State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-851
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 1999 model-year Ford Motor Company exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: XFMXA05.4JBN Displacement: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter
Dual Heated Oxygen Sensors
Heated Oxygen Sensor
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	Oxides of Nitrogen
5751-8500	50,000	0.39	5.0	1.1
	120,000	0.56	7.3	1.53

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Oxides of Nitrogen
5751-8500	50,000	0.23	1.9	0.1
	120,000	0.31	2.4	0.21

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

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 and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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 18th day of December 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

EO# A-10-851

Supplemental Data Sheet - DPA Summary

The 1999 DPA charts are currently under construction and will be forwarded to the ARB upon completion.

E.O.# A-10-851

Page 1

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: X FMXE0155B1H

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1 XXX TLEV___ LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 XX MDV4___ MDV5___

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

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline XXX Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify):___

Exh Emiss Test Fuel(s): Indo XXX CBG___ CNG___ LPG___ M85___ Other(specify):___
Diesel___ 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Evaporative Emission Test Procedure: California___ Federal XXX

Service Accum: Std AMA___ Mod AMA XXX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A XXX Std___ Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

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

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI, HO2S
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJA A/N		A			XC3F-ASA	F75E-CA	F8US-XX
	F250 4X2 Crew Cab Short		7500	*			
	F250 4X2 Crew Cab Long		7500				
	F250 4X2 Reg Cab Long		7000				
	F250 4X2 Super Cab Short		7500				
	F250 4X2 Super Cab Long		7500				
	F250 4X4 Crew Cab Short		7500				
	F250 4X4 Crew Cab Long		7500				
	F250 4X4 Reg Cab Long		7500				
	F250 4X4 Super Cab Short		7500				
	F250 4X4 Super Cab Long		7500				
	F350 4X2 Crew Cab Short		8000				
	F350 4X2 Crew Cab Long		8000				
	F350 4X2 Reg Cab Long		7500				
	F350 4X2 Super Cab Short		7500				
	F350 4X2 Super Cab Long		7500				

Refers to wheelbase

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJA A/N		A			XC3F-ASA	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000	*			
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

Refers to wheelbase

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1 XXX TLEV___ LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 XX MDV4___ MDV5___

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

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline XXX Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify):___

Exh Emiss Test Fuel(s): Indo XXX CBG___ CNG___ LPG___ M85___ Other(specify):___
Diesel___ 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Evaporative Emission Test Procedure: California___ Federal XXX

Service Accum: Std AMA___ Mod AMA XXX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A XXX Std___ Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

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

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI, HO2S
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJB A/N		A			XC3F-ASB	F75E-CA	F8US-XX
	F250 4X2 Crew Cab Short		7500	*			
	F250 4X2 Crew Cab Long		7500				
	F250 4X2 Reg Cab Long		7000				
	F250 4X2 Super Cab Short		7500				
	F250 4X2 Super Cab Long		7500				
	F250 4X4 Crew Cab Short		7500				
	F250 4X4 Crew Cab Long		7500				
	F250 4X4 Reg Cab Long		7500				
	F250 4X4 Super Cab Short		7500				
	F250 4X4 Super Cab Long		7500				
	F350 4X2 Crew Cab Short		8000				
	F350 4X2 Crew Cab Long		8000				
	F350 4X2 Reg Cab Long		7500				
	F350 4X2 Super Cab Short		7500				
	F350 4X2 Super Cab Long		7500				

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJB A/N		A			XC3F-ASB	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000	*			
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1 XXX TLEV___ LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 XX MDV4___ MDV5___

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

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline XXX Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify):___

Exh Emiss Test Fuel(s): Indo XXX CBG___ CNG___ LPG___ M85___ Other(specify):___
Diesel___ 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Evaporative Emission Test Procedure: California___ Federal XXX

Service Accum: Std AMA___ Mod AMA XXX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A XXX Std___ Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

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

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI, HO2S
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJC A/N		A			XC3F-ASC	F75E-CA	F8US-XX
	F250 4X2 Crew Cab Short		7500	*			
	F250 4X2 Crew Cab Long		7500				
	F250 4X2 Reg Cab Long		7000				
	F250 4X2 Super Cab Short		7500				
	F250 4X2 Super Cab Long		7500				
	F250 4X4 Crew Cab Short		7500				
	F250 4X4 Crew Cab Long		7500				
	F250 4X4 Reg Cab Long		7500				
	F250 4X4 Super Cab Short		7500				
	F250 4X4 Super Cab Long		7500				
	F350 4X2 Crew Cab Short		8000				
	F350 4X2 Crew Cab Long		8000				
	F350 4X2 Reg Cab Long		7500				
	F350 4X2 Super Cab Short		7500				
	F350 4X2 Super Cab Long		7500				

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJC A/N		A			XC3F-ASC	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000	*			
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

* See Section 20.09.17.03

E.O.# A-10-851

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XWFMXA05.4JBN Evap. Fam.: XWFMXE0155BAG

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1 XXX TLEV___ LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 XX MDV4___ MDV5___

