

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-607
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 1995 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: SFM4.6V8G1GK Displacement: 4.6 Liters (280 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Dual Three Way Catalytic Converters (two)
- Dual Heated Oxygen Sensors (two)
- 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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.14	2.1	0.1
100,000	0.18	3.0	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 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 listed vehicle models are certified to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles at the request of the manufacturer based on the assumption that those standards and test procedures in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles" will be amended with the result that the data submitted by the manufacturer for the listed vehicle models would be sufficient to satisfy the requirements applicable to 1995 and subsequent model-year vehicles. The Air Resources Board approved such amendments at a hearing conducted on February 10, 1994. The certification of the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles is CONDITIONAL on such amendments becoming effective by January 31, 1995. If such amendments do not become effective by January 31, 1995, the listed vehicle models shall be deemed certified 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" unless the manufacturer demonstrates, to the Executive Officer's satisfaction, that the listed vehicle models comply with the requirements for running loss and useful life standards and test procedures in effect on the date of this certification order.

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 14th day of July, 1994.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GKPass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADEDEng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1BEmission Control System & Special Features 2TWC(2)/2HO2S(2)/EGR/SEI/OBD2
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-
518MR00A	FORD AFC	A	4000	8.7 ¹	F5AF-DA	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DA	F1AE-AD	F5AC-DD F5AC-DC
518NR00A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EA	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EA	F1AE-AD	F5AC-DD F5AC-DC
518QR00A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JA	F1AE-AD	F5AC-DD F5AC-DC
518SR00A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GA	F1AE-AD	F5AC-DD F5AC-DC

¹ with P215/70R15 tires
² with P225/60R16
³ with P225/75R15 tires

Certification Standards

	<u>50K</u>	<u>100K</u>
NMHC:	0.25	0.31
CO:	3.40	4.20
NOx:	0.40	
EVAP:	2.0	

Idle HC/CO Standards

Idle HC	220 ppm @ 2500 rpm
	100 ppm @ idle
Idle CO	1.2% @ 2500 rpm
	1.0% @ idle

ENGINE FAMILY: SFM4.6V8G1GK
ISSUED: 6/10/94
REVISED:

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GKPass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADEDEng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1BEmission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI/0502
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No. -9D475-	Catalyst Part No. -5E212- -5E214-
518MR10A	FORD AFC	A	4000	8.7 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DC
518NR10A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EB	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EB	F1AE-AD	F5AC-DD F5AC-DC
518QR10A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JB	F1AE-AD	F5AC-DD F5AC-DC
518SR10A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GB	F1AE-AD	F5AC-DD F5AC-DC

¹ with P215/70R15 tires² with P225/60R16³ with P225/75R15 tiresCertification Standards

	<u>50K</u>	<u>100K</u>
NMHC:	0.25	0.31
CO:	3.40	4.20
NOx:	0.40	
EVAP:	2.0	

Idle HC/CO Standards

Idle HC	220 ppm @ 2500 rpm 100 ppm @ idle
Idle CO	1.2% @ 2500 rpm 1.0% @ idle

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GK

Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type PHASE II *Corrected*

Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1B

Emission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI/0R02
(Use abbreviations per SAE J1930 June88)

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

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-
518MRO0A	FORD AFC	A	4000	8.7 ¹	F5AF-DA	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DA	F1AE-AD	F5AC-DD F5AC-DC
518NRO0A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EA	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EA	F1AE-AD	F5AC-DD F5AC-DC
518QRO0A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JA	F1AE-AD	F5AC-DD F5AC-DC
518SRO0A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GA	F1AE-AD	F5AC-DD F5AC-DC

¹ with P215/70R15 tires
² with P225/60R16
³ with P225/75R15 tires

Certification Standards

	50K	100K
NMHC:	0.25	0.31
CO:	3.40	4.20
NOx:	0.40	
EVAP:	2.0	

Idle HC/CO Standards

Idle HC	220 ppm @ 2500 rpm
	100 ppm @ idle
Idle CO	1.2% @ 2500 rpm
	1.0% @ idle

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GKPass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type PHASE II *Corrected*Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1BEmission Control System & Special Features 2TWC(2)/2HO2S⁽²⁾/EGR/SFL/CRD2
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No. -9D475-	Catalyst Part No. -5E212- -5E214-
518MR10A	FORD AFC	A	4000	8.7 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DC
518NR10A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EB	F1AE-AD	F5AC-DD F5AC-DC
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EB	F1AE-AD	F5AC-DD F5AC-DC
518QR10A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JB	F1AE-AD	F5AC-DD F5AC-DC
518SR10A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GB	F1AE-AD	F5AC-DD F5AC-DC

