State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-1002

Relating to Certification of New Heavy-Duty Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 2001 model-year Ford Motor Company motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) greater than 14,000 pounds are certified using Otto-cycle engines listed below:

Fuel Type: Compressed Natural Gas (CNG)

Engine Manufacturer	Engine Family	Engine Displacement Liters (Cubic Inches)		Engine Model Year and Certification Executive Order No.	
Ford Motor Company	1FMXH05.4CP5	5.4	(326)	2001	A-10-1001

Engine and vehicle models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

Non-methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
1.7	37.1	0.5

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

Non-methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0.1	6.7	0.1

BE IT FURTHER RESOLVED: That the listed vehicle models are certified to the optional lower-emission Oxides of Nitrogen standards pursuant to Title 13, California Code of Regulations, Section 1956.8(c)(1).

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has submitted 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 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).

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 attachments.

Executed at El Monte, California this 15TH day of February 2001.

FOR
R. B. Summerfield, Chief
Mobile Source Operations Division

ATTACHMENT

2001 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Ford Motor Company

Executive Order: A - 10 - 1002

Evaporative Emission Family: 1FMXR0000ZYK

Exh. Engine Family: 1FMXH05.4CP5

Evap Calibration: R00

2001 Light Duty Truck (Greater than 14,000 # GVWR)
Fuel Tank Availability

MODEL TYPE	LOCATION/VOLUME CODE MID-SHIP	AFT-OF-AXLE	INCR SIZE
E-450 Super Duty Cutaway NGV 176"	CX * 2/		

Tank Material:	Steel (SD, SW, SX, & SZ) Type I - Steel Cylinder (CX)
Liner Configuration:	None (All)
Vapor Control Baffles:	None (All)

* Standard Tank (s)
1/ Optional Aft-of-Axle Tank
2/ 1 Midship + 2 Aft-of-Axle Tank (Std)
3/ Optional Mid-Ship Fuel Tank In-Lieu-Of Standard Tank (DRW Only)
4/ Optional Dual Mid-Ship Fuel Tank
5/ Optional Dual Mid-Ship Fuel Tanks (SZ + SX) In-Lieu-Of Standard Tank

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Executive Order: A-10-1002

Evaporative Emission Family: 1FMXR0000ZYK

Exh Engine Family 1FMXH05.4CP5

Evap Calibration: R00

2001 Light Duty Truck (Greater than 14,000 # GVWR)
Fuel Tank Capacities

FUEL TANK VOLUME CODE	NOMINAL FUEL TANK CAPACITY (LITERS/GALLONS) 9.02.02.02	USEABLE 40% FILL (GALLONS) 9.02.02.03	VAPOR VOLUME CUBIC FT @ 40% FILL 9.02.02.04
→ CX	2085/16.9 * / 2368/19.2 **	NA	NA
SD	140.5/37.1	14.9	4.0
SM	283/.9/75.0	30.0	9.2
SW	136.3/40	14.4	4.4
SX	70.8/18.7	7.5	1.9
SZ	69.7/18.4	7.4	2.1
TM	208.2/55.0	22.0	5.9

NOTE : * Nominal Cu Ft of Natural Gas @ 3000 PSI / Gasoline Gallon Equivalent of Natural Gas (at 70 degrees F)

** Nominal Cu Ft of Natural Gas @ 3600 PSI / Gasoline Gallon Equivalent of Natural Gas (at 70 degrees F)