3	"	"	"
A	MAZDA SC SWB	"	3625	12.4	"	"	"
N	MAZDA SC4DSWB	"	3625@	11.3	"	"	"
A	MAZDA SC4DSWB	"	3750	12.4	"	"	"
N	RANGER RC SWB	"	3375	11.3	"	"	"
N	RANGER RC LWB	"	3375	11.3	"	"	"
A	RANGER RC SWB	"	3375	12.4	"	"	"
A	RANGER RC LWB	"	3500	12.4	"	"	"
N	RANGER SC SWB	"	3500@	11.3	"	"	"
A	RANGER SC SWB	"	3625	12.4	"	"	"
N	RANGER SC4SWB	"	3625	11.3	"	"	"
A	RANGER SC4SWB	"	3750	12.4	"	"	"

Same DPA for all tires (P205/75R14, P225/70R15)
* RC = REGULAR CAB, SC = SUPER CAB, SWB = Short Wheel Base, LWB = Long Wheele Base
SC4D = SUPER CAB 4 Door, SC4 = SUPER CAB 4 Door
@ Test at next higher ETW

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	50K/100K
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ISSUED:
REVISED:

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N	RANGER SC SWB	"	3500@	11.3	"	"	"
A	RANGER SC SWB	"	3625	12.4	"	"	"
N	RANGER SC4SWB	"	3625	11.3	"	"	"
A	RANGER SC4SWB	"	3750	12.4	"	"	"
850TR06 N	MAZDA RC SWB	A	3375@	11.3	F87F-VC	F57E--BA	F87A--BD
A	MAZDA RC SWB	"	3500	12.4	"	"	"
N	RANGER RC SWB	"	3500	11.3	"	"	"
N	RANGER RC LWB	"	3500	11.3	"	"	"
A	RANGER RC SWB	"	3500	12.4	"	"	"
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