¹ with P215/70R15 tires² with P225/60R16³ with P225/75R15 tiresCertification Standards

	<u>50K</u>	<u>100K</u>
NMHC:	0.25	0.31
CO:	3.40	4.20
NOx:	0.40	
EVAP:	2.0	

Idle HC/CO Standards

Idle HC	220 ppm @ 2500 rpm
	100 ppm @ idle
Idle CO	1.2% @ 2500 rpm
	1.0% @ idle

ENGINE FAMILY: SFM4.6V8G1GK
ISSUED: 8/12/94
REVISED: 9/28/94

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GKPass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type PHASE IIEng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYMLBEmission Control System & Special Features 2TWC(2)/2HO2S/EGR/SFI / ^W08D2
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212- -5E214-
518MROOA	FORD AFC	A	4000	8.7 ¹	F5AF-DA	F1AE-AD	F5AC-DD F5AC-DE(Alt) F5AC-DC F5AC-DD(ALT)
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DA	F1AE-AD	
518NR00A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EA	F1AE-AD	" "
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EA	F1AE-AD	" "
518QR00A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JA	F1AE-AD	" "
518SR00A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GA	F1AE-AD	" "

¹ with P215/70R15 tires² with P225/60R16³ with P225/75R15 tiresCertification Standards

	<u>50K</u>	<u>100K</u>
NMHC:	0.25	0.31
CO:	3.40	4.20
NOx:	0.40	
EVAP:	2.0	

Idle HC/CO Standards

Idle HC	220 ppm @ 2500 rpm
	100 ppm @ idle
Idle CO	1.2% @ 2500 rpm
	1.0% @ idle

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GK
 Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type PHASE II
 Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1B
 Emission Control System & Special Features 2TWC(2)/2HO2S⁽²⁾/EGR/SFI/OBD2
 (Use abbreviations per SAE J1930 June88)
 Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No. -9D475-	Catalyst Part No. -5E212- -5E214-
518MR10A	FORD AFC	A	4000	8.7 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DE(Alt) F5AC-DC F5AC-DD(ALT)
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DB	F1AE-AD	
518NR10A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EB	F1AE-AD	" "
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EB	F1AE-AD	" "
518QR10A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JB	F1AE-AD	" "
518SR10A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GB	F1AE-AD	" "

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Manufacturer FORD MOTOR COMPANY Eng. Family SFM4.6V8G1GK

Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type PHASE II

Eng. Type V-8 Liter (CID) 4.6 (280) Evap. Family SFM1120AYM1B

Emission Control System & Special Features 2TWC(2)/2HO2S⁽²⁾/EGR/SFI/0.802
(Use abbreviations per SAE J1930 June88)

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

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No. -9D475-	Catalyst Part No. -5E212- -5E214-
518MR11A	FORD AFC	A	4000	8.7 ¹	F5AF-DB	F1AE-AD	F5AC-DD F5AC-DE(Alt) F5AC-DC F5AC-DD(ALT)
	MERCURY MFA	A	4000	9.4 ¹	F5AF-DB	F1AE-AD	
518NR11A	FORD AFC	A	4000	8.7 ¹ 9.9 ²	F5AF-EB	F1AE-AD	" "
	MERCURY MFA	A	4000	9.4 ¹ 10.1 ²	F5AF-EB	F1AE-AD	" "
518QR11A	LINCOLN VFC	A	4250	8.6 ¹	F5AF-JB	F1AE-AD	" "
518SR11A	LINCOLN VFC	A	4250	8.6 ¹ 10.5 ² 8.6 ³	F5AF-GB	F1AE-AD	" "

¹ with P215/70R15 tires
² with P225/60R16
³ with P225/75R15 tires

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	<u>50K</u>	<u>100K</u>
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EVAP:	2.0	

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