State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-727
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: VFM7.5J8G1EK Displacement: 7.5 Liters (460 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 (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
5751-8500	50,000	0.39 (0.49)	5.0 (6.2)	1.1 (1.4)
	120,000	0.56 (n/a)	7.3 (n/a)	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
5751-8500	50,000	0.17	1.8	0.2
	120,000	0.19	2.1	0.24

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.).

BE IT FURTHER RESOLVED: That based on a compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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".

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 50 percent of the manufacturer's projected sales of 1997 model-year California-certified medium-duty vehicles will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 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.

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 29th day of April 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-727

1997 MODEL YEAR SUPPLEMENTAL DATA SHEET
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM7.5J8G1eK (V7.5J)

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: VFM1090AYM0D

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

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

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: 7.5L (460) Liters (Cubic Inches)
Valves/Cyl: 2 Rated HP: 245 @ 4000 RPM
Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

Exhaust Control System and Special Features HO2S, EGR, SFI, TWC 2 HO2S
(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.
698NR06N	F250 CRW 4WD	A	7500	*	F6TF-AKC	F6TE-CA	F6TA-EC
698NR06A	F250 CRW 4WD	A	7500				
698NR06N	F250 CRW 4WD	A	7000				
698NR06A	F250 RKL 4WD	A	7000				
698NR06N	F250 SKL 4WD	A	7500				
698NR06A	F250 SKL 4WD	A	7500				
698NR06N	F250 SKS 4WD	A	7500				
698NR06A	F250 SKS 4WD	A	7500				
698NR06N	F350 CRW-SRW 4WD	A	7500				
698NR06A	F350 CRW-SRW 4WD	A	7500				
698NR06N	F350 RKL 4WD	A	7000				
698NR06A	F350 RKL 4WD	A	7000				
698QR10N	F350 CRW-SRW 2WD	A	7500	*	F6TF-AMD	F6TE-CA	F6TA-EC
698QR10A	F350 CRW-SRW 2WD	A	7500				
698QR10N	F350 RKL 2WD	A	7000				
698QR10A	F350 RKL 2WD	A	7000				
698QR10N	F250 CRW 2WD	A	7000				
698QR10A	F250 CRW 2WD	A	7000				
698QR10N	F250 RKL 2WD	A	7000				
698QR10A	F250 RKL 2WD	A	7000				
698QR10N	F250 SKL 2WD	A	7000				
698QR10A	F250 SKL 2WD	A	7000				
698QR10N	F250 SKS 2WD	A	7000				
698QR10A	F250 SKS 2WD	A	7000				

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Engine Family: V7.5J

Date Issued: 2-26-96
Revised:

E.O.# 4-10-727

1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: VFM7.5J8G1CK (V7.5J)

Engine Code Types: CA X 49S_ 50S__ Evaporative Emissions Family: VFM1090AYM0D/VFM1064AYM0B

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

Evap Std: 50K X Useful Life with R/L___ In-Use Exh Std: Full In Use___ 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: 7.5L (460) Liters (Cubic Inches)
Valves/Cyl: 2 Rated HP: 245 @ 4000 RPM
Engine: Front X Mid___ Rear___ Drive: Fwd___ RWD X 4WD-FT___ 4WD-PT X

Exhaust Control System and Special Features HO2S, EGR, SFI, TWC, 2HO2S
(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.
698NR06N	F250 CRW 4WD	A	7500	*	F6TF-AKC	F6TE-CA	F6TA-EC
698NR06A	F250 CRW 4WD	A	7500				
698NR06N	F250 CRW 4WD	A	7000				
698NR06A	F250 RKL 4WD	A	7000				
698NR06N	F250 SKL 4WD	A	7500				
698NR06A	F250 SKL 4WD	A	7500				
698NR06N	F250 SKS 4WD	A	7500				
698NR06A	F250 SKS 4WD	A	7500				
698NR06N	F350 CRW-SRW 4WD	A	7500				
698NR06A	F350 CRW-SRW 4WD	A	7500				
698NR06N	F350 RKL 4WD	A	7000				
698NR06A	F350 RKL 4WD	A	7000				
698QR10N	F350 CRW-SRW 2WD	A	7500	*	F6TF-AMD	F6TE-CA	F6TA-EC
698QR10A	F350 CRW-SRW 2WD	A	7500				
698QR10N	F350 RKL 2WD	A	7000				
698QR10A	F350 RKL 2WD	A	7000				
698QR10N	F250 CRW 2WD	A	7000				
698QR10A	F250 CRW 2WD	A	7000				
698QR10N	F250 RKL 2WD	A	7000				
698QR10A	F250 RKL 2WD	A	7000				
698QR10N	F250 SKL 2WD	A	7000				
698QR10A	F250 SKL 2WD	A	7000				
698QR10N	F250 SKS 2WD	A	7000				
698QR10A	F250 SKS 2WD	A	7000				

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Engine Family: V7.5J

Date Issued: 2-26-96
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Review Sheet for V7.5J8GIEK / VM1090AYM0D cont.

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.
698QR10N	F350 CRW-DRW 2WD	A	8000	*	F6TF-AMD	F6TE-CA	F6TA-EC
698QR10A	F350 CRW-DRW 2WD	A	8000				
698QR10N	F350 RKL-DRW 2WD	A	7500				
698QR10A	F350 RKL-DRW 2WD	A	7500				
698QR10N	F350 SKL-DRW 2WD	A	7500				
698QR10A	F350 SKL-DRW 2WD	A	8000				
698QR10N	F250 CRW 4WD	A	7500				
698QR10A	F250 CRW 4WD	A	7500				
698QR10N	F250 RKL 4WD	A	7000				
698QR10A	F250 RKL 4WD	A	7000				
698QR10N	F250 SKL 4WD	A	7500				
698QR10A	F250 SKL 4WD	A	7500				
698QR10N	F250 SKS 4WD	A	7500				
698QR10A	F250 SKS 4WD	A	7500				
698QR10N	F350 CRW-SRW 4WD	A	7500				
698QR10A	F350 CRW-SRW 4WD	A	7500				
698QR10N	F350 RKL 4WD	A	7000				
698QR10A	F350 RKL 4WD	A	7000				
697QR06N	F350 CRW-SRW 2WD	M	7500	*	F6TF-AGC	F6TE-CA	F6TA-EC
697QR06A	F350 CRW-SRW 2WD	M	7500				
697QR06N	F350 RKL 2WD	M	7000				
697QR06A	F350 RKL 2WD	M	7000				
697QR06N	F250 CRW 2WD	M	7000				
697QR06A	F250 CRW 2WD	M	7000				
697QR06N	F250 RKL 2WD	M	7000				
697QR06A	F250 RKL 2WD	M	7000				
697QR06N	F250 SKL 2WD	M	7000				
697QR06A	F250 SKL 2WD	M	7000				
697QR06N	F250 SKS 2WD	M	7000				
697QR06A	F250 SKS 2WD	M	7000				
697QR06N	F350 CRW-DRW 2WD	M	8000				
697QR06A	F350 CRW-DRW 2WD	M	8000				
697QR06N	F350 RKL-DRW 2WD	M	7500				
697QR06A	F350 RKL-DRW 2WD	M	7500				
697QR06N	F350 SKL-DRW 2WD	M	7500				
697QR06A	F350 SKL-DRW 2WD	M	7500				
697QR06N	F250 CRW 4WD	M	7500				
697QR06A	F250 CRW 4WD	M	7500				
697QR06N	F250 RKL 4WD	M	7000				
697QR06A	F250 RKL 4WD	M	7000				
697QR06N	F250 SKL 4WD	M	7500				
697QR06A	F250 SKL 4WD	M	7500				
697QR06N	F250 SKS 4WD	M	7500				
697QR06A	F250 SKS 4WD	M	7500				
697QR06N	F350 CRW-SRW 4WD	M	7500				
697QR06A	F350 CRW-SRW 4WD	M	7500				
697QR06N	F350 RKL 4WD	M	7000				
697QR06A	F350 RKL 4WD	M	7000				

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Engine Family: V7.5J

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1997 DPA CHART - VC#4 and VC#5

VEHICLE LINE	ETW	< - - - CDT	NON - CODE	AC DPA	- - - > TRLHP (HP)	< - - - CDT	A CODE	C DPA	- - - > TRLHP (HP)	Electric Dyno Coefficients A	B	C	Track Force Coefficients F0	F2
The Following Vehicles Are Certified Using ALVW (Adjusted Loaded Vehicle Weight) ETWs & DPAs (>6500# GVW)														
F-SERIES (HD)														
F-250 4X2	5250	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
ALL TRANS	5500	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
	6500	17.56	(C)	14.9	22.82	16.55	(C)	16.3	24.21	47.14	-1.0335	0.05108	65.59	0.04197
	7000	18.89	(C)	14.6	22.84	17.85	(C)	16.0	24.17	54.28	-1.1856	0.05318	67.96	0.04249
	7500	20.22	(C)	14.5	22.86	19.06	(C)	15.9	24.26	56.32	-1.0886	0.04887	71.61	0.03974
F-250 4X4	5000	13.16	(C)	16.9	23.42	12.56	(C)	18.3	24.54					
ALL TRANS	5500	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
	6500	15.92	(C)	17.1	25.17	15.09	(C)	18.5	26.55	49.78	-0.9725	0.05670	66.77	0.04912
	7000	16.80	(C)	17.5	25.68	15.94	(C)	18.9	27.07	53.44	-1.0666	0.05824	68.80	0.04987
	7500	17.68	(C)	17.8	26.15	16.79	(C)	19.2	27.54	52.00	-0.9071	0.05708	70.60	0.05051
F-350 4X2 SRW	5250	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
ALL TRANS	5500	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
	6500	17.56	(C)	14.9	22.82	16.55	(C)	16.3	24.21	47.14	-1.0335	0.05108	65.59	0.04197
	7000	18.89	(C)	14.6	22.84	17.85	(C)	16.0	24.17	54.28	-1.1856	0.05318	67.96	0.04249
	7500	20.22	(C)	14.5	22.86	19.06	(C)	15.9	24.26	56.32	-1.0886	0.04887	71.61	0.03974
F-350 4X4 SRW	6000	.....	(CB)	20.0	.....	.....	(CB)	21.5	.....					
ALL TRANS	6500	15.38	(C)	18.4	26.05	14.61	(C)	19.8	27.42	35.59	-0.4546	0.05615	57.89	0.05521
	7000	16.39	(C)	18.5	26.33	15.55	(C)	19.9	27.75	40.01	-0.5633	0.05743	61.01	0.05528
	7500	17.39	(C)	18.3	26.59	16.53	(C)	19.7	27.97	40.74	-0.4322	0.05458	64.31	0.05421
	8000	18.40	(C)	18.2	26.80	17.46	(C)	19.6	28.24	42.64	-0.4317	0.05386	67.60	0.05370
F-350 4X2 DRW	6000	.....	(CB)	22.0	.....	.....	(CB)	23.5	.....					
	7500	16.57	(C)	18.3	27.90	15.81	(C)	19.7	29.24	35.85	-0.1452	0.05445	75.10	0.05397
	8000	17.40	(C)	17.9	28.34	16.64	(C)	19.3	29.64	39.00	0.1970	0.04742	88.10	0.05088
F-350 4X2 SRW CC	6000	13.16	(C)	22.7	28.10	12.49	(C)	24.1	29.61					
	46.2 SQ.FT.													
F-350 4X2 DRW CC	7000	9.34	(C)	32.4	46.20	9.07	(C)	33.8	47.57					
	84.6 SQ.FT.													
BIAS TIRE	8000	12.41	(C)	24.1	39.74	11.99	(C)	25.5	41.13					
RADIAL TIRE	8000	12.67	(C)	26.5	38.32	12.30	(C)	27.9	40.09					
	50.4 SQ.FT.													

(C) Certification point, (R) Regressed point,
(A) Adjusted, (CB) Cookbook, (EST) Estimate, (C/O) Carryover
97DPATRK.xls

% = ETW/ALVW $ = ALVW