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#### 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	Miles	Non-Methane	Carbon	Nitrogen
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
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 <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	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 💋

day of November, 1994.

R. B. Summerfield/ Assistant Division Chief Mobile Source Division

FO#	A-10-618	
E.U #	A-10-010	

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

ENGINE FAMILY: SFM4.018G1EK

ISSUED: 8-31-94 REVISED: 12-19-95

<sup>\*</sup> with air conditioning

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

Manufacturer: F	ord Motor Comp	oany	Exha	aust Er	ngine Family:	SFM4.018G1	EK
Evap Standard:	50K <u>X</u> Us	seful Life wit	th R/L _		Evap Family	: SFM1045A	YP0A
Exhaust Std: Ti	ier 0 <u> </u>	_TLEV L	EV _ l	JLEV _	_ ZEV ; E	PA Tier 0	Tier 1
Vehicle Class(es	s): PC LDT1	X LDT2	_ MD'	V1 _ !	MDV2 _ MDV	/3 MDV4 _	_ MDV5
Single Cert Std	for Multi-Class E	ing Fam: <u>N</u>	<u>V/A</u> (sp	ecify N	I/A, LDT1, MC	V1, MDV2, M	DV3, MDV4)
Exh Cert Fuel(s)	): Indo <u>X</u> Ph2 M85 <u>CNG</u>	Diesel LPG (	: 13 Co Other (s	CR 228 pecify)	32 or 40 Cl	R 86.113-90	or -94
Fuel Type(s): C	Dedicated Floor NG LNG	ex-Fuel   LPG	Dual-Fu Other	el (spec	Gasoline <u>X</u> ify)	Diesel M8	5
Hybrid: Type A	вс_	_, APU Cy	cle (e.g	., Otto	, Diesel, Turbi	ine)	<del></del>
Engine Config:	<u>V6</u>	Liter (CID)	: <u>4.0 (</u> 2	244)			
	K_ Mid Rear						PT
Exhaust ECS & (Use abbrevia	Special Feature tions per SAE J1	s: <u>SFI/HO<sub>2</sub>:</u> 1930, Sep 9	<u>S/EGR/</u> 1)	TWC (	z)/2H025/0	BD2	
Engine Code \	/ehicle Models 7	Frans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System	Catalyst
(California)		M-Manual			Part No.	-	Part No.
557S R00A/N F	Ranger 4x2 RC SWB	M5	3500	11.2	F57F-BDA	F3DE-AA/ F37E-CA	F57A-BC/ F57A-BD
	RC LWB		3500* 3500 3625*	12.3 11.2 12.3			
N	Mazda B4000 4x2						
	RC SWB		3500 3625*	11.2 12.3			
	RC LWB		3625 3625*	11.2 12.3			

<sup>\*</sup> with air conditioning

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

Manufacturer:	Ford Motor Cor	npany	Exha	ust Er	ngine Family:	SFM4.018G	1EK
Evap Standard	i: 50K <u>X</u>	Useful Life wit	th R/L_		Evap Family	y: SFM1045 <i>F</i>	AYP0A
Exhaust Std:	Tier 0 Tier 1 _	X_TLEV L	EV L	JLEV _	_ ZEV ; E	PA Tier 0	_ Tier 1
Vehicle Class(	es): PC LD	T1 <u>X</u> LDT2	MD'	V1 _	MDV2 MD	/3 MDV4 _	_ MDV5
Single Cert St	d for Multi-Class	Eng Fam: _	<u>v/A</u> (sp	ecify 1	N/A, LDT1, M	DV1, MDV2, 1	MDV3, MDV4)
Exh Cert Fuel	(s): Indo <u>X</u> Ph M85 <u>CN</u> 0	02 Diesel G LPG (	: 13 Co Other (s	CR 221 pecify	82 or 40 C )	FR 86.113-90	or -94
Fuel Type(s):	Dedicated	Flex-Fuel LPG	Dual-Fu Other	ei (spec	Gasoline <u>X</u> ify)	Diesel M	85
Hybrid: Type	A B C	, APU Cy	cle (e.g	., Otto	, Diesel, Turb	oine)	
Engine Config	j: <u>V6</u>	Liter (CID)	: 4.0 (2	244)			
Engine: Front	<u>X</u> Mid Re	ar Driv	/e: FW	D I	RWD X 4W	D-FT 4W	D-PT
Exhaust ECS (Use abbrev	& Special Featu iations per SAE	res: <u>SFI/HO<sub>2</sub></u> J1930, Sep 9	S/EGR/ 1)	TWC(	2) / 24025	10892	
Engine Code	Vehicle Models	Trans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System	Catalyst
(California)		M-Manual			Part No.	Part No.	Part No.
558S R06A/N	RC SWB	<b>A4</b>	3500 3625*	11.2 12.3	F57F-BJC	F3DE-AA/ F37E-CA	
	RC LWB		3625 3625*	11.2 12.3			
	Mazda B4000 4x	2					
	RC SWB		3625 3625*			٠	
	RC LWB		3625#	11.2			

<sup>\*</sup> with air conditioning

<sup>#</sup> per Running Change 4.0-122

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

Manufacturer:	Ford Motor Co	mpany	Exh	aust E	ngine Family	: SFM4.0180	i1EK
Evap Standar	d: 50K <u>X</u>	Useful Life w	ith R/L		Evap Fami	iy: SFM1045	AYP0A
Exhaust Std:	Tier 0 Tier 1	<u>Χ</u> TLEV ι	.EV	ULEV .	ZEV ; I	EPA Tier 0	Tier 1
Vehicle Class	(es): PC LD	T1 <u>X</u> LDT2	MD	)V1 _	MDV2 MD	V3 MDV4	MDV5
Single Cert St	d for Multi-Class	Eng Fam: _	<u>N/A</u> (s	pecify I	N/A, LDT1, M	DV1, MDV2, I	MDV3, MDV4)
Exh Cert Fuel	(s): Indo <u>X</u> Ph M85 <u>CN</u>	2 Diese 3 LPG	l: 13 C Other (	CR 22 specify	82 or 40 C	FR 86.113-90	O or -94
Fuel Type(s):	Dedicated   CNG LNG	Flex-Fuel LPG	Dual-Fi _ Othe	uel r (spec	Gasoline <u>X</u> cify)	Diesel _ M	185 <u> </u>
Hybrid: Type	A B C	, APU Cy	cle (e.ç	g., Otto	, Diesel, Turt	oine)	
Engine Config	j: <u>V6</u>	Liter (CID)	: 4.0 (	244)			
Engine: Front	X Mid Re	ar Driv	ve: FW	'D 1	RWD <u>X</u> 4W	D-FT 4W[	D-PT
Exhaust ECS (Use abbrev	& Special Featuriations per SAE	res: <u>SFI/HO<sub>2</sub></u> J1930, Sep 9	<u>S/EGR</u> 1)	<u>/TWC (</u> :	2) / 2H025	10802	
Engine Code	Vehicle Models	Trans. Type A-Automatic		DPA	Ignition (PCM)	EGR	Catalyst
(California)		M-Manual			Part No.		Part No.
557S R06A/N	Ranger 4x2 RC SWB	M5	3500 3500*	11.2 12.3		F3DE-AA/ F37E-CA	
	RC LWB		3625# 3625*				
	Mazda B4000 4x2 RC SWB	2	3500 3625*	11.2 12.3			
	RC LWB		3500# 3625*	11.2 12.3			

