State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-723
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That Ford Motor Company 1997 model-year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: VFM5.4J8G1FK Displacement: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Dual Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors (two)
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
5751-8500	50,000	0.39	5.0	1.1	12.5
	120,000	0.56	7.3	1.53	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
5751-8500	50,000	0.11	1.2	0.4	2.6
	120,000	0.13	1.7	0.53	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves 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.).

Vehicles 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 attachment.

Executed at El Monte, California this 27th day of June 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-723

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM5.4J8G1FK

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1155AYPGB/PFB VFM1160AYMGD/MFD

Exh Std: Tier-0___ Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ EPA TIER-0___ TIER-1___

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use___

R/L test proc.: Point Source

Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 X MDV4___ MDV5___

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1,MDV1,MDV2,MDV3,MDV4)

Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40CFR 86.113-90___ or -94___
M85___ CNG___ LPG___ Other (specicy)

Fuel Type(s): Dedicated___ Flex Fuel___ Dual-Fuel___
Gasoline X Diesel___ M85___ CNG___ LPG___ Other (specify)___

Hybrid: Type A___ B___ C___, APU Cycle (eg.., Otto, Diesel, Turbine)___

Engine Config V-8 Displacement: 5.4L (326) Liters (Cubic Inches)
235 @ 4250 (F250)

Valves/Cyl: 2 Rated HP: 230 @ 4250 (Expedition) RPM

Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

Service Accum.: Mod AMA

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

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
746TR00A	F250 4X2	A			F75C-VA	F75E-AD	F75A-AD F75A-AF
	RKL		6000/6500	13.2			
	RKL		6000/6500	14.5*			
	SKS		6000/6500	13.2			
	SKS		6000/6500	14.5*			
	F250 4X4	"			"	"	"
	RKL		6000/6500	14.8			
	RKL		6000/6500	16.2*			
	SKS		6000/6500	14.8			
	SKS		6000/6500	16.2*			
746UR00A	Expedition 4X2	"	6000	13.8/14.1@	F75C-ADA	"	"
	Expedition 4X4	"	6500	15.6/16.0@ /16.2#	"	"	"

* with air conditioning
@ with P255/70R16 A-T tires
# with P265/70R17 A-T tires

ENGINE FAMILY: VFM5.4J8G1FK
ISSUED:
REVISED: JUN 07 1996

E.O.# A-10-723

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM5.4J8G1FK
VFM115SAYPGB/PFB

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1160AYMGD/MFD

Exh Std: Tier-0___ Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ EPA TIER-0___ TIER-1__

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use__

Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2_ MDV3 X MDV4___ MDV5__

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1,MDV1,MDV2,MDV3,MDV4)

Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40CFR 86.113-90___ or -94__
M85___ CNG___ LPG___ Other (specicy)
Fuel Type(s): Dedicated___ Flex Fuel___ Dual-Fuel___
Gasoline X Diesel___ M85___ CNG___ LPG___ Other (specify)_____
Hybrid: Type A___ B___ C___, APU Cycle (eg.., Otto, Diesel, Turbine)_____
Engine Config V-8 Displacement: 5.4L (326) Liters (Cubic Inches)
235 @ 4250 (F250)
Valves/Cyl: 2 Rated HP: 230 @ 4250 (Expedition) RPM
Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

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

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
746TR07A	F250 4X2	A			F75F-VD	F75E-AD	F75A-AD F75A-AF
	RKL (6950/7700 GVW)		6000/6500	13.2			
	RKL (6950/7700 GVW)		6000/6500	14.5*			
	SKS (6800/7500 GVW)		6000/6500	13.2			
	SKS (6800/7500 GVW)		6000/6500	14.5*			
	F250 4X4	"			"	"	"
	RKL (7200/7700 GVW)		6000/6500	14.8			
	RKL (7200/7700 GVW)		6000/6500	16.2*			
	SKS (7200/7700 GVW)		6000/6500	14.8			
	SKS (7200/7700 GVW)		6000/6500	16.2*			
746UR07A	Expedition 4X2	"	6000	13.8/14.1@	F75F-ADD	"	"
	Expedition 4X4	"	6500	15.6/16.0@ /16.2#	"	"	"

* with air conditioning
@ with P255/70R16 A-T tires
# with P265/70R17 A-T tires

E.O.# A-10-723

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM5.4J8G1FK

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1155AYPGB/PFB VFM1160AYMGD/MFD

Exh Std: Tier-0___ Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ EPA TIER-0___ TIER-1__

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use__

Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2. MDV3 X MDV4___ MDV5__

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1,MDV1,MDV2,MDV3,MDV4)

Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40CFR 86.113-90___ or -94__
M85___ CNG___ LPG___ Other (specicy)

Fuel Type(s): Dedicated___ Flex Fuel___ Dual-Fuel___
Gasoline X Diesel___ M85___ CNG___ LPG___ Other (specify)_____

Hybrid: Type A___ B___ C___, APU Cycle (eg.., Otto, Diesel, Turbine)_____

Engine Config V-8 Displacement: 5.4L (326) Liters (Cubic Inches)
235 @ 4250 (F250)

Valves/Cyl: 2 Rated HP: 230 @ 4250 (Expedition) RPM

Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

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

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
746UR10A	Expedition 4X2	"	6000	13.2/13.4@	F75F-ADE	"	"
	Expedition 4X4	"	6500	15.6/16.0@ /16.2#	"	"	"

@ with P255/70R16 A-T tires
# with P265/70R17 A-T tires

ENGINE FAMILY: VFM5.4J8G1FK
ISSUED:
REVISED: FEB 14 1997

R/C 5.4-16

E.O.# A-10-723

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM5.4J8G1FK
VFM1155AYPGB/PFB
Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1160AYMGD/MFD

Exh Std: Tier-0___ Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ EPA TIER-0___ TIER-1__

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use__

Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2 MDV3 X MDV4___ MDV5__

Single Cert Std for Mul..i-Class Eng Fam: N/A (specify: N/A, LDT1,MDV1,MDV2,MDV3,MDV4)

Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40CFR 86.113-90___ or -94__
M85___ CNG___ LPG___ Other (specicy)
Fuel Type(s): Dedicated___ Flex Fuel___ Dual-Fuel___
Gasoline X Diesel___ M85___ CNG___ LPG___ Other (specify)_____
Hybrid: Type A___ B___ C___, APU Cycle (eg.., Otto, Diesel, Turbine)_____
Engine Config V-8 Displacement: 5.4L (326) Liters (Cubic Inches)
235 @ 4250 (F250)
Valves/Cyl: 2 Rated HP: 230 @ 4250 (Expedition) RPM
Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

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

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
746TR00A	F250 4X2	A			F75C-VA	F75E-AD	F75A-AD F75A-AF
	RKL (7700 GVWR)		6000	13.2			
	RKL (7700 GVWR)		6000	14.5*			
	SKS (6800 GVWR)		6000	13.2			
	SKS (7500 GVWR)		6000	13.2			
	SKS (7500 GVWR)		6000	14.5*			
	F250 4X4	"			"	"	"
	RKL (7700 GVWR)		6500	14.8			
	RKL (7200 GVWR)		6000	16.2*			
	RKL (7700 GVWR)		6000	16.2*			

* with air conditioning
@ with P255/70R16 A-T tires
# with P265/70R17 A-T tires

E.O.# A-10-723

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM5.4J8G1FK

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1155AYPGB/PFB VFM1160AYMGD/MFD

Exh Std: Tier-0___ Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ EPA TIER-0___ TIER-1___

Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use___

Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2_ MDV3 X MDV4___ MDV5___

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1,MDV1,MDV2,MDV3,MDV4)

Exh Cert Fuel(s): Indo X Ph2___ Diesel: 13 CCR 2282___ or 40CFR 86.113-90___ or -94___
M85___ CNG___ LPG___ Other (specicy)

Fuel Type(s): Dedicated___ Flex Fuel___ Dual-Fuel___
Gasoline X Diesel___ M85___ CNG___ LPG___ Other (specify)___

Hybrid: Type A___ B___ C___, APU Cycle (eg.., Otto, Diesel, Turbine)___

Engine Config V-8 Displacement: 5.4L (326) Liters (Cubic Inches)
235 @ 4250 (F250)

Valves/Cyl: 2 Rated HP: 230 @ 4250 (Expedition) RPM

Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

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

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
746TR07A	F250 4X2	A			F75C-VD	F75E-AD	F75A-AD F75A-AF
	RKL (7700 GVWR)		6000	13.2			
	RKL (7700 GVWR)		6000	14.5*			
	RKL (6950 GVWR)		6000	13.2			
	SKS (6800 GVWR)		6000	13.2			
	SKS (7500 GVWR)		6000	13.2			
	SKS (7500 GVWR)		6000	14.5*			
	F250 4X4	"			"	"	"
	RKL (7700 GVWR)		6500	14.8			
	RKL (7200 GVWR)		6000	16.2*			
	RKL (7700 GVWR)		6000	16.2*			

* with air conditioning
@ with P255/70R16 A-T tires
# with P265/70R17 A-T tires