State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-672
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 1996 model-year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: TFM7.5J8G1CK 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 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	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	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 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 13th day of July 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

SDS

E.O.# A-10-672

1996 MODEL YEAR ~~CERTIFICATION REVIEW SHEET~~
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr. FORD MOTOR COMPANY Exhaust Engine Family: TFM7.5J8G1cK (T7.5J)

Engine Code Types: CA X 49S___ 50S___ Evaporative Emissions Family: TFM1090AYM0D

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 2 HO2S, EGR, SFI, TWC(~~REDOX~~) 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.
698NR00N	F250 CRW 4WD	A	7500	*	F6TF-AKA	F6TE-CA	F6TA-EC
698NR00A	F250 CRW 4WD	A	7500				
698NR00N	F250 CRW 4WD	A	7000				
698NR00A	F250 RKL 4WD	A	7000				
698NR00N	F250 SKL 4WD	A	7500				
698NR00A	F250 SKL 4WD	A	7500				
698NR00N	F250 SKS 4WD	A	7500				
698NR00A	F250 SKS 4WD	A	7500				
698NR00N	F350 CRW-SRW 4WD**	A	7500				
698NR00A	F350 CRW-SRW 4WD	A	7500				
698NR00N	F350 RKL 4WD	A	7000				
698NR00A	F350 RKL 4WD	A	7000				
698SR00N	E350 CWL 2WD	A	7500	*	F6UF-TA	F6TE-CA	F6TA-EC
698SR00A	E350 CWL 2WD	A	7500				
698SR00N	E350 SVL 2WD	A	7500				
698SR00A	E350 SVL 2WD	A	7500				
698SR00N	E350 SWL-15P 2WD	A	8000				
698SR00N	E350 SWL-12P 2WD	A	8000				

Last Character in Engine Code:
N = no A/C
A = A/C

Vehicle Model Codes:
1st character:
R = regular
S = super
C = club
2nd character:
K = cab
V = van
W = wagon
3rd character:
S = short
L = long

* See page 20.09.17.02 - 4
** Single Rear Wheel

Engine Family: T7.5J

Date Issued: 5-17-95
Revised: 6-12-95

SDS

E.O.#A-10-672

Review Sheet for TFM7.5J8GICK / TFM1090AYMOD 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.
698SR00A	E350 SWL-15P 2WD	A	8000	*	F6UF-TA	F6TE-CA	F6TA-EC
698SR00A	E350 SWL-12P 2WD	A	8000				
698SR00N	E350 RVL 2WD	A	7500				
698SR00N	E350 RVL 2WD	A	7500				
698QR00N	F350 CRW-SRW 2WD	A	7500	*	F6TF-AMA	F6TE-CA	F6TA-EC
698QR00A	F350 CRW-SRW 2WD	A	7500				
698QR00N	F250 CRW 2WD	A	7000				
698QR00A	F250 CRW 2WD	A	7000				
698QR00N	F250 RKL 2WD	A	7000				
698QR00A	F250 RKL 2WD	A	7000				
698QR00N	F250 SKL 2WD	A	7000				
698QR00A	F250 SKL 2WD	A	7000				
698QR00N	F250 SKS 2WD	A	7000				
698QR00A	F250 SKS 2WD	A	7000				
698QR00N	F350 CRW-DRW 2WD ***	A	8000				
698QR00A	F350 CRW-DRW 2WD	A	8000				
698QR00N	F350 RKL-DRW 2WD	A	7500				
698QR00A	F350 RKL-DRW 2WD	A	7500				
698QR00N	F350 SKL-DRW 2WD	A	7500				
698QR00A	F350 SKL-DRW 2WD	A	8000				
698QR00N	F250 CRW 4WD	A	7500				
698QR00A	F250 CRW 4WD	A	7500				
698QR00N	F250 RKL 4WD	A	7000				
698QR00A	F250 RKL 4WD	A	7000				
698QR00N	F250 SKL 4WD	A	7500				
698QR00A	F250 SKL 4WD	A	7500				
698QR00N	F250 SKS 4WD	A	7500				
698QR00A	F250 SKS 4WD	A	7500				
698QR00N	F350 CRW-SRW 4WD	A	7500				
698QR00A	F350 CRW-SRW 4WD	A	7500				
698QR00N	F350 RKL 4WD	A	7000				
698QR00A	F350 RKL 4WD	A	7500				
698QR00A	F350 RKL 4WD	A	7500				
697QR00N	F350 CRW-SRW 2WD	M	7500	*	F6TF-AGA	F6TE-CA	F6TA-EC
697QR00A	F350 CRW-SRW 2WD	M	7500				
697QR00N	F250 CRW 2WD	M	7000				
697QR00A	F250 CRW 2WD	M	7000				
697QR00N	F250 RKL 2WD	M	7000				
697QR00A	F250 RKL 2WD	M	7000				
697QR00N	F250 SKL 2WD	M	7000				
697QR00A	F250 SKL 2WD	M	7000				
697QR00N	F250 SKS 2WD	M	7000				
697QR00A	F250 SKS 2WD	M	7000				

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* See page 20.09.17.02 - 4

*** DRW = Dual Rear Wheels

Engine Family: T7.5J

Date Issued: 5-17-95
Revised:

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697QR00N	F350 CRW-DRW 2WD	M	8000	*	F6TF-AGA	F6TE-CA	F6TA-EC
697QR00A	F350 CRW-DRW 2WD	M	8000				
697QR00N	F350 RKL-DRW 2WD	M	7500				
697QR00A	F350 RKL-DRW 2WD	M	7500				
697QR00N	F350 SKL-DRW 2WD	M	7500				
697QR00A	F350 SKL-DRW 2WD	M	7500				
697QR00N	F250 CRW 4WD	M	7500				
697QR00A	F250 CRW 4WD	M	7500				
697QR00N	F250 RKL 4WD	M	7000				
697QR00A	F250 RKL 4WD	M	7000				
697QR00N	F250 SKL 4WD	M	7500				
697QR00A	F250 SKL 4WD	M	7500				
697QR00N	F250 SKS 4WD	M	7500				
697QR00A	F250 SKS 4WD	M	7500				
697QR00N	F350 CRW-SRW 4WD	M	7500				
697QR00A	F350 CRW-SRW 4WD	M	7500				
697QR00N	F350 RKL 4WD	M	7000				
697QR00A	F350 RKL 4WD	M	7500				
697QR00A	F350 RKL 4WD	M	7500				

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* See page 20.09.17.02 - 4

Engine Family: T7.5J

Date Issued: 5-17-95
Revised:

SDS

1996 VEHICLE COVERAGE GUIDELINES
FOR VC#4 AND VC#5 TRUCK LINES

E.O.#A-10-672

VEHICLE LINE	ETW LIMIT	NON A/C CDT(Sec)	Code	DPA(HP)	TRLHP(HP)	A/C CDT(Sec)	CODE	DPA(HP)	TRLHP(HP)
		1996 VEHICLE COVERAGE GUIDELINES > 8500# GVW FOR VC#4 AND VC#5 TRUCK LINES (ALL ITEMS ARE ALVW)							
F-SERIES (HD)									
. F-250 4X2 HD & F-350 4X2 SRW (ALL TRANS)	5250	-----	(CB)	20.0	-----	-----	(CB)	21.5	-----
	$ 6500	17.30	(C)	14.60	23.16	16.28	(C)	16.00	24.61
	$ 7000	18.40	(C)	15.00	23.45	17.34	(C)	16.40	24.88
	$ 7500	TBD	(C)	TBD	TBD	TBD	(C)	TBD	TBD
. F-250 4X4 HD (ALL TRANS)	5000	13.16	(C)	16.9	23.42	12.56	(C)	18.3	24.54
	5500	-----	(CB)	20.0	-----	-----	(CB)	21.5	-----
	$ 6500	TBD	(C)	TBD	TBD	TBD	(C)	TBD	TBD
	$ 7000	17.53	(C)	16.09	24.61	16.59	(C)	17.49	26.01
	$ 7500	17.53	(C)	16.09	26.37	16.59	(C)	17.49	27.87
. F-350 4X4 SRW (ALL TRANS)	6000	-----	(CB)	20.0	-----	-----	(CB)	21.5	-----
	$ 6500	TBD	(C)	TBD	TBD	TBD	(C)	TBD	TBD
	$ 7000	17.06	(C)	17.6	25.29	16.18	(C)	19.03	26.67
	$ 7500	17.98	(C)	17.6	25.71	17.09	(C)	19.03	27.05
. F-350 4X2 DRW	$ 7500	16.57	(C)	16.0	27.90	18.01	(C)	17.4	25.67
	$ 8000	17.40	(C)	17.9	28.34	16.64	(C)	19.3	29.64
. F350 4X2 SRW CC	6000 46.2 SQ.FT	13.16	(C)	22.7	28.10	12.49	(C)	24.1	29.61
. F-350 4X2 DRW CC	7000 84.6 SQ.FT	9.34	(C)	32.4	46.20	9.07	(C)	33.8	47.57
	8000	12.41	(C)	24.18	39.74	11.99	(C)	25.58	41.13
	9000	Requirement dropped from Powertrain Line-up due to low volume							
	50.4 SQ.FT	12.87	(C)	26.5R	38.32	12.30	(C)	27.9R	40.09
E-SERIES (HD)									
. ECON. E-250 CWL	6000	-----	(CB)	19.5	-----	-----	(CB)	21.0	-----
. ECON. E250 (HD)	$ 7000	19.04	(C)	14.5	22.66	17.91	(C)	15.9	24.09
. ECON. E-350	6000	-----	(CB)	20.0	-----	-----	(CB)	21.5	-----
	$ 7000	TBD	(C)	TBD	#VALUE!	TBD	(C)	TBD	#VALUE!
	$ 7500	18.77	(C)	16.1	24.63	17.8	(C)	17.5	25.97
	$ 8000	19.9	(C)	15.3	24.78	18.82	(C)	16.7	26.20
. ECONOLINE E-350 CA/SC SRW/DRW	7000 77.9 SQ.FT	10.03	(C)	33	43.02	9.71	(C)	34.4	44.44
(ALL TRANS)									
STRIPPED CHASSIS (ALL TRANS)	6000	-----	(CB)	26.5	-----	-----	(CB)	27.9	-----
	6500	-----	(CB)	26.5	-----	-----	(CB)	27.9	-----
	7500	-----	(CB)	26.5	-----	-----	(CB)	27.9	-----
	53 SQ.FT.								

(E) = ESTIMATED
(C) = CERTIFICATION TEST POINT
(CB) = ESTIMATED COOKBOOK DATA
TBD = NEW VEHICLE PROGRAM - NOT CERTIFIED TO DATE.
* = Indicates Sub Heading

(REG) = REGRESSED CDT
(ADJ) = DPA ADJUST (HIGHER THAN CERT DPA
(MA) = MASS ADJUSTED CDT
$ = Indicates ALVW CDT/DPA

VC4-VC5TRK:CDT96B.2

Engine Family: T7.5J

Issue Date: MAY 17 1995
Revised: