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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-989

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

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 the following 2001 model-year Ford Motor Company Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Gasoline

Engine Family	Engine Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems and Special Features
1FMXH05.4CF5	5.4 (326)	Sequential Multiport Fuel Injection Dual Heated Oxygen Sensors Heated Oxygen Sensor Three Way Catalytic Converter

Engine models and codes are listed on attachments.

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
1.9	37.1	4.0

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0.1	2.2	1.0

BE IT FURTHER RESOLVED: That for the listed engine 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 engine 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, Sections 1965).

Engines 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 5th day of July 2000.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. # A-10-989

2001 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY DUTY OTTO-CYCLE ENGINES

Manufacturer: Ford Motor Company Engine Family: 1FMXH05.4CF5

Displacement: 5.4 Liter 326 Cubic Inches

All Eng Codes in Eng Family: CA__ 49S X 50S X

Fuel Type(s): Dedicated X Flex Fuel__ Dual-Fuel__ Bi-Fuel__ Gasoline X CNG__

LNG __ LPG __ M85 __ M100__ Other (specify)_____

Maximum Rated Power: 255 HP @ 4500 RPM E-Series Engine Configuration V8

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

Engine Model (Engine Code)	Ign. System or PCM Part No. -12A650-	Fuel System Injector Part No. -9F593-	Catalyst Part No. -5E212-	
1E414N0A05	1C2F-PB	F0TE-DB	YC2C-JA YC2C-HA	(complete vehicle) (incomplete vehicle)
1E414Y0505	1C2F-TB	F0TE-DB	YC2C-DB	

Comments:

Engine Family: 1FMXH05.4CF5
Issued: June 7, 2000
Revised: