State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER P-10-80
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 1997 model-year Ford Motor Company federally certified exhaust emission control systems are certified for sale in California as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VFM5.028GFEK Displacement: 5.0 Liters (302 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 (in-use compliance standards in parentheses) 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 (0.41)	4.4 (6.7)	0.7 (0.7)	12.5 (12.5)
	100,000	0.40 (n/a)	5.5 (n/a)	0.97 (n/a)	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	0.24	1.8	0.17	3.5
	100,000	0.28	2.2	0.19	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 Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emission credits for its estimated California sales of federally certified 1997 model vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles for Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

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 "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 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 27th day of March 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# P-10-80

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM5.028GFEK

Evap Standard: 50K ___ Useful Life with R/L XXX Evap Family: VFM1120AYMED

Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 ___ Tier 1 X

Vehicle Class(es): PC _ LDT1 _ LDT2 X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _

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

Exh Cert Fuel(s): Indo X Ph2 _ Diesel: 13 CCR 2282 _ or 40 CFR 86.113-90 _ or -94 _
M85 _ CNG _ LPG _ Other (specify) _____

Fuel Type(s): Dedicated X Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _
CNG ___ LNG ___ LPG ___ Other (specify) _____

Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____

Engine Config: V-8 Liter (CID): 5.0 (302)

Engine: Front X Mid.__ Rear__ Drive: FWD _ RWD X 4WD-FT _ 4WD-PT X

Exhaust ECS & Special Features: 2TWC(2), 2HO2S(2), EGR, SFI
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
654GR11A/N 4 Door LWB	Explorer 4X2	A	4500	12.5	F67F-TD	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR11A/N 4 Door LWB	Explorer 4X4	A	4750	13.3	F67F-TD	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR11A/N 4 Door LWB	Mountaineer 4X2	A	4500	12.5	F67F-TD	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR11A/N 4 Door LWB	Mountaineer 4X4	A	4750	13.3	F67F-TD	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)

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1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM5.028GFEK

Evap Standard: 50K ____ Useful Life with R/L XXX Evap Family: VFM1120AYMED

Exhaust Std: Tier 0 __ Tier 1 X TLEV __ LEV __ ULEV __ ZEV __ ; EPA Tier 0 ___ Tier 1 ___

Vehicle Class(es): PC __ LDT1 __ LDT2 X MDV1 __ MDV2 __ MDV3 __ MDV4 __ MDV5 __

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

Exh Cert Fuel(s): Indo X Ph2 __ Diesel: 13 CCR 2282 __ or 40 CFR 86.113-90 __ or -94 __
M85 __ CNG __ LPG __ Other (specify) _____

Fuel Type(s): Dedicated __ Flex-Fuel __ Dual-Fuel __ Gasoline X Diesel __ M85 __
CNG ___ LNG ___ LPG ___ Other (specify) _____

Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____

Engine Config: V-6 Liter (CID): 5.0 (302)

Engine: Front X Mid.__ Rear__ Drive: FWD __ RWD X 4WD-FT __ 4WD-PT X

Exhaust ECS & Special Features: SFI/HO2S/EGR/TWC
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
654GR12A/N 4 Door LWB	Explorer 4X2	A	4500	12.5	F67F-TE	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR12A/N 4 Door LWB	Explorer 4X4	A	4750	13.3	F67F-TE	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR12A/N 4 Door LWB	Mountaineer 4X2	A	4500	12.5	F67F-TE	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
654GR12A/N 4 Door LWB	Mountaineer 4X4	A	4750	13.3	F67F-TE	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)

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

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM5.028GFEK

Evap Standard: 50K ____ Useful Life with R/L XXX Evap Family: VFM1120AYMED

Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 ___ Tier 1 X

Vehicle Class(es): PC _ LDT1 _ LDT2 X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _

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

Exh Cert Fuel(s): Indo X Ph2 _ Diesel: 13 CCR 2282 _ or 40 CFR 86.113-90 _ or -94 _
M85 _ CNG _ LPG _ Other (specify) _____

Fuel Type(s): Dedicated _ Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _
CNG ___ LNG ___ LPG ___ Other (specify) _____

Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____

Engine Config: V-6 Liter (CID): 5.0 (302)

Engine: Front X Mid.__ Rear__ Drive: FWD _ RWD X 4WD-FT _ 4WD-PT X

Exhaust ECS & Special Features: SFI/HO2S/EGR/TWC
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
754GR10A/N 4 Door LWB	Explorer 4X2	A	4500	12.5	F77F-BLA	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR10A/N 4 Door LWB	Explorer 4X4	A	4750	13.3	F77F-BLA	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR10A/N 4 Door LWB	Mountaineer 4X2	A	4500	12.5	F77F-BLA	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR10A/N 4 Door LWB	Mountaineer 4X4	A	4750	13.3	F77F-BLA	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)

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Manufacturer: Ford Motor Company Exhaust Engine Family: VFM5.028GFEK

Evap Standard: 50K ____ Useful Life with R/L XXX Evap Family: VFM1120AYMED

Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 ___ Tier 1 X

Vehicle Class(es): PC _ LDT1 _ LDT2 X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _

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

Exh Cert Fuel(s): Indo X Ph2 _ Diesel: 13 CCR 2282 _ or 40 CFR 86.113-90 _ or -94 _
M85 _ CNG _ LPG _ Other (specify) _____

Fuel Type(s): Dedicated _ Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _
CNG ___ LNG ___ LPG ___ Other (specify) _____

Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____

Engine Config: V-6 Liter (CID): 5.0 (302)

Engine: Front X Mid.__ Rear__ Drive: FWD _ RWD X 4WD-FT _ 4WD-PT X

Exhaust ECS & Special Features: SFI/HO2S(2)/EGR(2)/TWC(2)
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
754GR11A/N 4 Door LWB	Explorer 4X2	A	4500	12.5	F77F-BLB	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR11A/N 4 Door LWB	Explorer 4X4	A	4750	13.3	F77F-BLB	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR11A/N 4 Door LWB	Mountaineer 4X2	A	4500	12.5	F77F-BLB	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR11A/N 4 Door LWB	Mountaineer 4X4	A	4750	13.3	F77F-BLB	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)

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Evap Standard: 50K ___ Useful Life with R/L XXX Evap Family: VFM1120AYMED

Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 ___ Tier 1 ___

Vehicle Class(es): PC _ LDT1 _ LDT2 X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _

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

Exh Cert Fuel(s): Indo X Ph2 _ Diesel: 13 CCR 2282 _ or 40 CFR 86.113-90 _ or -94 _
M85 _ CNG _ LPG _ Other (specify) _____

Fuel Type(s): Dedicated _ Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _
CNG ___ LNG ___ LPG ___ Other (specify) _____

Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____

Engine Config: V-6 Liter (CID): 5.0 (302)

Engine: Front X Mid.__ Rear__ Drive: FWD _ RWD X 4WD-FT _ 4WD-PT X

Exhaust ECS & Special Features: SFI/HO2S/EGR/TWC
(Use abbreviations per SAE J1930, Sep 91)

Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	EGR System Part No.	Catalyst Part No.
754GR12A/N 4 Door LWB	Explorer 4X2	A	4500	12.5	F77F-BLC	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR12A/N 4 Door LWB	Explorer 4X4	A	4750	13.3	F77F-BLC	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR12A/N 4 Door LWB	Mountaineer 4X2	A	4500	12.5	F77F-BLC	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)
754GR12A/N 4 Door LWB	Mountaineer 4X4	A	4750	13.3	F77F-BLC	F67E-AC F67E-AB F67E-AA F37E-AA	F67A-RA/RB (UB1-RH) F67A-AA/AB (UB1-LH) F67A-EA (UB2 - RH/LH)