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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-617 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: SFM2.318G1EK Displacement: 2.3 Liters (140 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter Sequential Multiport Fuel Injection Heated Oxygen Sensors (two) Exhaust Gas Recirculation 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 <u>Weight(lbs.)</u>	<u>Miles</u>	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <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	<u>Miles</u>	Non-Methane	Carbon	Nitrogen
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
0-3750	50,000	0.09	0.9	0.3
	100,000	0.11	1.0	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 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 October, 1994.

R. B. Summerfield Assistant Division Chief Mobile Source Division

1995 MODEL YEAR SUPPLEMENTAL DATA SHEET EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Mfgr, FORD	MOTOR COMPANY	Ext	naust Engi	ne Fam	ily: <u>SFM2.3</u>	18G1EK	
Engine Code T	ypes: CA <u>X</u> 49S_	50S Eva	aporative	Emissi	ons Family:	SFM1045AY	POA
Exh Std: Tier	-0 Tier-1_X	TLEV LEV	ULEV	z	EV EPA T	IER-O	TIER-1
Evap Std: 50	K <u>X</u> Useful Lif	e with R/L	In-Use E	xh Std	: Full In Us	e Alt	In Use
Veh Class(es)	: PC LDT1_X	LDT2MDV	/1 MDV	2	MDV3 MDV	/4MDV5	i
Single Cert S	td for Multi-Cla	ss Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	IDV3,MDV4)
Exh Cert Fuel	(s): Indo <u>X</u> Ph M85 CN	2 Diesel: G LPG	13 CCR 22	82	or 40CFR 86.	113-90	or -94
Fuel Type(s):	Dedicated - Gasoline X D	Flex Fuel	Dual-Fuel				
Hybrid: Type	A B C	_, APU Cycl	.e (eg,	Otto,	Other (Diesel, Turb	ine)	
Engine Config Valves/Cyl:	Disp	lacement: 2.	3L (140)	12 0	Liters (Cubi	c Inches)	
Engine: From	2 t_X_MidRe	ar Dri	.ve: Fwd_	RW	<u>5000 RPM</u> D <u>X</u> 4WD-F1	4WD-I	PT_X_
Exhaust Contro	ol System and Sp	ecial Features	TWC. SF	I. HO25	E EGR OBD	7 71020 5	
				Drevia	tions per SA	E J1930 SE	(P91)
	Vehicle Models (if coded see		1		Ignition	EGR	Catalytic
CA/49ST/50ST	attachment)	M-Manual	or Test Wt	RLHP	(ECM/PCM) Part No.	System Part No.	1
550T ROOA/N	Mazda 4x2	A4	• •••••••••••••••••••••••••••••••••••		F57F-MA	F57E-BA	F57A-DB F57A-DC
	RC SWB		3375	11.2			
	RC LWB		3500* 3500	12.3 11.2		•	
			3500*	12.3			
	Ranger 4x2						
	RC SWB		3375	11.2			
			3500*	12.3			
	RC LWB		3375	11.2		•	
			3500*	12.3			
549T ROOA/N	Mazda 4x2	M5			F57F-KA	n	n
J471 ROOM/R	RC LWB	MJ	3500	11.2	F5/F-KA	••	**
	****		3500*	12.3			
	RC SWB		3375	11.2			
			3373*	12.3		•	
	SC SWB		3625	11.2			
			3625*	12.3			
* with air con	nditioning veh	icle Codes:					
	lst	character: = regular					
Engine Family: SFM2	S	- super	9.17.02 - 1				
Issued:	and and	character:	7.11.06 ' (
Revised: JUL 2	9 1994	≈ cab * van * wagon					

3rd character: S = short L = long

1995 MODEL YEAR SUPPLEMENTAL DATA SHEET EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS PASSENGER CARS, LIGHT-DUTY AND MEDIUM-DUTY TRUCKS

Migr. FORD M	OTOR COMPANY	Exh	aust Engi	ne Fam	ily: <u>SFM2.3</u>	18G1EK	
Engine Code Ty	pes: CA <u>X</u> 49S_	50S Eva	porative l	Emissi	ons Family:_	SFM1045AYP	0A
Exh Std: Tier-	0 Tier-1_X_	TLEVLEV_	ULEV_	ZE	EPA T	IER-0	TIER-1
Evap Std: 50K	X Useful Life	with R/L	In-Use Ex	h Std:	Full In Use	Alt	In Use
Veh Class(es):	PCLDT1_X_	LDT2MDV	1 MDV2	!1	IDV3 MDV	4 MDV5	
Single Cert St	d for Multi-Clas	ss Eng Fam: N	<u>/A</u> (spe	cify:	N/A, LDT1,M	OV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel(s): Indo X Ph2	Diesel: 1	13 CCR 228	2 c	r 40CFR 86.	L13-90	or -94
Fuel Type(s):	Dedicated]	G LPG (Flex Fuel)	Dual-Fuel				
Hybrid: Type	Gasoline X Di A B C	lesel M85_ _, APU Cycl	CNG e (eg, (_ LPG_ Otto, 1	Other (: Diesel, Turb	specify) ine)	
Valves/Cyl; 2	<u>I-4</u> Disp X Mid Rea	Rat	ed HP· 11	เรล	SOOO DDM	•	T_X_
	l System and Spe						
			(Use ab	previa	tions per SA	E J1930 SE	P91)
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)		ETW or Test Wt	DPA or RLHP	(ECM/PCM)	EGR System Part No.	Catalytic Converter Part No.
549Q R00A/N	Mazda 4x4	M5			F57F-HA	F57E-BA	
	RC LWB		3625	12.0			F57A-DC
	RC SWB			13.2			
	NO SWD			12.0			
	Ranger 4x4		3625*	13.2			
	RC LWB		3625	12.0			
			3625*	13.2			
	RC SWB		3625*	12.0			
			3625*	13.2			

* with air conditioning

Vehicle Codes:

lat character:
R = regular
S = super
C = club

2nd character:
K = cab
V = van
W = wagon

lrd character:
S = short
L = long

ENGINE FAMILY: SFM2.318G1EK ISSUED: JUL 2 9 1994

Migr. FORD	MOTOR COMPANY	Exh	aust Engi	ne Fam	ily: <u>SFM2,3</u>	18G1EK	
Engine Code T	ypes: CA <u>X</u> 49S_	50S Eva	porative	Emissi	ons Family:_	SFM1045AYF	OA
Exh Std: Tier	-0 Tier-1_X	TLEVLEV_	ULEV	ZE	EV EPA T	IER-0	TIER-1
Evap Std: 50	K <u>X</u> Useful Life	with R/L	In-Use E	kh Std:	Full In Use	e Alt	In Use
Veh Class(es)	: PCLDT1_X	LDT2MDV	1 MDV:	2 1	MDV3 MDV	4 MDV5	
Single Cert S	td for Multi-Clas	ss Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,MI	DV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph2	P Diesel: : G LPG (13 CCR 22	82 <u> </u>	or 40CFR 86.	113-90	or -94
	Dedicated	Flex Fuel	Dual-Fuel	ecity)			
Hybrid: Type	Gasoline X D: A B C	, APU Cycl	e (eg,	_ LPG_ Otto, I	Other (Diesel, Turb	specify) ine)	
Engine Config Valves/Cyl: _ Engine: Fron	<u>I-4</u> Disp 2 c_X Mid_ Rea	lacement: 2. Rat Dri	3L (140) ed HP: <u>1</u> ve: Fwd_	13 @ RW	Liters (Cubi <u>5000</u> RPM D <u>X</u> 4WD-FT	c Inches)	PT_X_
Exhaust Contr	ol System and Spe	ecial Features			S(L)EGR OBO tions per SA		EP91)
Engine Code (also list CA/49ST/50ST	(if coded see	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	, ,	EGR System Part No.	Catalytic Converter Part No.
550T R05A/N	Mazda 4x2	A4			F57F-HB	F57E-BA	
	RC LWB		3500	11.2			F57A-DC
	RC SWB		3375	11.2			
	RC LWB		3500*	12.3			
	RC SWB		3500*	12.3			
	Ranger 4x2						
	RC LWB		3375	11.2			
	RC SWB		3375	11.2			
	RC LWB		3500*	12.3			
	RC SWB		3500*	123			

* with air conditioning

Engine Family: SFM2.318G1EK Issued: Revised: OCT 1 0 1994

Mfgr. <u>FORD</u>	MOTOR COMPANY	Exh	aust Engi	ne Fami	ly: <u>SFM2.3</u>	18G1EK	· · · · · · · · · · · · · · · · · · ·
Engine Code T	ypes: CA <u>X</u> 49S_	50S Eva	porative	Emissio	ns Family:_9	SFM1045AYP	0A
Exh Std: Tier	-0Tier-1_X	TLEVLEV_	ULEV_	ZE	V EPA TI	ER-0	TIER-1
Evap Std: 50	K <u>X</u> Useful Life	e with R/L	In-Use Ex	xh Std:	Full In Use	Alt	In Use
Veh Class(es)	: PC LDT1_X	LDT2 MDV	1 MDV:	2 M	DV3 MDV4	4 MDV5	
Single Cert S	td for Multi-Cla	ss Eng Fam: N	<u>/A</u> (spe	ecify:	N/A, LDT1,MI	DV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph M85 CN	2 Diesel: : G LPG	13 CCR 228	82 o	r 40CFR 86.1	113-90	or -94
<pre>Fuel Type(s):</pre>	Dedicated Gasoline_X D	Flex Fuel	Dual-Fuel		Other (snecify)	
Hybrid: Type	A BC	APU Cycl	e (eg,	Otto, I	iesel, Turb	ine)	
Valves/Cyl: _	<u>I-4</u> Disp <u>2</u> t <u>X</u> Mid_ Re	Rat	ed HP: 1	13 @	5000 RPM	·	PT_X_
Exhaust Contr	ol System and Sp	acial Fastures	mia on	T 11000	/2000	-	
	or ayacem and ap	ectat Leacates					
	or bystem and bp	ectal reacures.			ions per SA		EP91)
Engine Code	Vehicle Models		(Use ab				•
Engine Code (also list	Vehicle Models (if coded see	Trans. Type	(Use ab	DPA or	ions per SA Ignition (ECM/PCM)	E J1930 SE EGR System	Catalytic Converter
Engine Code	Vehicle Models (if coded see	Trans. Type	(Use ab	DPA or	ions per SA Ignition	E J1930 SE EGR System	Catalytic Converter
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see	Trans. Type	(Use ab	DPA or	ions per SA Ignition (ECM/PCM)	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB	Trans. Type A-Automatic M-Manual	(Use ab	DPA or	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375	DPA or RLHP	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500*	DPA or RLHP	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375*	DPA or RLHP 11.2 11.2 12.3 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625	DPA or RLHP 11.2 11.2 12.3 12.3 11.2	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375*	DPA or RLHP 11.2 11.2 12.3 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625 3625*	DPA or RLHP 11.2 11.2 12.3 12.3 11.2	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625 3625*	DPA or RLHP 11.2 12.3 12.3 12.3 11.2	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No.
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB Ranger 4x2 RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625* 3375 3375	DPA or RLHP 11.2 12.3 12.3 11.2 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No. F57A-DB F57A-DC
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625* 3375 3375 3375	DPA or RLHP 11.2 11.2 12.3 12.3 11.2 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No. F57A-DB F57A-DC
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB RC LWB RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625* 3375 3375 3375* 3375*	DPA or RLHP 11.2 11.2 12.3 12.3 11.2 12.3 11.2 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No. F57A-DB F57A-DC
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment) Mazda 4x2 RC LWB RC SWB RC LWB RC SWB SC SWB SC SWB SC SWB SC SWB RC LWB RC SWB	Trans. Type A-Automatic M-Manual	(Use ab ETW or Test Wt 3500 3375 3500* 3375* 3625* 3375 3375 3375	DPA or RLHP 11.2 11.2 12.3 12.3 11.2 12.3	Ignition (ECM/PCM) Part No.	E J1930 SE EGR System Part No.	Catalytic Converter Part No. F57A-DB F57A-DC

