Pale

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-624-A
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Ford Motor Company 1995 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: SFM4.028G1EK Displacement: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors
Heated Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection
On-Board Diagnostic II

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
3751-5750	50,000	0.32	4.4	0.7
	100,000	0.40	5.5	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
3751-5750	50,000	0.07	0.6	0.3
	100,000	0.07	0.8	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 gas (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 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 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)(6.1) ("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 5th day of December, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-624-A

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K _X_ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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_ (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Exh Cert Fuel(s): Indo __ Ph2 _X_ 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: _V6_ Liter (CID): _4.0 (244)_

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

Exhaust ECS & Special Features: _SFI/HO_2S/EGR/TWC(2)/HO2S/OBD2_
(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.
558U R06A/N	Ranger 4x2	A4			F57F-BLC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3875	11.2			
			3875*	12.3			
	Mazda B4000 4x2						
	SC SWB		3875	11.2			
			3875*	12.3			

* with air conditioning

ENGINE FAMILY: SFM4.028G1EK
ISSUED: NOV 2 2 1994
REVISED:

E.O.# A-10-624-A

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K _X_ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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

Vehicle Class(es): PC __ LDT1 _X_ LDT2 __ MDV1 __ MDV2 __ MDV3 __ 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 __ Ph2 _X_ 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: _V6_ Liter (CID): _4.0 (244)_

Engine: Front _X_ Mid.___ Rear___ Drive: FWD __ RWD _X_ 4WD-FT __ 4WD-PT _X_

Exhaust ECS & Special Features: _SFI/HO$_2$S/EGR/TWC_ (2) / 2H025 / OBD2
(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.
558T R06A/N	Ranger 4x4	A4			F57F-BKC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3875	12.0			
			3875*	13.2			
	RC LWB		4000#	12.0			
			4000*#	13.2			
	SC SWB		4250#	12.0			
			4250*	13.2			
	Mazda B4000 4x4						
	RC SWB		3875	12.0			
			3875*	13.2			
	RC LWB		4000#	12.0			
			4000*	13.2			
	SC SWB		4250	12.0			
			4250*	13.2			

* with air conditioning
\# per Running Change 4.0-124

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K __X__ Useful Life with R/L _____ Evap Family: SFM1045AYP0A
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 (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Exh Cert Fuel(s): Indo __ Ph2 X 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: V6 Liter (CID): 4.0 (244)
Engine: Front X Mid.__ Rear__ Drive: FWD __ RWD X 4WD-FT __ 4WD-PT X

Exhaust ECS & Special Features: SFI/HO$_2$S/EGR/TWC(2) / 2H025 / 0 B02
(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.
557T R06A/N	Ranger 4x2	M5			F57F-BEC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3750	11.2			
			3875*	12.3			
	Ranger 4x4						
	RC SWB		3875	12.0			
			3875*	13.2			
	RC LWB		3875	12.0			
			4000*#	13.2			
	SC SWB		4250#	12.0			
			4250*	13.2			
	Mazda B4000 4x2						
	SC SWB		3875	11.2			
			3875*	12.3			
	Mazda B4000 4x4						
	RC SWB		3875	12.0			
			3875*	13.2			
	RC LWB		3875	12.0			
			4000*#	13.2			
	SC SWB		4250	12.0			
			4250*	13.2			

* with air conditioning
\# per Running Change 4.0-124

E.O.# A-10-624-A

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K __X__ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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

Vehicle Class(es): PC __ LDT1 X LDT2 __ MDV1 __ MDV2 __ MDV3 __ 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 __ Ph2 X 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: V6 Liter (CID): 4.0 (244)

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

Exhaust ECS & Special Features: SFI/HO_2S/EGR/TWC(2) /2HO2S/OBD2
(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.
558T R15A/N	Ranger 4x2	A4			F57F-CUA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3875	11.2			
			3875*	12.3			
	Mazda B4000 4x2						
	SC SWB		3875	11.2			
			3875*	12.3			

* with air conditioning

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K _X_ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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

Vehicle Class(es): PC __ LDT1 _X_ LDT2 __ MDV1 __ MDV2 __ MDV3 __ 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 __ Ph2 _X_ 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: _V6_ Liter (CID): _4.0 (244)_

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

Exhaust ECS & Special Features: _SFI/HO$_2$S/EGR/TWC(2)/2HO2S/OBD2_
(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.
558T R15A/N	Ranger 4x4	A4			F57F-CUA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3875	12.0			
			3875*	13.2@			
	RC LWB		4000	12.0			
			4000*	13.2@			
	SC SWB		4250	12.0			
			4250*	13.2@			
	Mazda B4000 4x4						
	RC SWB		3875	12.0			
			3875*	13.2@			
	RC LWB		4000	12.0			
			4000*	13.2@			
	SC SWB		4250	12.0			
			4250*	13.2@			

* with air conditioning
@ DPA is 13.3 with the P215/75R15

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K __X__ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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

Vehicle Class(es): PC __ LDT1 __X__ LDT2 __ MDV1 __ MDV2 __ MDV3 __ 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 __ Ph2 __X__ 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: __V6__ Liter (CID): __4.0 (244)__

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

Exhaust ECS & Special Features: __SFI/HO$_2$S/EGR/TWC(2)/2HO2S/OBD2__
(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.
557T R15A/N	Ranger 4x2	M5			F57F-DAA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	SC SWB		3750	11.2			
			3875*	12.3			
	Mazda B4000 4x2						
	SC SWB		3875	11.2			
			3875*	12.3			

* with air conditioning

ENGINE FAMILY: SFM4.028G1EK
ISSUED: 6/7/95
REVISED:

E.O.# A-1E-624-A

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.028G1EK

Evap Standard: 50K __X__ Useful Life with R/L _____ Evap Family: SFM1045AYP0A

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

Vehicle Class(es): PC __ LDT1 X LDT2 __ MDV1 __ MDV2 __ MDV3 __ 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 __ Ph2 X 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: V6 Liter (CID): 4.0 (244)

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

Exhaust ECS & Special Features: SFI/HO_2S/EGR/TWC(2)/2HO2S/OBD2
(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.
557T R15A/N	Ranger 4x4	M5			F57F-DAA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3875	12.0			
			3875*	13.2@			
	RC LWB		3875	12.0			
			4000*	13.2@			
	SC SWB		4250	12.0			
			4250*	13.2@			
	Mazda B4000 4x4						
	RC SWB		3875	12.0			
			3875*	13.2@			
	RC LWB		3875	12.0			
			4000*	13.2@			
	SC SWB		4250	12.0			
			4250*	13.2@			

* with air conditioning
@ DPA is 13.3 with the P215/75R15 tires.