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

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

Exh Emiss Test Fuel(s): Indo XXX CBG___ CNG___ LPG___ M85___ Other(specify):___
Diesel___ 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Evaporative Emission Test Procedure: California___ Federal XXX

Service Accum: Std AMA___ Mod AMA XXX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A XXX Std___ Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

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

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
846QR10 A/N		A			F8UF-TC	F75E-CA	F8US-XX
	E250 RVL		7000	*			
	E250 SVL		7000				
874UR10 A/N		"			F8UF-YC	"	"
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155BAG

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
874VR10 A/N					F8UF-ZC	*	*
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				
9VZA BLC A/N		*			XC2F-MC	*	*
	E150 CWL		6000 (non-A/C)				
	E150 CWL		6000 (A/C)				
	E150 RVL		6000				
	E250 RVL - 7200 GVW		6000				
	E250 RVL - 8600 GVW		7000				
	E250 RVL - 7900 GVW		6500				
	E250 SVL - 7300 GVW		6500				
	E250 SVL - 8600 GVW		7000				
	E250 SVL - 7500 GVW		6500				
875RR00 A/N		*			F8PF-ASA	*	*
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				
846MR00 A/N		*			F8PF-ARA	*	*
	E250 RVL		7000				
	E250 SVL		7000				

* See Section 20.09.17.03

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155BOH

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJAF A/N		A			XC3F-ASD	F75E-CA	F8US-XX
	F250 4x2 Crew Cab Short		7500	*			
	F250 4x2 Crew Cab Long		7500				
	F250 4x2 Reg Cab Long		7000				
	F250 4x2 Super Cab Long		7500				
	F250 4x2 Super Cab Short		7500				
	F250 4x4 Crew Cab Short		7500				
	F250 4x4 Crew Cab Long		7500				
	F250 4x4 Reg Cab Long		7500				
	F250 4x4 Reg Cab Short		7500				
	F250 4x4 Super Cab Long		7500				
	F250 4x4 Super Cab Short		7500				
	F350 4x2 Crew Cab Short		8000				
	F350 4x2 Crew Cab Long		8000				
	F350 4x2 Reg Cab Long		7500				
	F350 4x2 Super Cab Short		7500				
	F350 4x2 Super Cab Long		7500				
	F350 4x4 Crew Cab Short		8000				
	F350 4x4 Crew Cab Long		8000				
	F350 4x4 Reg Cab Long		8000				
	F350 4x4 Super Cab Short		8000				
	F350 4x4 Super Cab Long		8000				

* See Section 20.09.17.03

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XWFMXA05.4JBN Evap. Fam.: XWFMXE0155BAG

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZA BLF A/N		*			XC2F-MD	*	*
	E150 CWL		6000 (non-A/C)				
	E150 CWL		6000 (A/C)				
	E150 RVL		6000				
	E250 RVL - 7200 GVW		6000				
	E250 RVL - 8600 GVW		7000				
	E250 RVL - 7900 GVW		6500				
	E250 SVL - 7300 GVW		6500				
	E250 SVL - 8600 GVW		7000				
	E250 SVL - 7500 GVW		6500				

* See Section 20.09.17.03

E.O.# A-10-851

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155BAG

Engine Code Types: CA XXX 49S___ 50S___ AB965___ ORVR: Yes___ No XXX

Exhaust Std: CA Tier-1 XXX TLEV___ LEV___ ULEV___ ULEV___ SULEV___ U.S. EPA TIER-1___

Vehicle Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 XX MDV4___ MDV5___

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

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

Exh Emiss Test Fuel(s): Indo XXX CBG___ CNG___ LPG___ M85___ Other(specify):___
Diesel___ 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Evaporative Emission Test Procedure: California___ Federal XXX

Service Accum: Std AMA___ Mod AMA XXX Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A XXX Std___ Equiv___ R/L Test Procedure: SHED___ Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

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

Exhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
846QR11 A/N		A			F8UF-TD	F75E-CA	F8US-XX
	E250 RVL		7000	*			
	E250 SVL		7000				
874UR11 A/N		"			F8UF-YD	"	"
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				

* See Section 20.09.17.03

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155BAG

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
874VR11 A/N		A			F8UF-ZD	*	*
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				
874RR10 A/N		*			F8PF-ASB	*	*
	E350 CWL		7500				
	E350 RVL		7500				
	E350 SVL		7500				
	E350 SWL - 10 passenger		7500				
	E350 SWL - 12 passenger		7500				
	E350 SWL - 15 passenger		7500				
846MR10 A/N		*			F8PF-ARB	*	*
	E250 RVL		7000				
	E250 SVL		7000				

* See Section 20.09.17.03

Supplemental Data Sheet
DPA Summary

Vehicle Line		ETW LIMIT	NAC DPA	AC DPA
. ECONOLINE E150		5250	13.7	18.1
VAN/CLUB WAGON		5500	13.7	18.1
* AUTO TRANS:		6000	13.7	18.1
5.4L Engine	S	6000	14.8	18.9
DE E4OD	S	6500	14.8	18.7
. ECONOLINE E250 (LD)		5000	15.8	17.2
5.4L REG. VAN <6500 GVWR	S	6500	15.9	17.3
E4OD TRANS.		---	---	---
LT225/75R16 A/S "D" or "E" Tire		---	---	---
. ECONOLINE E250 (LD)		6000	14.8	18.0
5.4L SUPER VAN <6500 GVWR	S	6500	14.8	18.2
E4OD TRANS.		---	---	---
LT225/75R16 A/S "D" or "E" Tire		---	---	---
. ECONOLINE E250 (HD)	S	7000	16.8	17.9
5.4L REG. VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT225/75R16 A/S "E" Tire		---	---	---
. ECONOLINE E250 (HD)	S	7000	16.8	17.9
5.4L SUPER VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT225/75R16 A/S "E" Tire		---	---	---

Vehicle Line		ETW LIMIT	NAC DPA	AC DPA
. ECONOLINE E-350	S	7500	17.4	18.8
5.4/6.8L Reg. VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---
. ECONOLINE E-350	S	7500	16.2	17.6
5.4L Commuter VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---
. ECONOLINE E-350	S	7500	16.3	17.7
5.4/6.8L Super Van >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---
. ECONOLINE E-350	S	7500	16.1	17.6
5.4/6.8L Club Wagon >6500 GVWR	S	7500	16.1	17.8
E4OD TRANS.		---	---	---
LT225/75R16 A/S Tire		---	---	---
LT245/75R16 A/S Tire		---	---	---
. ECONOLINE E-350	S	7500	16.8	17.6
5.4/6.8L Super Wagon >6500 GVWR	S	8000	16.3	16.7
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---
		---	---	---
. ECONOLINE E-350	S	7500	16.5	17.9
5.4L NGV REG. VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---
. ECONOLINE E-350	S	7500	16.5	17.0
5.4L NGV Super VAN >6500 GVWR		---	---	---
E4OD TRANS.		---	---	---
LT245/75R16 A/S Tire		---	---	---

ENGINE FAMILY: XFMXA05.4JBN
ISSUED:
REVISED: JUN 24 1998

1999 LDT APPLICATION REVISIONS

NO.	DATE	PAGE(S)	DESCRIPTION
1.	12-22-97	20.02.00.00 - 2 20.02.01.00 - 1 20.02.02.00 - 2 20.03.00.00 - 11 thru 20 20.09.17.02 - 3,4	Added per R/C 5.4 - 1. The revised calibration includes changes to the spark and fuel strategy for improved performance and finalized OBD-II threshold/entry conditions.
2.	12-22-97	20.02.00.00 - 3 20.02.02.00 - 3 20.03.00.00 - 21 thru 30 20.09.17.02 - 5,6	Added per R/C 5.4 -2. The revised calibration lowers the catalyst damage temperature threshold for MIL activation.
3.	1-23-98	20.09.17.03 - 1	Added DPA summary chart
4.	6-24-98	19.01.00.00 - 2 20.02.00.00 - 4 20.02.01.00 - 2 20.02.02.00 - 5,6 20.03.00.00 - 31 thru 36 20.03.01.00 - 1 20.09.01.00 - 1,2 20.09.02.00 - 1 thru 12 20.09.03.00 - 1,2 20.09.17.01 - 1,2 20.09.17.02 - 1 thru 8 20.09.17.03 - 2	Added per R/C 5.4-10. E-Series models and their associated calibrations are being introduced. In addition, a clerical error in the F-Series evaporative emission family name has been corrected.
5.	10-12-98	20.02.00.00 - 5 20.02.01.00 - 3 20.02.02.00 - 7 20.03.00.00 - 37 thru 41 20.09.17.02 - 9	Added per R/C 5.4 - 40. The revised calibration increases the transmission control pressure versus throttle position to provide greater reverse clutch capacity.
6.	1-20-99	20.03.00.00 - 42	Added per R/C 5.4-50. LT245 tire added to the E250 SVL and added E350 SVL @ 9250 GVWR.
7.	1-22-99	20.03.00.00 - 43 20.09.17.02 - 8	Added per R/C 5.4. Revised ETWs for the E150 CW based on production audit.
8.	2-5-99	20.02.00.00 - 5 20.02.01.00 - 4 20.02.02.00 - 8 20.03.00.00 - 44 thru 46 20.09.17.02 - 10	Added per R/C 5.4-77. Revised EGR flow and spark timing for improved fuel economy for certain E-Series models. Also, trans diagnostic capabilities improved.
9.	4-7-99	20.02.00.00 - 6 20.02.01.00 - 5 20.02.02.00 - 8 20.03.00.00 - 47 thru 55 20.03.01.00 - 2 20.09.17.02 - 11,12	Added per R/C 5.4-65. Revised calibration limits driveshaft rpm for improved high speed/high mileage durability. Also an ambiguous trans OBD code has been eliminated.

1999 LDT APPLICATION REVISIONS

NO.	DATE	PAGE(S)	DESCRIPTION
10.	6-17-99	20.03.01.00 - 2	Corrects GVWR clerical error from 8450 to 8540.