State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-665 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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Ford Motor Company exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: TFM4.028G2FK Displacement: 4.0 Liters (244 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors
Heated Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) TLEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (1bs.)	<u>Miles</u>	NMOG	<u></u>	NOx	<u>нсно</u>	CO (20°F)
3751-5750	50,000	0.160	4.4	0.7	0.018	12.5
	100,000	0.200	5.5	0.9	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for NMOG reflect application of a 0.98 RAF for 1996 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle <u>Weight (lbs.)</u>	Miles	<u>NMOG</u>	_ <u>CO</u> _	NOx	<u>нсно</u>	CO (20°F)
3751-5750	50,000	0.072	1.0	0.6	0.002	3.6
	100,000	0.077	1.4	0.6	0.003	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 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 the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent 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 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 the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 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 13 day of July 1995.

R. B Summerfield

Assistant Division Chief Mobile Source Division

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer	: Ford Motor Co	ompany	Ext	naust E	Engine Famil	y: TFM4.028	G2FK
Evap Standar	d: 50K	Useful Life w	ith R/L	<u> </u>	Evap Fan	nily: TFM112	0AYMED
Exhaust Std:	Tier 0 Tier 1	_ TLEV <u>X</u>	LEV _	ULEV	ZEV;	EPA Tier 0	Tier 1
Vehicle Class	(es): PC L[DT1 _ LDT2	<u>X</u> M	DV1 _	MDV2 MI	DV3 MDV4	MDV5
Single Cert S	td for Multi-Class	s Eng Fam:	<u>N/A</u> (s	pecify	N/A, LDT1, N	MDV1, MDV2,	MDV3, MDV4)
Exh Cert Fuel	(s): Indo Ph M85 CN	2 <u>X</u> Diese G _ LPG _	el: 13 C Other (CR 22 specify	82 or 40 ')	CFR 86.113-9	90 or -94
Fuel Type(s):	Dedicated CNG LNG	Flex-Fuel LPG	Dual-Fi _ Othe	uel r (spec	Gasoline X	_ Diesel I	M85
Hybrid: Type	A B C	, APU C	ycle (e.ç	g., Otto	, Diesel, Tur	bine)	
Engine Config	p: <u>V-6</u>	Liter (CID)): <u>4.0 (</u>	244)			
Engine: Front	<u>X</u> Mid Re	ar Dri	ve: FW	ו _ ס׳	RWD <u>X</u> 4W	/D-FT 4W	D-PT <u>X</u>
Exhaust ECS	& Special Featu	res: SFI/HO2	2S/EGR	rwc/	z) /2 HO25		
(Use abbrevi	iations per SAE	J1930, Sep 9)1)	<u> </u>	27 500		
	iations per SAE Vehicle Models	J1930, Sep 9 Trans. Type	91) ETW		Ignition	EGR	Catalyst
		J1930, Sep 9 Trans. Type A-Automatic	ETW	DPA	Ignition (PCM)	EGR System Part No.	<u>-</u>
Engine Code (California)		J1930, Sep 9 Trans. Type A-Automatic	ETW	DPA	Ignition (PCM) Part No.	System	Part No.
Engine Code (California)	Vehicle Models Explorer 4X2 2 Door SWB	J1930, Sep 9 Trans. Type A-Automatic M-Manual	ETW:	DPA	Ignition (PCM) Part No.	System Part No.	Part No.
Engine Code (California)	Vehicle Models Explorer 4X2	J1930, Sep 9 Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (PCM) Part No.	System Part No.	Part No.
Engine Code (California) 658RR00A/N	Vehicle Models Explorer 4X2 2 Door SWB	J1930, Sep 9 Trans. Type A-Automatic M-Manual A	ETW:	DPA	Ignition (PCM) Part No.	System Part No.	Part No.
Engine Code (California) 658RR00A/N	Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4	J1930, Sep 9 Trans. Type A-Automatic M-Manual A	ETW:	DPA	Ignition (PCM) Part No.	System Part No.	Part No.
Engine Code (California) 658RR00A/N	Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4 With P225/70R1 2 Door SWB 4 Door LWB	J1930, Sep 9 Trans. Type A-Automatic M-Manual A A 5 Tires	4250 4500	DPA 12.0 12.2	Ignition (PCM) Part No.	System Part No.	Part No.

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer:	Ford Motor Co	mpany	Exha	aust Ei	ngine Family	TFM4.028G	2FK
Evap Standar	d: 50K	Useful Life with	h R /L _	<u>X</u>	Evap Fami	ly: TFM1120	AYMED
Exhaust Std:	Tier 0 Tier 1	TLEV <u>X</u> LI	EV _ L	JLEV _	_ ZEV ; I	EPA Tier 0	_ Tier 1
Vehicle Class	(es): PC LD	T1 LDT2 _	X MD	V1 _ I	MDV2 MD	V3 MDV4	MDV5
Single Cert St	d for Multi-Class	Eng Fam: N	<u>I/A</u> (sp	ecify N	N/A, LDT1, M	DV1, MDV2, I	MDV3, MDV4)
Exh Cert Fuel	(s): indo Phi M85 CNo	2 <u>X</u> Diesel: G LPG C					
Fuel Type(s):	Dedicated CNG LNG	Flex-Fuel [LPG	Oual-Fu Other	el (spec	Gasoline <u>X</u> ify)	Diesel M	85
Hybrid: Type	A B C	, APU Cyd	cle (e.g.	., Otto,	Diesel, Turb	oine)	
Engine Config	p: <u>V-6</u>	Liter (CID):	4.0 (2	<u>(44)</u>			
Engine: Front	_X_ Mid Re	ar Drive	e: FW[)_ F	RWD <u>X</u> 4W	D-FT 4WE)-PT <u>X</u>
Exhaust ECS	& Special Featur	res: <u>SFI/HO29</u>	S/EGR/	TWC	2)/2H025		
(Use abbrevi	iations per SAE	J1930, Sep 91)	•	grades, 2 day - San		
(Use abbrevi	iations per SAE	J1930, Sep 91)			System	-
(Use abbreving Engine Code (California)	Vehicle Models	J1930, Sep 91 Trans. Type A-Automatic M-Manual)		Ignition (PCM) Part No.	System Part No.	Part No.
(Use abbreving Engine Code (California)	Vehicle Models Explorer 4X2	J1930, Sep 91 Trans. Type A-Automatic M-Manual	ETW	DPA _.	Ignition (PCM) Part No.	System	Part No.
(Use abbreving Engine Code (California)	Vehicle Models	J1930, Sep 91 Trans. Type A-Automatic M-Manual	ETW	DPA _.	Ignition (PCM) Part No.	System Part No.	Part No.
(Use abbreville) Engine Code (California) 658RR05A/N	Vehicle Models Explorer 4X2 2 Door SWB	J1930, Sep 91 Trans. Type A-Automatic M-Manual A	ETW	DPA_	Ignition (PCM) Part No.	System Part No.	Part No.
(Use abbreville) Engine Code (California) 658RR05A/N	Vehicle Models Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4	J1930, Sep 91 Trans. Type A-Automatic M-Manual A A 5 Tires	ETW 4250 4500	DPA_	Ignition (PCM) Part No.	System Part No.	Part No.
(Use abbrevial) Engine Code (California) 658RR05A/N	Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4 With P225/70R1 2 Door SWB	J1930, Sep 91 Trans. Type A-Automatic M-Manual A 5 Tires	ETW 4250 4500	12.0 12.2	Ignition (PCM) Part No.	System Part No.	Part No.

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer:	Ford Motor Cor	mpany	Exh	aust E	ingine Family	: TFM4.028	G2FK
Evap Standar	d: 50K	Useful Life w	ith R/L	X	Evap Fam	nily: TFM112	OAYMED
Exhaust Std:	Tier 0 Tier 1	TLEV <u>X</u>	LEV _	ULEV	ZEV ;	EPA Tier 0	Tier 1
Vehicle Class	(es): PC LD	T1 _ LDT2	2 <u>X</u> M	DV1 _	_ MDV2 N	IDV3 _ MD\	/4 MDV5 _
Single Cert St	td for Multi-Class	Eng Fam:	<u>N/A</u> (N	/A, LD	T1, MDV1, N	IDV2, MDV3	, M D∨4)
Exh Cert Fuel	(s): Indo Phi	2 X Diese	el: 13 C	CR 22	282 _ or 40	CFR 86.113-	90 or -94 _
	M85 _ CN0	G LPG	Other (specify	·)		•
Fuel Type(s):	Dedicated I CNG LNG	Flex-Fuel LPG	Dual-F	uel r (spe	Gasoline <u>X</u> cify)	_ Diesel	M85
Hybrid: Type	A B C	, APU C	ycle (e.g	g., Otto	o, Diesel, Tur	bine)	
Engine Config	: <u>V-6</u>	Liter (CID): <u>4.0 (</u>	<u>244)</u>			
	X Mid Rea			_	_		VD-PT <u>X</u>
Exhaust ECC	& Special Featur	0511110			1-3 /	_	
(Use abbrev	a Special Featuliations per SAE	res: <u>SFI/HO</u> J1930, Sep 9	<u>2S/EGR</u> 11)	<u>/TWC</u>	(Z)/2#02	5	
(Use abbrevi	vehicle Models	J1930, Sep 9 Trans. Type	11) ETW		Ignition	EGR	Catalyst
(Use abbrevi	iations per SAE 、	J1930, Sep 9	11) ETW			EGR System	·
(Use abbreving Engine Code (California)	iations per SAE 、	J1930, Sep 9 Trans. Type A-Automatic M-Manual	11) ETW		Ignition (PCM) Part No.	EGR System	Part No.
(Use abbreving Engine Code (California)	vehicle Models	J1930, Sep 9 Trans. Type A-Automatic M-Manual	11) ETW		Ignition (PCM) Part No.	EGR System Part No.	Part No.
(Use abbreving Engine Code (California) 658RR10A/N	Vehicle Models Explorer 4X2 2 Door SWB 4 Door LWB	J1930, Sep 9 Trans. Type A-Automatic M-Manual	ETW :	DPA	Ignition (PCM) Part No.	EGR System Part No.	Part No.
(Use abbreving Engine Code (California) 658RR10A/N	Vehicle Models Explorer 4X2 2 Door SWB	J1930, Sep 9 Trans. Type A-Automatic M-Manual A	ETW :	DPA	Ignition (PCM) Part No.	EGR System Part No.	Part No.
(Use abbreving Engine Code (California) 658RR10A/N	Vehicle Models Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4	J1930, Sep 9 Trans. Type A-Automatic M-Manual A	ETW :	DPA	Ignition (PCM) Part No.	EGR System Part No.	Part No.
(Use abbreville) Engine Code (California) 658RR10A/N	Explorer 4X2 2 Door SWB 4 Door LWB Explorer 4X4 With P225/70R15	J1930, Sep 9 Trans. Type A-Automatic M-Manual A A Tires	4250 4500	DPA 12.0 12.2	Ignition (PCM) Part No.	EGR System Part No.	Part No.

ENGINE FAMILY: TFM4.028G2FK ISSUED: OCT 0 4 1995