ENGINE FAMILY: SFM4.018G1EK ISSUED: 12-01-94 REVISED: 3-31-95

<sup>\*</sup> with air conditioning # per Running Change 4.0-122

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

Manufacturer:	Ford Motor Con	npany	Exha	aust Er	ngine Family:	SFM4.018G	IEK
Evap Standard	1: 50K <u>X</u> 1	Useful Life wit	h R/L _		Evap Family	: SFM1045A	YP0A
Exhaust Std:	Tier 0 Tier 1 _	X TLEV _ LI	EV _ (	JLEV _	_ ZEV ; E	PA Tier 0	_Tier 1
Vehicle Class(	es): PC LD1	r1 <u>X</u> LDT2	MD'	V1 I	MDV2 MDV	/3 MDV4 _	_ MDV5
Single Cert St	d for Multi-Class	Eng Fam: <u>N</u>	I/A (sp	ecify N	I/A, LDT1, MC	V1, MDV2, N	IDV3, MDV4)
Exh Cert Fuel(	(s): Indo <u>X</u> Pho M85 _ CNO	2 _ Diesel: 3 _ LPG _ C	: 13 Co Other (s	CR 228 (pecify)	32 or 40 Cl	FR 86.113-90	_ or -94
Fuel Type(s):	Dedicated F	lex-Fuel [	Oual-Fu Other	el (spec	Gasoline <u>X</u> ify)	Diesel M	35
Hybrid: Type	A B C _	APU Cy	cle (e.g	ı., Otto,	Diesel, Turbi	ine)	<del></del>
-	: <u>V6</u>					•	
	X Mid. Rea				_		-PT
Exhaust ECS (Use abbrev	& Special Featur iations per SAE	res: <u>SFI/HO<sub>2</sub>9</u> J1930, Sep 9	S/EGR/ 1)	TWC(2	)/2H024/083	0 Z	
Engine Code (California)	Vehicle Models	Trans. Type A-Automatic M-Manual		DPA	Ignition (PCM) Part No.	System	Catalyst Part No.
(California)	······································						
558S R15A/N	Ranger 4x2 RC SWB	A	3500 3625*	11.2 12.3	F57F-CTA	F3DE-AA/ F37E-CA	
	RC LWB		3625 3625*	11.2		-	
	Mazda B4000 4x0 RC SWB	2	3625 3625*		-		
	RC LWB	• . •	3625 3625*	11.2 12.3			÷

<sup>\*</sup> with air conditioning

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

Manufacturer:	Ford Motor Co	mpany	Exh	aust E	ngine Family:	SFM4.018G	1EK
Evap Standard	d: 50K <u>X</u>	Useful Life wi	ith R/L		Evap Famil	y: SFM1045A	YP0A
Exhaust Std:	Tier 0 Tier 1	<u>X</u> TLEV _ L	.EV	ULEV _	_ ZEV ; E	PA Tier 0	_ Tier 1
Vehicle Class	(es): PC LD	T1 <u>X</u> LDT2	МС	)V1	MDV2 _ MD	V3 MDV4 _	_ MDV5
Single Cert St	d for Multi-Class	Eng Fam: _I	<u>N/A</u> (s <sub>l</sub>	pecify I	N/A, LDT1, M	DV1, MDV2, M	MDV3, MDV4)
Exh Cert Fuel	(s): Indo <u>X</u> Ph M85 <u> </u>					FR 86.113-90	
Fuel Type(s):	Dedicated ( CNG LNG	Flex-Fuel LPG	Dual-Fu _ Othe	iel r (spec	Gasoline X	Diesel M8	35 <u> </u>
Hybrid: Type	A B C	, APU Cy	cle (e.g	g., Otto	, Diesel, Turb	ine)	
Engine Config	j: <u>V6</u>	Liter (CID)	: <u>4.0 (</u>	244)			
Engine: Front	X Mid. Rea	ar Driv	/e: FW	'D_ I	RWD <u>X</u> 4WI	D-FT 4WD	-PT
Exhaust ECS (Use abbrevi	& Special Featur lations per SAE	es: <u>SFI/HO<sub>2</sub></u> J1930, Sep 9	<u>S/EGR/</u> 1)	TWC[/	:) [2H025/e	P\$D2	
Engine Code	Vehicle Models	Trans. Type A-Automatic		DPA	Ignition (PCM)	EGR System	Catalyst
(California)		M-Manual			Part No.		Part No.
557S R15A/N	Ranger 4x2	M5	3500*	12.3	F57F-CZA	F37E-CA/ F3DE-AA	F57A-BD/ F57A-BC
	RC LWB		3625 3625*	11.2			
	Mazda B4000 4x2 RC SWB		3500 3625*	11.2 12.3			
	RC LWB		3500 3625*	11.2 12.3			

ENGINE FAMILY: SFM4.018G1EK ISSUED: 5-19-95 REVISED: 12-19-95

<sup>\*</sup> with air conditioning