California Environmental Protection Agency AIR RESOURCES BOARD	FORD MOTOR COMPANY	EXECUTIVE ORDER A-010-1140 New Diesel or Incomplete Medium-Duty Vehicles Using Certified Engines

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 diesel or incomplete medium-duty vehicles with a manufacturer's gross vehicle weight rating (GVWR) from 8,501 to 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	EMISSION STANDARD CATEGORY	ENGINE SIZE (liter)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas)	STANDARDS & TEST PROCEDURE
FORD MOTOR COMPANY	2003	A-010-1139	3FMXH05.4TH5	ULEV	5.4	Gasoline	Otto

Gasoline, LPG or Alcohol Vehicles Only		VEHICLE MODEL YEAR	ON-BOARD DIAGNOSTIC	
EVAPORATIVE FAMILY	FUEL TANK CAPACITY (gallons)	2003	Full Compliance	ENGINE MODELS / CODES (rated power in horsepower, hp)
		VEHICLE MAKE & MODELS		
3FMXE0155BAH	37	Ford: E-350 Cutaway, E-350 Cutaway Extended, E-350 Strip Chassis		3E414R0B05, 3E414X0505 (255 hp)
3FMXE0310BAH	55	Ford: E-350 Strip Chassis, E-350 Cutaway		3E414U0B05 (255 hp)
3FMXE0155BAH	18.4 / 40	Ford F-350 Narrow Frame Chassis Cab		3F714N0B05 (260 hp)
3FMXE0155BBH	29.6	Ford F-250/F-350 Short Bed Delete		3F714G0B05 (260 hp)
3FMXE0155BBH	37.4	Ford F-250/F-350 Long Bed Delete		3F714F0B05 (260 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 non-methane hydrocarbon (NMHC) plus oxides of nitrogen (NOx) (NMHC+NOx), NMHC, carbon monoxide (CO) [except that "diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Section 86.091-23(c)(2)(i) in lieu of testing], particulate matter (PM), and formaldehyde (HCHO) (Title 13, California Code of Regulations, (13 CCR) Section 1956.8): (For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel.)

* = not applicable [g/bhp-hr]	NMHC+NOx	NMHC	CO	PM	HCHO
(DIRECT) STANDARD	2.5	*	14.4	*	0.050
CORPORATE AVERAGE STANDARD	*	*	*	*	*
FAMILY EMISSION LIMIT (FEL)	*	*	*	*	*
CERTIFICATION LEVEL	1.1	*	2.2	*	0.005

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 the listed engine models have been certified to the optional emission standards and test procedures in 13 CCR Section 1956.8 applicable to diesel or incomplete medium-duty vehicles with a GVWR from 8,501 to 14,000 pounds and, therefore, shall be subject to 13 CCR Section 2139(c) (in-use testing of engines certified for use in diesel or incomplete medium-duty vehicles with a 8,501-14,000 pound GVWR).

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), 1968.1 (on-board diagnostic, full or partial compliance), 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 3RD day of July 2002.

Allen Lyons, Chief
Mobile Source Operations Division

SUPERSEDED

ATTACHMENT

E.O. # A-010-1140

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

Manufacturer: Ford Motor Company Engine Family: 3FMXH05.4TH5

Displacement: 5.4L Liter 326 Cubic Inches

All Eng Codes in Eng Family: CA X 49S__ 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: 260 HP @ 4500 RPM F-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-
F-Series			
F-350 4x2, 4x4, Chassis Cab, Narrow Frame (40gal, or optional 18.4gal) [1] 3F714N0B05	3C3A - DB	F0TE-DB	2C2C-HC
F-250/350 4x2, 4x4, Long Bed Delete (37.4 gal) [2] 3F714F0B05	3C3A - AB	"	"
F-250/350 4x2, 4x4, Short Bed Delete (29.6 gal) [2] 3F714G0B05	3C3A - BB	"	"

[1] Evap Family 3FMXE0155BAH

[2] Evap Family 3FMXE0155BBH

Comments:

Engine Family: 3FMXH05.4TH5
Issued: May 30, 2002
Revised:

SUPERSEDED

ATTACHMENT

E.O. # A-010-1140

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

Manufacturer: Ford Motor Company Engine Family: 3FMXH05.4TH5

Displacement: 5.4L Liter 326 Cubic Inches

All Eng Codes in Eng Family: CA X 49S__ 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-
E-Series			
E-350 Strip Chassis, E350 Cutaway (37gal) [1] 3E414R0B05	3C2A - DB	F0TE-DB	1C2C-CB
E-350 Strip Chassis, E350 Cutaway (55gal) [2] 3E414U0B05	3C2A - EB	"	"
E-350 Cutaway Extended (37gal) [1] 3E414X0505	3C2A - FB	"	"

[1] Evap Family 3FMXE0155BAH

[2] Evap Family 3FMXE0310BAH

Comments:

SUPERSEDED

Engine Family: 3FMXH05.4TH5
Issued: May 30, 2003
Revised: