State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-534 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 1993 model-year exhaust emission control systems are certified as described below for light-duty trucks:

<u>Fuel Type</u>: Gasoline

Engine Family: PFM4.0T5FCC6 Displacement: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Exhaust Gas Recirculation

Dual Heated Oxygen Sensors

Three Way Catalytic Converter

Three Way Catalytic Converters (Two) Sequential Multiport Fuel Injection

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 <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>
3751-5750	50,000	0.32	4.4	1.0
	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(1bs.)	Miles	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>
3751-5750	50,000	0.10	1.6	0.5
	100,000	0.10	1.9	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

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" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 10 day of August, 1992.

R. B/ Summerfield/ Assistant Division Chief

Mobile Source Division

Manufacturer Ford Motor Company	Page <u>1 of 6</u> Engine Family <u>PFM4.0T5FCC6 (P4.0TCC)</u>
Passenger Car (PC) Light-Duty Truck T-2	
Stds Type: <u>Tier 1</u> (Tier 0/1, AB965, TLEV,	LEV, ULEV) Veh Type: (FFV, HEV)
Fuel Type: Gasoline Evap Family HM Eng	ine Conf <u>V-6</u> Liter (CID) <u>4.0 (244)</u>
Engine: Front X Mid Rear Drive	: FWD RWD _X 4WD-FT 4WD-PT _X
Exhaust ECS & Special Features (including Ca (Use abbreviations per SAE J1930, May 91)	rb, MFI, etc.) <u>EGR/HO2S/TWC/SFI</u>

Engine Code (Cert Std)	Vehicle Models (If Coded see attachment)	Trans. Type A-Auto M-Manual	Equiv. Test Weight	DPA	Ign. System (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
357TR00A/N	Ranger 4x2 SC SWB	M5	3750*#	12.4	F37F-LA	E6AE-BA	F37A-HC
	Ranger 4x4 RC SWB RC LWB SC SWB		3750*# 3750# 3875* 4000 4000*#	12.0 13.3 12.0			
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^{*} With air conditioning

ENGINE FAMILY: P4.OTCC

SSUED: `7-22-92

REVISED: MAY 1 3 1993

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[#] Revised per R/C 4.0-102; also removed 4x2 RCS non-A/C and 4x4 SCS non-A/C

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Manufactur	er <u>Ford Motor C</u>	ompany		Engin	e Family <u>PF</u>	Page M4.OT5FCC6	e <u>2 of 6</u> (P4,0TCC)
Passenger	Car (PC) Ligh	t-Duty Tr	uck <u>T-2</u> (T1/T2) Medium-Dut	y Vehicle _	(M1-M5)
Stds Type:	Tier 1 (Tier 0	/1, AB965	, TLEV, L	EV, U	LEV) Veh T	ype:	(FFV, HEV)
Fuel Type:	<u>Gasoline</u> Evap	Family _	<u>HM</u> Engi	ne Coi	nf <u>V-6</u> Li	ter (CID) _	4.0 (244)
Engine: Fro	ont X Mid R	ear	Drive:	FWD _	RWD X	4WD-FT	4WD-PT X
Exhaust ECS (Use abbrew	S & Special Featu viations per SAE	res (incl J1930, Ma	uding Car y 91)	b, MF	I, etc.) <u>E</u> (GR/HO2S/TWC) /SFI
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type A-Auto	Equiv. Test	DPA	Ign. System (ECM/PCM)	EGR System	Catalyst
(Cert Std)	accacrimenc)	M-Manual			Part No.	Part No.	Part No.
357RR00a/N	Explorer 4x2 2 Door SWB	M5	4000	11.3	F37F-AGA	E6AE-BA	F37A-HC
	4 Door LWB		4250* 4250 4250*	12.4 11.3 12.4			•
	Explorer 4x42 Door SWE	k	4250 4250* 4500	12.0 13.2 12.0		•	
			4500*	13.2			
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* With air conditioning

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ENGINE FAMILY: P4.0TCC ISSUED: JUL 2 2 1992 REVISED:

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Manufactur	er <u>Ford Motor (</u>	Company		Engin	e Family PF	Pag M4.0T5FCC6	e 3 of 6 (P4.0TCC)
Passenger	Car (PC) Ligh	t-Duty Tr	uck <u>T-2</u> (T1/T2) Medium-Dut	y Vehicle _	(M1-M5)
Stds Type:	Tier 1 (Tier 0	/1, AB965	, TLEV, I	EV, U	LEV) Veh T	ype:	(FFV, HEV)
Fuel Type:	<u>Gasoline</u> Evap	Family _	HM Engi	ne Co	nf <u>V-6</u> Li	ter (CID) _	4.0 (244)
Engine: Fre	ont X Mid R	ear	Drive:	FWD	RWD _X	4WD-FT	4WD-PT
Exhaust EC: (Use abbrev	S & Special Featu viations per SAE	res (inclu J1930, May	uding Car y 91)	b, MF	I, etc.) <u>E</u>	GR/HO2S/TWC	7sfi
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type A-Auto	Equiv. Test Weight	DPA	Ign. System (ECM/PCM)	EGR System	Catalyst
(Cert Std)		M-Manual			Part No.	Part No.	Part No.
358UROOA/N	Ranger 4x2 SC SWB	A4	3750# 3875*	11.3 12.4	F37F-PA	E6AE-BA	F37A-HC
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ENGINE FAMILY: P4.0TCC ISSUED: 7-22-92 REVISED: MAY 1 3 1993

^{*} With air conditioning # Revised per R/C 4.0-102

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Manufacture	er <u>Ford Motor C</u>	ompany		Engin	e Family <u>PF</u>	14.0T5FCC6	(P4.OTCC)
Passenger (Car (PC) Ligh	t-Duty Tru	uck <u>T-2</u> (T1/T2) Medium-Dut	y Vehicle _	(M1-M5)
Stds Type:	<u>Tier 1</u> (Tier 0	/1, AB965	TLEV, L	EV, U	LEV) Veh T	ype:	(FFV, HEV)
Fuel Type:	<u>Gasoline</u> Evap	Family <u>I</u>	<u>iM</u> Engi:	ne Coi	nf <u>V-6</u> Li	ter (CID)	.0 (244)
	ont X Mid R						
Exhaust ECS (Use abbrev	S & Special Featur Viations per SAE 、	res (inclu J1930, May	uding Carl 791)	o, MF	I, etc.) <u>E</u> (GR/HO2S/TWC/	SFI
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	DPA	Ign. System (ECM/PCM)	EGR System	Catalyst
(Cert Std)		M-Manual	worghe		Part No.	Part No.	Part No.
358PR00a/'n	Explorer 4x2 2 Door SWB 4 Door LWB	A4	4000 4250* 4250 4250*	11.3 12.4 11.3 12.4		E6AE-BA	F37A-HC
	Explorer 4x4 2 Door SWB 4 Door LWB		42 50 - 4250* 4500 4500*	12.0 13.2 12.0 13.2			

* With air conditioning

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ENGINE FAMILY: P4.0TCC ISSUED: JUL 2 2 1992 REVISED:

Manufactur	er <u>Ford Motor</u>	Company	Engine	Family	PFM4.0	Pag T5FCC6	e <u>5 of 6</u> (P4.OTCC)
Passenger	Car (PC) Light	nt-Duty Truck <u>T</u> -	<u>2</u> (T1/T2)	Medium	-Duty Ve	hicle _	(M1-M5)
Stds Type:	Tier 1 (Tier	D/1, AB965, TLEV	, LEV, UL	EV) V	eh Type:		(FFV, HEV)
Fuel Type:	Gasoline Eva	Family HM E	ngine Con	f <u>V-6</u>	Liter	(CID)	4.0 (244)
Engine: Fr	ont X Mid I	lear Dri	ve: FWD _	RWD _	<u>X</u> 4WD-	FT	4WD-PT X
	S & Special Feat Viations per SAE		Carb, MFI	, etc.)	EGR/H	O2S/TWC	/SFI
Fngine	Vehicle Models	Trans Faui	- DDA	Ten Suc	tom ECP	Systom	Catalyat

Engine Code (Cert Std)	Vehicle Models (If Coded see attachment)	Trans. Type A-Auto M-Manual	Equiv. Test Weight	DPA	Ign. System (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
358TROOA/N	Ranger 4x4 RC SWB RC LWB SC SWB	A 4	3750# 3875* 3875 3875* 4000# 4250*	12.0 13.3 12.0 13.3 12.0 13.3	F37F-NA	E6AE-BA	F37A-HC
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ENGINE FAMILY: P4.0TCC

ISSUED: 17-22-92 REVISED: MAY 1 3 1993

^{*} With air conditioning # Revised per R/C 4.0-102

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er Ford Motor C	ompany		Engine	Family <u>PF</u>	14.0T5FCC6	(P4,0TCC)
Car (PC) Ligh	t-Duty Tr	uck <u>T-2</u> ('	r1/ T2]) Medium-Duty	y Vehicle _	(M1-M5)
<u>Tier 1</u> (Tier 0,	/1, AB965	, TLEV, L	EV, UI	LEV) Veh Ty	/pe:	(FFV, HEV)
Gasoline Evap	Family <u>l</u>	<u>lM</u> Engi	ne Cor	nf <u>V-6</u> Lit	er (CID) _2	4.0 (244)
ont X Mid R	ear	Drive:	FWD _	RWD X	WD-FT 4	WD-PT X
S & Special Featur viations per SAE	res (inclu J1930, May	uding Carl y 91)	b, MF	[, etc.) <u>EC</u>	2 (2 GR/HO2S/TWC,) /SFI
Vehicle Models (If Coded see	Trans. Type	Equiv. Test Wéight	DPA	Ign. System (ECM/PCM)	EGR System	Catalyst
decidental,	M-Manual			Part No.	Part No.	Part No.
Explorer 4x2 2 Door SWB 4 Door LWB	A4	4000 4250* 4250 4250*	11.3 12.4 11.3 12.4	F37F-SA	E6AE-BA	F37A-HC
Explorer 4x4 2 Door SWB 4 Door LWB		4250 4250* 4500 4500*				
	Explorer 4x2 2 Door SWB Explorer 4x4 2 Door SWB	Tier 1 (Tier 0/1, AB965 Gasoline Evap Family in the X Mid Rear S Special Features (includations per SAE J1930, May Vehicle Models (If Coded see attachment) Explorer 4x2 A4 2 Door SWB 4 Door LWB Explorer 4x4 2 Door SWB	Tier 1 (Tier 0/1, AB965, TLEV, LETTER 1 (Tier 1 (Tier 1 (Tier 0/1, AB965, TLEV, LETTER 1 (Tier 1 (Tie	Tier 1 (Tier 0/1, AB965, TLEV, LEV, UI Gasoline Evap Family HM Engine Core ont X Mid Rear Drive: FWD S & Special Features (including Carb, MF) viations per SAE J1930, May 91) Vehicle Models Trans. Equiv. Test A-Auto M-Manual Explorer 4x2 A-Auto M-Manual Explorer 4x4 A-Auto M-Manual	Engine Family PFT Ford Motor Company	Engine Family PFM4.0T5FCC6 Car

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ENGINE FAMILY: P4.0TCC ISSUED: JUL 2 2 1992

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^{*} With air conditioning