State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-776
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 1998 model-year Ford Motor Company exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: WFMXT04.6AAA Displacement: 4.6 Liters (280 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:

Loaded Vehicle Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

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

Loaded Vehicle Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.14	1.7	0.1	5.0
	100,000	0.16	2.0	0.17	n/a

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 fleet average non-methane organic gases (NMOG) exhaust mass emission 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."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits 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 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 16th day of July 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-776

1998 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Manufacturer FORD MOTOR COMPANY

Exhaust Engine Family: WFMXT04.6AAA

Engine Code Types: CA XXX 49S_ 50S_

Evap Emissions Family: WFMXE0160B0E

Exhaust Std: Tier-1 XXX ORVR: No

R/L Test Procedure: Pt. Source

Evaporative Std: 50K_ Useful Life with R/L XXX

Vehicle Class(es): LDT2 XXX

Service Accumulation: Mfr. AUP

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

Exhaust Cert Fuel: Indolene Clear XXX

Fuel Type: Gasoline XXX

APU Cycle (eg.., Otto, Diesel, Turbine)_____

Engine Configuration V-8

Displacement: 4.6L (280 in³)

Valves/Cyl: 2

Rated HP: 220 @ 4500 RPM

Engine: Front XXX Mid_ Rear_

Drive: Fwd_ RWD XXX 4WD-FT_ 4WD-PT XXX

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

EngineCode California	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
848QR05N	F150 RKL 2WD	A	4500	*	F85F-PA	F65E-BA	F65A-CG (LH) F65A-BF (RH)
848QR05A	F150 RKL 2WD	A	4750				
848QR05N	F150 RKS 2WD	A	4500				
848QR05A	F150 RKS 2WD	A	4500				
848QR05N	F150 SKL 2WD	A	4750				
848QR05A	F150 SKL 2WD	A	5000				
848QR05N	F150 SKS 2WD	A	4750				
848QR05A	F150 SKS 2WD	A	4750				
848RR05N	F150 RKL 2WD	A	4500	*	F85F-RA	F65E-BA	F65A-CG (LH) F65A-BF (RH)
848RR05A	F150 RKL 2WD	A	4750				
848RR05N	F150 RKS 2WD	A	4500				
848RR05A	F150 RKS 2WD	A	4500				
848RR05N	F150 SKL 2WD	A	4750				
848RR05A	F150 SKL 2WD	A	5000				
848RR05N	F150 SKS 2WD	A	4750				
848RR05A	F150 SKS 2WD	A	4750				

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Engine Family: WFMXT04.6AAA

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1998 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

EngineCode California	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
848RR05N	F150 RKL 4WD	A	5000	*	F85F-RA	F65E-BA	F65A-EG (LH)
848RR05A	F150 RKL 4WD	A	5250				F65A-DG (RH)
848RR05N	F150 RKS 4WD	A	5000				
848RR05A	F150 RKS 4WD	A	5000				
848RR05N	F150 SKL 4WD	A	5500				
848RR05A	F150 SKL 4WD	A	5500				
848RR05N	F150 SKS 4WD	A	5250				
848RR05A	F150 SKS 4WD	A	5250				
747QR11N	F150 RKL 2WD	M	4500	*	F75F-ASC	F65E-BA	F65A-CG (LH)
747QR11A	F150 RKL 2WD	M	4500				F65A-BF (RH)
747QR11N	F150 RKS 2WD	M	4500				
747QR11A	F150 RKS 2WD	M	4500				
747QR11N	F150 SKL 2WD	M	4750				
747QR11A	F150 SKL 2WD	M	4750				
747QR11N	F150 SKS 2WD	M	4500				
747QR11A	F150 SKS 2WD	M	4750				
747RR11N	F150 RKL 2WD	M	4500	*	F75F-ATC	F65E-BA	F65A-CG (LH)
747RR11A	F150 RKL 2WD	M	4500				F65A-BF (RH)
747RR11N	F150 RKS 2WD	M	4500				
747RR11A	F150 RKS 2WD	M	4500				
747RR11N	F150 SKL 2WD	M	4750				
747RR11A	F150 SKL 2WD	M	4750				
747RR11N	F150 SKS 2WD	M	4500				
747RR11A	F150 SKS 2WD	M	4750				
747QR11N	F150 RKL 4WD	M	5000	*	F75F-ASC	F65E-BA	F65A-EG (LH)
747QR11A	F150 RKL 4WD	M	5000				F65A-DG (RH)
747QR11N	F150 RKS 4WD	M	5000				
747QR11A	F150 RKS 4WD	M	5000				
747QR11N	F150 SKL 4WD	M	5250				
747QR11A	F150 SKL 4WD	M	5500				
747QR11N	F150 SKS 4WD	M	5250				
747QR11A	F150 SKS 4WD	M	5250				
747RR11N	F150 RKL 4WD	M	5000	*	F75F-ATC	F65E-BA	F65A-EG (LH)
747RR11A	F150 RKL 4WD	M	5000				F65A-DG (RH)
747RR11N	F150 RKS 4WD	M	5000				
747RR11A	F150 RKS 4WD	M	5000				
747RR11N	F150 SKL 4WD	M	5250				
747RR11A	F150 SKL 4WD	M	5500				
747RR11N	F150 SKS 4WD	M	5250				
747RR11A	F150 SKS 4WD	M	5250				

