State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-484
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-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1992 model Otto-cycle engine is certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Gasoline

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
NFM07.5BSB6	7.5	460	Three-Way Catalyst Secondary Air Injection Exhaust Gas Recirculation Heated Oxygen Sensor Multipoint Electronic Fuel Injection

Engine models and codes are listed on attachments.

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
1.9	37.1	5.0

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
NFM07.5BSB6	0.6	18.7	3.8

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.).

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 11th day of June, 1991.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-484

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company

Engine Family NFM07.5BS86 (N7.5B)

Evaporative Family HN

Engine Type V-8

Liters (CID) 7.5L (460)

ABBREVIATIONS:

Ignition System

DLI-Distributorless Ignition
EI-Electronic Ignition
PCME-Powertrain Control Module

Special Features

MIL-Malfunction Indicator Light
OBD-On Board Diagnostics

Exhaust Emissions Control System

AIR-Secondary Air Injection
ECTS-Engine Coolant Temp Sensor
EGR-Exhaust Gas Recirculation
EM-Engine Modification
HO2S-Heated Oxygen Sensor
KS-Knock Sensor
MAP-Manifold Absolute Pressure Sensor
OC-Oxidation Catalyst
O2S-Oxygen Sensor
SABV-Secondary Air Bypass Valve
SASV-Secondary Air Switching Valve
SPL-Smoke Puff Limiter
TOC-Trap Oxidizer: Continuous
TOP-Trap Oxidizer: Periodic
TPS-Throttle Position Sensor
TWC-Three Way Catalyst
TWC+OC-Three Way Catalyst Plus Oxidation Catalyst
WUOC-Warm Up Oxidation Catalyst
WUTWC-Warm Up Three Way Catalyst

Fuel System

DI-Direct Injection (Diesel)
EIC-Electronic Injection Control (Diesel)
IC-Intercooler or Aftercooler
IDI-Indirect Diesel Injection
MPI-Multipoint Electronic Fuel Injection
SC-Supercharged
SMPI-Sequential Multipoint Electronic Fuel Injection
TAA-Turbocharged, Air to Air (Diesel)
TAW-Turbocharged, Air to Air to Water (Diesel)
TBI-Throttle Body Electronic Fuel Injection

VEHICLE MODELS: F450

Engine: Front XXX Mid ___ Rear ___
Drive: FWD ___ RWD XXX 4WD Full Time ___ 4WD Part Time ___

Engine Family: N7.5B

Issue Date	4-22-91						
Revised							

20.17.02.00-1

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E.O. # A-10-484

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY DUTY ENGINES

Manufacturer Ford Motor Company Engine Family NFM07.5BSB6 (N7.5B)

Liters (CID) 7.5L (460) Fuel Type Gasoline Engine Config. V-8

Emission Control Sys. (Special Features) AIR/EGR/HO2S/MPI/T W/L
(Use abbreviations per SAE J1930 Jun88)

Engine Code	Rated HP @ RPM	Ign. System or PCME Part No. -12A650-	Fuel System Part No. -9F593-	EGR Valve Part No. -9F483-	Catalyst Part No. -5E212-
1-97A-R00	218 @ 3600	F2TF-KA	F1TE-DA	E7TE-GA F2TE-FA	E8TA-LA
1-98B-R00	218 @ 3600	F2TF-HA	F1TE-DA	E7TE-GA F2TE-FA	E8TA-LA
1-98F-R00	218 @ 3600	F2TF-AA	F1TE-DA	E7TE-GA F2TE-FA	E8TA-LA
2-98B-R10	218 @ 3600	F2TF-HB	F1TE-DA	E7TE-GA F2TE-FA	E8TA-LA

Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for evaporative emission family identification.

Engine Family: N7.5B

Issue Date	4-22-91						
Revised	10-21-91	12-19-91					

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