File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-618
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: SFM4.018G1EK 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 (alternative 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
0-3750	50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)
	100,000	0.31 (n/a)	4.2 (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
0-3750	50,000	0.09	0.7	0.2
	100,000	0.10	0.9	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, based on a separate 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 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks 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 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 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").

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 10th day of November, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-618

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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)/2H02S/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.
558S R00A/N	Ranger 4x2	A4			F57F-BJA	F3DE-AA/	F57A-BC/
	RC SWB		3500	11.2		F37E-CA	F57A-BD
			3625*	12.3			
	RC LWB		3625	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3625	11.2			
			3625*	12.3			
	RC LWB		3625	11.2			
			3750*	12.3			

* with air conditioning

E.O.# A-10-618

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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)/24025/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.
557S R00A/N	Ranger 4x2	M5			F57F-BDA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3500	11.2			
			3500*	12.3			
	RC LWB		3500	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3500	11.2			
			3625*	12.3			
	RC LWB		3625	11.2			
			3625*	12.3			

* with air conditioning

E.O.# A-10-618

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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) / 2H025 / 0B32
(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.
558S R06A/N	Ranger 4x2	A4			F57F-BJC	F3DE-AA/	F57A-BC/
	RC SWB		3500	11.2		F37E-CA	F57A-BD
			3625*	12.3			
	RC LWB		3625	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3625	11.2			
			3625*	12.3			
	RC LWB		3625#	11.2			
			3625*#	12.3			

* with air conditioning
\# per Running Change 4.0-122

E.O.# A-10-618

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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) / 24025 / 0802
(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.
557S R06A/N	Ranger 4x2	M5			F57F-BDC	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3500	11.2			
			3500*	12.3			
	RC LWB		3625#	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3500	11.2			
			3625*	12.3			
	RC LWB		3500#	11.2			
			3625*	12.3			

* with air conditioning
\# per Running Change 4.0-122

E.O.# A-10-618

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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.
558S R15A/N	Ranger 4x2	A4			F57F-CTA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC SWB		3500	11.2			
			3625*	12.3			
	RC LWB		3625	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3625	11.2			
			3625*	12.3			
	RC LWB		3625	11.2			
			3625*	12.3			

* with air conditioning

E.O.# A-10-618

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: Ford Motor Company Exhaust Engine Family: SFM4.018G1EK

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 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: 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(3)/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.
557S R15A/N	Ranger 4x2	M5			F57F-CZA	F37E-CA/	F57A-BD/
			3500*	12.3		F3DE-AA	F57A-BC
	RC LWB		3625	11.2			
			3625*	12.3			
	Mazda B4000 4x2						
	RC SWB		3500	11.2			
			3625*	12.3			
	RC LWB		3500	11.2			
			3625*	12.3			

* with air conditioning