California Environmental Protection Agency AIR RESOURCES BOARD	FORD MOTOR COMPANY	EXECUTIVE ORDER A-010-1138 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-010-1137	3FMXH06.8TH5	ULEV	6.8	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	18.4 / 40	Ford F-350 Narrow Frame Chassis Cab		3F718M0B05, 3F717M0B05, 3F718T0B05, 3F717T0B05 (310hp)
3FMXE0155BAH	37	Ford: E-350 Cutaway, E-350 Strip Chassis		3E418Q0B05 (305 hp)
3FMXE0155BBH	29.6	Ford F-250/F-350 Short Bed Delete		3F718S0B05, 3F717S0B05 (310 hp)
3FMXE0155BBH	37.4	Ford F-250/F-350 Long Bed Delete		3F718R0B05, 3F717R0B05 (310 hp)
3FMXE0310BAH	55	Ford: E-350 Cutaway, E-350 Strip Chassis		3E418R0B05 (305 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	1.0	*	3.9	*	0.003

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

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2003 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Ford Motor Company

Executive Order A-010-1138

Evaporative Emission Families: 3FMXE0155BAH, 3FMXE0310BAH, 3FMXE0155BBH
Evap Calibration: R00

Fuel Tank Availability Summary
(Refer to Common Section 12.02.01.00)

Model Type	Nominal Fuel Tank Capacity (gal)	
E-350 Strip Chassis	Standard	37.0 [1]
	Optional	55.0 [3]
E-350 Cutaway	Standard	37.0 [1]
	Optional	55.0 [3]
F-350 Narrow Frame Chassis Cab	Standard	40.0 [1]
	Optional	18.4 [1]
F-250/350 Long Bed Delete	Standard	37.4 [2]
F-250/350 Short Bed Delete	Standard	29.6 [2]

[1] Evap Family 3FMXE0155BAH

[2] Evap Family 3FMXE0155BBH

[3] Evap Family 3FMXE0310BAH

Engine Family: 3FMXH06.8TH5
Issued: May 23, 2003
Revised:

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E.O. # A-010-1138

2003 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
INCOMPLETE or MEDIUM-DUTY VEHICLE ENGINES
CERTIFIED USING HEAVY DUTY ENGINE TEST PROCEDURES

Manufacturer: Ford Motor Company Engine Family: 3FMXH06.8TH5

Displacement: 6.8L / ____ Liter 417 / ____ Cubic Inches

All Eng Codes in Eng Family: CA___ 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: 310 HP @ 4250 RPM F-Series Incomplete Engine Configuration V10

Maximum Rated Power: 305 HP @ 4250 RPM E-Series Incomplete Engine Configuration V10

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 Injtr Part No. -9F593-	Catalyst Part No. -5E212-
Initial Certification			
F-350 Chassis Cab (40gal)[1]			
3F718M0B05	3C3A-XB	XL2E-CA	YC3C-CC
3F717M0B05 (w/PTO)	3C3A-KB	"	"
F-250/F-350 Long Bed Delete (37.4gal)[2]			
3F718R0B05	3C3A-ABB	"	"
3F717R0B05 (w/PTO)	3C3A-NB	"	"
F-250/F-350 Short Bed Delete (29.6gal)[2]			
3F718S0B05	3C3A-ACB	"	"
3F717S0B05 (w/PTO)	3C3A-PB	"	"
F-350 Chassis Cab (18.4gal)[1]			
3F718T0B05	3C3A-ADB	"	"
3F717T0B05 (w/PTO)	3C3A-RB	"	"
E-350 Cutaway (37.0gal)[1]			
3E418Q0B05	3C2A-LB	XL2E-CA	YC2C-GA
E-350 Cutaway (55.0gal)[3]			
3E418R0B05	3C2A-MB	"	"

310 hp.

305 hp

[1] EVAP family 3FMXE0155BAH

[2] EVAP family 3FMXE0155BBH

[3] EVAP family 3FMXE0310BAH

Comments:

Test Group: 3FMXH06.8TH5
Issued: May 23, 2002
Revised: