California Environmental Protection Agency AIR RESOURCES BOARD	FORD MOTOR COMPANY	EXECUTIVE ORDER A-010-1144 New On-Road Heavy-Duty Motor Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following on-road motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

ENGINE DESCRIPTION							
MANUFACTURER	MODEL YEAR	EXECUTIVE ORDER	ENGINE FAMILY	INTENDED SERVICE CLASS	ENGINE SIZE (liter)	FUEL TYPE	STANDARDS & TEST PROCEDURE
FORD MOTOR COMPANY	2003	A-010-1143	3FMXH05.4CF5	HDO	5.4	Gasoline	Otto

L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy-duty Otto; CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas

Gasoline, LPG or Alcohol Vehicles Only				
EVAPORATIVE FAMILY	FUEL TANK CAPACITY (gallons)	VEHICLE MODEL YEAR	VEHICLE MAKE & MODELS	ENGINE MODELS / CODES (rated power in horsepower, hp)
		2003		
3FMXE0310BAJ	55	Ford E-450 Stripped Chassis		3E414Y0505 (255 hp)
*	*	*		*
*	*	*		*
*	*	*		*

The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) in grams per brake horsepower-hour (g/bhp-hr) for this engine family for hydrocarbon (HC) or non-methane HC (NMHC), oxides of nitrogen (NOx), or NMHC+NOx, carbon monoxide (CO) [except that "diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Part 86, Subpart A, Section 86.091-23(c)(2)(i) in lieu of testing], particulate matter (PM), and formaldehyde (HCHO) under the "Federal Test Procedure" (FTP) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)): (For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR Section 1956.1 or 1956.8 are in parentheses.)

* = not applicable [g/bhp-hr]	HC	NMHC	NOx	NMHC+NOx	CO	PM	HCHO
(DIRECT) STANDARD	1.9	*	4.0	*	37.1	*	*
CORPORATE AVERAGE STANDARD	*	*	*	*	*	*	*
FAMILY EMISSION LIMIT (FEL)	*	*	*	*	*	*	*
CERTIFICATION LEVEL	0.3	*	0.9	*	3.7	*	*

BE IT FURTHER RESOLVED: That certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), 1976(b)(1)(B) and (C) {evaporative emission standards}, 2035 et seq. (emission control warranty), and 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces { } are for gasoline, LPG or alcohol fueled vehicles only. The brackets [ ] are for gasoline or alcohol fueled vehicles only.)

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 15TH day of July 2002.

Allen Lyons, Chief
Mobile Source Operations Division

SUPERSEDED

E.O. # A-010-1144

ATTACHMENT

2003 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY DUTY OTTO-CYCLE ENGINES

Manufacturer: Ford Motor Company Engine Family: 3FMXH05.4CF5

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, 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-
E-450 Stripped Chassis (55.0gal)[1]			
3E414Y0505	3C2A-CB	F0TE-DB	3C24-CA

[1] EVAP family 3FMXE0310BAJ

Comments:

SUPERSEDED

Test Group: 3FMXH05.4CF5
Issued: June 7, 2002
Revised: