State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-932
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 the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below:

Model Year: 2001

Vehicle Type: 5751-8500 Pound Test Weight Medium-Duty Vehicle

Exhaust Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline (Indolene)

Test Group: 1FMXT05.4RF7

Engine Displacement: 5.4 Liters

Evaporative Family (Evap):
1. 1FMXE0155BBF
2. 1FMXE0155BBG
3. 1FMXE0155BAF
4. 1FMXE0155BAG

Special Features and Exhaust Emission Control Systems (ECS):

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

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

Models Covered:

ECS I / Evap 1: Ford Expedition 2WD
ECS I / Evap 2: Ford Expedition 2WD/4WD;
Lincoln Navigator 2WD/4WD
ECS I / Evap 3: Ford F-150 Pickup 2WD/4WD Short Wheelbase (auto)
ECS I / Evap 4: Ford F-150 Pickup 2WD/4WD Long Wheelbase (auto)
ECS II/ Evap 4: Ford E-150 Club Wagon; Ford E-150 Econoline 2WD;
Ford E-250 Econoline 2WD; Ford E-350 2WD

The exhaust certification emission levels and standards, in grams per mile, of non-methane organic gases (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) for the listed vehicle models are as follows. The NMOG exhaust certification emission levels include application of the reactivity adjustment factor (RAF) as specified.

The evaporative hydrocarbon (HC) certification emission levels and standards for three-day diurnal plus hot soak (3D) and two-day diurnal plus hot soak (2D) in grams per test, running loss (RL) in grams per mile, and onboard refueling vapor recovery (ORVR) in grams per gallon of fuel dispensed, for the listed vehicle models are as follows.

	Type of Emissions	Miles	Certification Level	Certification Standards
EXHAUST @ NMOG RAF = 1.00				
.....	NMOG	50,000	0.108	0.195
	NMOG	120,000	0.147	0.280
	CO	50,000	1.1	5.0
	CO	120,000	1.7	7.3
	NOx	50,000	0.2	0.6
	NOx	120,000	0.3	0.9
	NOx (highway)	50,000	0.1	1.2
	NOx (highway)	120,000	0.3	1.8
	HCHO	50,000	0.001	0.022
.....	HCHO	120,000	0.002	0.032
.....	CO (20°F)	50,000	7.0	12.5
	NMOG (50°F)	4,000	n/a	0.390
	CO (50°F)	4,000	n/a	5.0
	NOx (50°F)	4,000	n/a	0.6
	HCHO (50°F)	4,000	n/a	0.044

EVAPORATIVE		Evap 1 & 2	Evap 3 & 4	Evap 1 & 3	Evap 2 & 4
HC-2D	120,000	1.0	1.4	2.5	3.0
HC-3D	120,000	1.1	1.4	2.0	2.5
HC-RL	120,000	0.005	0.01	0.05	0.05
ORVR	120,000	n/a	n/a	n/a	n/a

BE IT FURTHER RESOLVED: That any "Vehicle Equivalent Debit" in the manufacturer's medium-duty vehicle phase-in compliance plan shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the 50° Fahrenheit testing requirement for the listed vehicle models has been met based on the compliance plan submitted by the manufacturer in lieu of actual testing.

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 vehicle models, the manufacturer has attested to compliance with the following California emission regulations and requirements. Vehicles certified under this Executive Order shall conform to all applicable California emission regulations and requirements.

- Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks (Title 13, California Code of Regulations, Section 2235.)

- Motor Vehicle Emission Control and Smog Index Label Specifications (Title 13, California Code of Regulations, Section 1965.)

- Emission Control System Warranty (Title 13, California Code of Regulations, Sections 2035 et seq.)

- High-Altitude Requirements and California Inspection and Maintenance Emission Standards (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles.)

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 22 day of December 1999.

John Henderson for
R. B. Summerfield, Chief
Mobile Source Operations Division