(Page 1 of 3)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-833 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: Low-Emission Vehicle (LEV)

Fuel Type (Certification Fuel): Gasoline (Indolene)

Engine Family: XFMXT03.02GC Displacement: 3.0 Liters (183 Cubic Inches)

Exhaust Emission Control Systems and 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 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:

Loaded Vehicle <u>Weight (lbs.)</u>	<u>Miles</u>	NMOG	<u>C0</u>	<u>N0x</u>	<u>нсно</u>	CO (20°F)
3751-5750	50,000 100,000	0.100 0.130	4.4 5.5	0.4	0.018 0.023	12.5 n/a

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

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	<u>NOx</u>	нсно	CO (20°F)
3751-5750	50,000 100,000	0.063 0.072	0.7	0.1 0.1	0.002 0.002	6.0 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 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 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

day of July 1998.

R. B. Summerfield, Chief

Mobile Source Operations Division

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

Manufacturer Ford Motor Company Exh. Eng. Fam.: XFMXT03.02GC Evap. Fam.: XFMXE0155BBE
Engine Code Types: CA_XXX 49S50S 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_XXX_ MDV1 MDV2 MDV3 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 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
Engine Configuration V-6 Displacement: 3.0 L (183 in 3)
Valves/Cyl: <u>02</u> Rated HP: <u>150 @ 5000</u> RPM
Engine: Front_XXXMidRearDrive: Fwd_XXXRWD4WD-FT4WD-PT
Exhaust Control System and Special Features 2TWC, 2HO2S(2), EGR, SFI, (Use abbreviations per SAE J1930 SEP91)
EngineCode Vehicle Models Trans. Ignition EGR Catalytic A-Auto Part No System Converter
A-Auto Part No System Converter (California) M-Man ETW DPA (PCM) Part No Part No
PLAABCBA Windstar Van & Wgn A4 4000 * XF2F-DA XF2E-AA XF22-HA PLAABCBA Windstar Van & Wgn A4 4250 * PLAABCBA Windstar Van & Wgn A4 4500 *
PLAABCBN Windstar Van A.4 4000 *

Engine Family: XFMXT03.02GC

Issued: JUN 08 1998 Revised:

^{*} See page 20.09.17.02 - 2 for DPA Values

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