^{*} with air conditioning

MIGI. FORD P	UTOR COMPANY	Exh	aust Engi	ne Fami	.ly: <u>_SFM2,3</u>]	L8G1EK	
Engine Code Ty	pes: CA <u>X</u> 49S	50S Eva	porative	Emissio	ons Family:	SFM1045AYP	0 <u>A</u>
Exh Std: Tier-	0Tier-1_X_	TLEV LEV_	ULEV_	ZE	V EPA TI	ER-0	TIER-1
Evap Std: 50k	(<u>X</u> Useful Life	with R/L	In-Use Ex	kh Std:	Full In Use	Alt :	In Use
Veh Class(es):	PCLDT1_X	LDT2MDV	1 MDV:	2 M	IDV3 MDV4	MDV5	
Single Cert St	d for Multi-Clas	s Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,MD	OV1,MDV2,MI	DV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph2	Diesel:	13 CCR 228	82 0	r 40CFR 86.1	L13-90	or -94
<pre>Fuel Type(s):</pre>	Dedicated H	LPG Clex Fuel 1	Dual-Fuel				
Hybrid: Type	Gasoline_X Di A B C	., APU Cycl	CNG e (eg,	_ LPG_ Otto, I	Other (s Diesel, Turb	specify) ine)	
Valves/Cvl: 2	<u>I-4</u> Disp	Rat	ad HD. 1	13 0	SAAA BBM	-	
Engine: Front	X Mid Rea	ir Dri	ve: Fwd_	RWI	X 4WD-FT	4WD - P	T_X_
Exhaust Contro	ol System and Spe	ecial Features			EGR CED		P91)
Engine Code	Vehicle Models	Trans. Type	ETW	, DPA ,	Ignition	EGR	, Catalytic
(also list	(if coded see	A-Automatic	or	or			Converter
CA/49ST/50ST	attachment)	M-Manual	Test Wt	RLHP	Part No.	Part No.	Part No.
549Q R05A/N	Mazda 4x4	M5	***		F57F-НВ	F57E-BA	F57A-DB F57A-DC
	RC LWB		3625	12.0			
	RC SWB		3625	12.0			
	RC LWB		3625*				
	RC SWB		3625*	13.2			
	Ranger 4x4						
	RC LWB		3625	12.0			
	RC SWB		3625	12.0			
	RC LWB		3625*	13.2			
	RC SWB		3625*	13.2			

^{*} with air conditioning

Mfgr. FORD	MOTOR COMPANY	Exh	aust Engi	ne Fam	ily: <u>SFM2.3</u>	18G1EK	
Engine Code 1	Types: CA <u>X</u> 49S_	50S Eva	porative	Emissi	ons Family:_	SFM1045AYP	0A
	r-0 Tier-1_X						
	OK <u>X</u> Useful Life						
Veh Class(es)): PC LDT1_X	LDT2MDV	1 MDV	21	MDV3MDV	4 MDV5	
Single Cert S	Std for Multi-Cla	ss Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel Fuel Type(s)	$l(s): Indo_X Phi$	2 Diesel: G LPG Flex Fuel iesel M85	13 CCR 22 Other (sp Dual-Fuel CNG	82 c ecify)	or 40CFR 86.	113-90	or -94
Engine: From	nt <u>X</u> MidRe	Rat ar Dri	ed HP; <u>l</u> ve: Fwd_	.13 @ RW	_ <u>5000</u> _ RPM D <u>X</u> _ 4WD-FT	4WD-F	T <u>X</u>
Exhaust Conti	col System and Spe	ecial Features	TWC. SF (Use ab	I. HO29 brevia	E(2)EGR CBN tions per SA	2 E J1930 SE	P91)
Engine Code (also list CA/49ST/50ST	(if coded see	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	(ECM/PCM)	EGR System Part No.	Catalytic Converter Part No.
550T R06A/N	Mazda 4x2	A4		•	F57F-MC	F57E-BA	
	RC LWB RC SWB RC LWB RC SWB		3500 3375 3500* 3500*	11.2 11.2 12.3 12.3			F57A-DC
	Ranger 4x2 RC LWB RC SWB RC LWB RC SWB		3375 3375 3500* 3375*	11.2 11.2 12.3 12.3			

Engine Family: SFM2.318G1EK Issued: Revised: 007 1 2 1994

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^{*} with air conditioning

Mfgr. FORD	OTOR COMPANY	Exha	aust Engir	ne Fami	ly: <u>SFM2.31</u>	8G1EK	<u> </u>
Engine Code Ty	ypes: CA <u>X</u> 49S	_ 50S Eva	porative H	Emissio	ons Family: S	FM1045AYP(DA
Exh Std: Tier	-0Tier-1_X_	TLEV LEV_	ULEV_	ZE	V EPA TI	ER-0 T	TER-1
Evap Std: 50	K <u>X</u> Useful Life	with R/L	In-Use Ex	h Std:	Full In Use	Alt I	n Use
Veh Class(es)	: PC LDT1_X_	LDT2 MDV1	LMDV2	<u></u> .	IDV3MDV4	MDV5_	
Single Cert S	td for Multi-Clas	s Eng Fam: <u>N</u>	<u>/A</u> (spe	cify:	N/A, LDT1,MD	V1, MDV2, MI	OV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph2	Diesel: 1	13 CCR 228	32 c	r 40CFR 86.1	.13-90 0	or -94
Fuel Type(s):	Dedicated F Gasoline_X_ Di	LPG (lex Fuel)	Dual-Fuel		Other (s	specify)	
Hybrid: Type	A B C	, APU Cycl	e (eg,	Otto, 1	Diesel, Turb	ine)	
Volume /Carl	<u>I-4</u> Displ 2 t <u>X Mid</u> Rea	Rat	ed HP: l	13 (d	5000 RPM		T_X_
Exhaust Contr	ol System and Spe	cial Features	TWC. SFI	<u>I. HO29</u> brevia	(4)EGR . 680. tions per SA	<u>7</u> E J1930 SE	P91)
Engine Code (also list CA/49ST/50ST	(if coded see	Trans. Type A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	(ECM/PCM)	EGR System Part No.	Catalytic Converter Part No.
550T R00A/N	Mazda 4x2	A 4			F57F-MA	F57E-BA	F57A-DB F57A-DG
	RC LWB		3375	11.2			
	Ranger 4x2 RC SWB		3500*	12.3			
550T R05A/N	Mazda 4x2 RC LWB	A4	3375	11.2	F57F-MB	n	н
	Ranger 4x2 RC SWB		3500*	12.3			
550T R06A/N	Ranger 4x2 RC SWB	A4	3500*	12.3	F57F-MC	n	н

^{*} with air conditioning

migr. FORD	MOTOR COMPANY	Exh	aust Engi	ne Fam	ily: <u>SFM2.3</u>	18G1EK	·
Engine Code T	ypes: CA <u>X</u> 49S_	50S Eva	porative :	Emissi	ons Family:_	SFM1045AYP	0a
Exh Std: Tier	-0 Tier-1_X_	TLEVLEV_	ULEV_	ZF	V EPA T	IER-01	TIER-1
Evap Std: 50	K <u>X</u> Useful Life	e with R/L	In-Use Ex	kh Std:	Full In Us	e Alt I	In Use
Veh Class(es)	: PCLDT1_X_	LDT2MDV	LMDV2	2 M	IDV3MDV	4 MDV5_	
Single Cert St	td for Multi-Clas	ss Eng Fam: <u>N</u>	<u>'A</u> (spe	cify:	N/A, LDT1,M	DV1,MDV2,MD	OV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph2	2 Diesel: 1	3 CCR 228	32	r 40CFR 86.	l13-90 o	or -94
<pre>Fuel Type(s):</pre>	Dedicated]	G LPG (Flex Fuel I	Dual-Fuel				
Hybrid: Type	Gasoline X Di	APU Cycl	e (eg, (_ LPG_ Otto, I	Other (: Diesel, Turb	specify) ine)	
Engine Config Valves/Cyl: _2	<u>I-4</u> Disp:	lacement: 2.	3L (140)	I	iters (Cubi	c Inches)	
Engine: Front	2 t_X Mid_ Rea	r Dri	ve: Fwd_	RWI) X 4WD-FT	4WD-P1	r <u>x</u>
Exhaust Contro	ol System and Spe	cial Features_	TWC. SFI	HO2S	(z)EGR 080 Lions per SA	<u>ک</u>	
			,	010114	rous her SW	F 11330 2F	P91)
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW or	DPA or		EGR System	P91) Catalytic Converter Part No.
(also list	(if coded see attachment)	A-Automatic	ETW or	DPA or	Ignition (ECM/PCM)	EGR System Part No.	Catalytic Converter Part No. F57A-DB
(also list CA/49ST/50ST	(if coded see attachment)	A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
(also list CA/49ST/50ST	(if coded see attachment) Mazda 4x2	A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No. F57A-DB
(also list CA/49ST/50ST	(if coded see attachment) Mazda 4x2 RC LWB	A-Automatic M-Manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No. F57A-DB
(also list CA/49ST/50ST	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2	A-Automatic M-Manual	ETW or Test Wt 3375 3750*	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No. F57A-DB
(also list CA/49ST/50ST 549T ROOA/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750*	DPA or RLHP	Ignition (ECM/PCM) Part No. F57F-KA	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375*	DPA or RLHP	Ignition (ECM/PCM) Part No. F57F-KA	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375*	DPA or RLHP 11.2 12.3 12.3	Ignition (ECM/PCM) Part No. F57F-KA	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375*	DPA or RLHP 11.2 12.3 12.3	Ignition (ECM/PCM) Part No. F57F-KA F57F-KB	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N 549T RO5A/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB RC LWB SC SWB RC LWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375*	DPA or RLHP	Ignition (ECM/PCM) Part No. F57F-KA	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N 549T RO5A/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB RC LWB SC SWB RC LWB RC LWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375* 3375* 3750*	DPA or RLHP 11.2 12.3 12.3	Ignition (ECM/PCM) Part No. F57F-KA F57F-KB	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N 549T RO5A/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB RC LWB SC SWB RC LWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375* 3375* 3750*	DPA or RLHP 11.2 12.3 12.3 12.3	Ignition (ECM/PCM) Part No. F57F-KA F57F-KB	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC
(also list CA/49ST/50ST 549T ROOA/N 549T RO5A/N	(if coded see attachment) Mazda 4x2 RC LWB SC SWB RC LWB Mazda 4x2 RC LWB SC SWB RC LWB	A-Automatic M-Manual M5	ETW or Test Wt 3375 3750* 3375* 3375* 3750*	DPA or RLHP 11.2 12.3 12.3 12.3	Ignition (ECM/PCM) Part No. F57F-KA F57F-KB	EGR System Part No. F57E-BA	Catalytic Converter Part No. F57A-DB F57A-DC

* with air conditioning

Engine Family: SFM2.318G1EK Issued:

20.09.17.02 - 9

Mfgr. <u>FORD</u>	MOTOR COMPANY	Ex	haust Engi	ne Fan	nily: <u>SFM2,3</u>	18G1EK	
Engine Code	Types: CA <u>X</u> 49S_	50S Ev	aporative	Emissi	ons Family:_	SFM1045AYI	POA
Exh Std: Ties	r-0 Tier-1 <u>X</u>	TLEV LEV	ulev	z	EV EPA T	IER-0	TIER-1
Evap Std: 50	OK <u>X</u> Useful Lif	e with R/L	In-Use E	xh Std	: Full In Us	e Alt	In Use
Veh Class(es)): PCLDT1_X	LDT2MDV	/1 MDV	2	MDV3MDV	4 MDV5	·
Single Cert S	Std for Multi-Cla	ss Eng Fam: <u>N</u>	<u>V/A</u> (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel	l(s): Indo X Ph	2 Diesel:	13 CCR 22	82	or 40CFR 86.	113-90	or -94
Fuel Type(s):	M85 CN : Dedicated	Flex Fuel	Dual-Fuel	ecity)	Och		
Hybrid: Type	Gasoline_X D B	_, APU Cyc	le (eg	Otto,	Other (Diesel, Turb	ine)	
Unlarge /Cull	g <u>I-4</u> Disp <u>2</u> nt <u>X</u> Mid Re	n -	3 HT. 3	12 0	FOOD BRIV	•	PT_X_
Exhaust Contr	col System and Spe	ecial Features			S(2) EGR <u>0892</u> tions per SA		P91)
Engine Code (also list CA/49ST/50ST	(if coded see			DPA or RLHP	(ECM/PCM)	EGR System Part No.	Catalytic Converter Part No.
550T R15A/N	Ranger/Mazda 4x2	2 A4		•	F57F-CDA	F57E-BA	F57A-DB F57A-DC
	RC LWB		3375	11.2			rs/A-bc
	RC SWB	•	3500 * 3375	12.3 11.2			
	KC SWB		3500 *	12.3			
549T R15A/N	Ranger/Mazda 4x2 RC LWB	2 M2	3375	11.2	F57F-CBA	H	H
	RC SWB		3375 * 3375	12.3 11.2			-
	SC SWB	=	3375* 3625	12.3	·		
	Ranger o	only)	3625*	11.2 12.3			
	(Mazda or		3750*	12.3		_	•

^{*} with air conditioning

Mfgr. FORD	MOTOR COMPANY	Ext	naust Engi	ne Fam	ily: <u>SFM2.</u>	318G1 <u>e</u> K	·
Engine Code T	ypes: CA <u>X</u> 49S_	50 S Eva	aporative	Emissi	ons Family:	SFM1045AYF	0A
	-0 Tier-1_X						
Evap Std: 50	K <u>X</u> Useful Lif	e with R/L	In-Use E	xh Std:	Full In Us	e Alt	In Use
Veh Class(es)	: PCLDT1_X_	LDT2MDV	'1 MDV	2 M	IDV3MDV	4 MDV5	
Single Cert S	td for Multi-Cla	ss Eng Fam: <u>N</u>	<u>/A</u> (sp	ecify:	N/A, LDT1,M	DV1,MDV2,M	DV3,MDV4)
Exh Cert Fuel	(s): Indo X Ph	2 Diesel:	13 CCR 22	82 o	r 40CFR 86.	113-90	or -94
	Dedicated	Flex Fuel	Other (sp Dual-Fuel	ecify)			
	Gasoline X D A B C	iesel M85	CNG	LPC	Other (Diesel, Turb	specify) ine)	
varves/cyt; .	<u>I-4</u> Disp 2 t <u>X</u> Mid <u>Re</u> a	Rat	ed HP· 1	13 A	SAAA BDM		T_X_
	ol System and Spe						
		-,			ions per SA		P91)
Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual		or	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
549Q R15A/N	Ranger/Mazda 4x4	M5		·	F57F-CAA	F57E-BA	
	RC LWB (Mazda o	only)	3750	12.0			F57A-DC
	/=	• .	3750*	13.2@			
	(Ranger	only)	3625	12.0			
	RC SWB			13.2@			
• .			3625*	12.0 13.2@		_	
				_			

^{*} with air conditioning a DPA = 13.3 with P215/75R15 tires