

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:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Oxides of</u> <u>Nitrogen</u>
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:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Oxides of</u> <u>Nitrogen</u>
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).

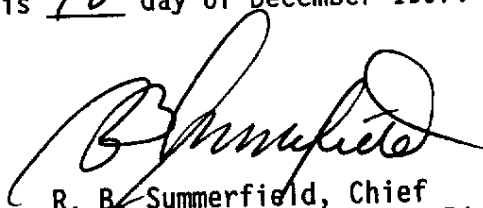
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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-10-85

Supplemental Data Sheet - DPA Summary

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

ENGINE FAMILY: XFXA05.4JBN

ISSUED:

REVISED:

OCT 27 1997

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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.: XFMXE0155B1H
 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 Equip 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, H02S
 (Use abbreviations per SAE J1930 JUN93)

EngineCode	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


Engine Family XFMXA05.4JBN
 Issued: **OCT 27 1997**
 Revised:

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

Engine Family: XFMXA05.4JBN
Issued:
Revised: **OCT 27 1997**

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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 Equip 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.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto M-Man	ETW	DPA			
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

Engine Family XFMXA05.4JBN
 Issued:
 Revised: **DEC 22 1997**

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

Engine Family: XFMXA05.4JBN
 Issued:
 Revised: **DEC 22 1997**

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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 H025
(Use abbreviations per SAE J1930 JUN93)

EngineCode (California)	Vehicle Models	Trans.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto	M-Man	ETW			
9VZABC 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

Engine Family: XFMXA05.4JBN
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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.: WFMXE0155BAG

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 Equip 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.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto	M-Man	ETW			
846QR10 A/N	E250 RVL			7000	F8UF-TC	F75E-CA	F8US-XX
	E250 SVL			7000			
874UR10 A/N	E350 CWL			7500	F8UF-YC	"	"
	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

Engine Family WFMXA05.4JBN
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1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: ^XVFMA05.4JBN Evap. Fam.: ^XVFME0155BAG

EngineCode (California)	Vehicle Models	Trans.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto M-Man	ETW	DPA			
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.: XFHXA05.4JBN Evap. Fam.: WFMXE0155BOH

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

Engine Family: XFHXA05.4JBN
Issued:
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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.: WFMXE0155BAG

EngineCode (California)	Vehicle Models	Trans.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto M-Man	ETW	DPA			
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

Engine Family: XFMXA05.4JBN
Issued:
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1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: X YFMXA05.4JBN Evap. Fam.: X WFMXE0155BAG
 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 Equip 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	Vehicle Models	Trans.	Ignition	EGR	Catalytic	
(California)		A-Auto M-Man	Part No (PCM)	System Part No	Converter Part No	
		ETW	DPA			
846QR11 A/N		A		F8UF-TD	F75E-CA	F8US-XX
	E250 RVL					
	E250 SVL					
874UR11 A/N		"		F8UF-YD	"	"
	E350 CWL					
	E350 RVL					
	E350 SVL					
	E350 SWL - 10 passenger					
	E350 SWL - 12 passenger					
	E350 SWL - 15 passenger					

* 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.: WFMXE0155BAG

EngineCode (California)	Vehicle Models	Trans.			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
		A-Auto M-Man	ETW	DPA			
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-AR8	"	"
	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 VAN/CLUB WAGON * AUTO TRANS. S.4L Engine DE EACD	5200 \$ 6000	13.7 13.7 14.3	18.1 18.1 18.8 18.7
. ECONOLINE E250 (LD) S.4L REG. VAN <8500 GVWR EACD TRANS. LT225/75R16 A/B "D" or "E" Tires	5500 \$ 6500	15.8 15.8	17.2 17.3
. ECONOLINE E250 (LD) S.4L SUPER VAN <8500 GVWR EACD TRANS. LT225/75R16 A/B "D" or "E" Tires	6000 \$ 6000	14.8 14.8	18.8 18.2
. ECONOLINE E250 (HD) S.4L REG. VAN >8500 GVWR EACD TRANS. LT225/75R16 A/B "E" Tires	\$ 7000	18.8	17.9
. ECONOLINE E250 (HD) S.4L SUPER VAN >8500 GVWR EACD TRANS. LT225/75R16 A/B "E" Tires	\$ 7000	18.8	17.9

Vehicle Line	ETW LIMIT	NAC DPA	AC DPA
. ECONOLINE E-300 S.4L BL. Reg. VAN >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500	17.4	18.8
. ECONOLINE E-300 S.4L Commercial VAN >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500	18.2	17.6
. ECONOLINE E-300 S.4L BL. Super Van >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500	18.3	17.7
. ECONOLINE E-300 S.4L BL. Club Wagon >8500 GVWR EACD TRANS. LT225/75R16 A/B Tires LT245/75R16 A/B Tires	\$ 7500 \$ 7500	18.1 18.1	17.8 17.8
. ECONOLINE E-300 S.4L BL. Super Wagon >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500 \$ 8000	18.8 18.3	17.8 18.7
. ECONOLINE E-300 S.4L NGV REG. VAN >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500	18.5	17.9
. ECONOLINE E-300 S.4L NGV Super VAN >8500 GVWR EACD TRANS. LT245/75R16 A/B Tires	\$ 7500	18.8	17.9

ENGINE FAMILY: XF70LA05.4J8N
ISSUED:
REVISED: **JUN 24 1998**

20.09.17.03 - 2



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 - 5,8	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.	8-24-98	19.01.00.00 - 2 20.02.00.00 - 4 20.02.01.00 - 2 20.02.02.00 - 5,8 20.03.00.00 - 31 thru 38 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 48 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.

ENGINE FAMILY: XFXA05.4JBN

ISSUED: 12-22-97

REVISED: 1-23-98 6-24-98 10-12-98 1-20-99 2-5-99 4-7-99

20.15.00.00 - 1

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.

ENGINE FAMILY: XFMKA03.4J8M
ISSUED: 6-17-99
REVISED:

20.15.00.00 - 2