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Section 20.09.17.03 -- DPA Summary Sheet

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VEHICLE LINE	ETW	NON A/C CDT	NON A/C DPA	A/C CDT	A/C DPA
F150 4x2 MANUAL TRANS	4250	14.20	13.2	13.40	14.5
	4500	14.96	13.2	14.03	14.5
	4750	15.60	13.2	14.67	14.5
	5000	16.27	13.2	15.30	14.5
	5250	16.95	13.2	15.94	14.5
F150 4x2 AUTO TRANS P235/70R16 TIRE	4250	13.95	12.9	13.24	14.2
	4500	14.57	12.9	13.76	14.2
	4750	15.20	12.9	14.29	14.2
	5000	15.83	12.9	14.81	14.2
	5250	16.45	12.9	15.33	14.2
	5500	17.08	12.9	15.85	14.2
F150 4x2 AUTO TRANS P255/70R16 A/S TIRE	4250	13.77	13.4	13.00	14.7
	4500	14.54	13.4	13.69	14.7
	4750	15.30	13.4	14.39	14.7
	5000	16.07	13.4	15.08	14.7
	5250	16.83	13.4	15.78	14.7
	5500	17.60	13.4	16.47	14.7
F150 4x2 AUTO TRANS P255/70R16 A/T TIRE	4250	13.92	13.3	13.44	14.6
	4500	14.57	13.3	13.92	14.6
	4750	15.21	13.3	14.40	14.6
	5000	15.86	13.3	14.88	14.6
	5250	16.51	13.3	15.36	14.6
	5500	17.15	13.3	15.84	14.6
F150 4x2 AUTO TRANS LT245/75R16 A/S TIRE	4250	12.66	14.6	11.84	16.0
	4500	13.28	14.6	12.42	16.0
	4750	13.89	14.6	13.00	16.0
	5000	14.49	14.6	13.57	16.0
	5250	15.08	14.6	14.13	16.0
	5500	15.67	14.6	14.69	16.0

VEHICLE LINE	ETW	NON A/C CDT	NON A/C DPA	A/C CDT	A/C DPA
F150 4x4 MANUAL TRANS	4750	14.96	13.2	14.03	14.5
	5000	15.60	13.2	14.67	14.5
	5250	16.27	13.2	15.30	14.5
	5500	16.95	13.2	15.94	14.5
F150 4x4 AUTO TRANS P235/70R16 TIRE	4750	13.21	16.0	12.48	17.4
	5000	13.79	16.0	13.05	17.4
	5250	14.37	16.0	13.62	17.4
	5500	14.95	16.0	14.19	17.4
F150 4x4 AUTO TRANS P255/70R16 A/S TIRE	4750	13.88	15.6	13.14	17.0
	5000	14.19	15.6	13.41	17.0
	5250	14.49	15.6	13.67	17.0
	5500	14.80	15.6	13.94	17.0
F150 4x4 AUTO TRANS P255/70R16 A/T TIRE P265/70R17 A/T TIRE	4750	13.11	16.1	12.38	17.5
	5000	13.50	16.1	12.74	17.5
	5250	13.89	16.1	13.10	17.5
	5500	14.27	16.1	13.46	17.5
F150 4x4 AUTO TRANS LT245/75R16 A/T TIRE	4750	11.75	17.3	11.1	18.7
	5000	12.28	17.3	11.61	18.7
	5250	12.81	17.3	12.11	18.7
	5500	13.34	17.3	12.61	18.7

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