State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-702 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 Ford Motor Company 1997 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VFM3.028G1FK Displacement: 3.0 Liters (183 Cubic Inches)

Emission Control Systems & 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 certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle <u>Weight (lbs.)</u>	Miles	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	Carbon <u>Monoxide (20°F)</u>	
3751-5750	50,000	0.32	4.4	0.7	12.5	
	100,000	0.40	5.5	0.97	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	Carbon
Weight (lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20°F)</u>
3751-5750	50,000	0.18	1.4	0.1	2.5
	100,000	0.22	1.5	0.13	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is vertifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gases (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 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 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)(6.2) ("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 33 day of July 1996.

R. B. Summerfield Assistant Division Chief

Mobile Source Division

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM3.028G1FK Evap Standard: 50K X Useful Life with R/L Evap Family: VFM1045AYPBA Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 __ Tier 1 __ Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _ Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 _ CNG _ LPG _ Other (specify) ___ Fuel Type(s): Dedicated _ Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _ CNG __ LNG __ LPG __ Other (specify) _____ Hybrid: Type A __ B __ C __, APU Cycle (e.g., Otto, Diesel, Turbine) ____ Engine Config: V-6 Liter (CID): 4.0 (244.1) Engine: Front_X_Mid.__ Rear__ Drive: FWD __ RWD_X_4WD-FT __ 4WD-PT_X Exhaust ECS & Special Features: SFI/2HO2S/EGR/ TWC(2)/Ho25 (Use abbreviations per SAE J1930, Sep 91) Engine Code Vehicle Models Trans Type ETW DPA Ignition

(California)	verticle Models	A-Automatic M-Manual		DPA	(PCM)	EGR System	Catalyst
(Odmornia)		IVI-IVIAITUAI			Part No.	Part No.	Part No.
756SR00N	B-Series 4x2 SKS	L4	3750	11.2	-12A650- F77F-SA	-9D475-	<u>- 5E212-</u>
			5130	11.2	(Pre-Prod)	F87E-AA	F77A-NB
					F77C-SA	F37E-CA (A	(L1)
756SR00A	B-Series 4x2 SKS	L4	3750	12.3	F770-8A		
	Ranger 4x2 SKS	L4	3750*	12.3			
756RR00N	Ranger 4x4 RKL	L4	3875	12.8#	F77F-RA (Pre	Drod\	
	Ranger 4x4 RKS	L4	3875	12.8#	F77C-RA		
	Ranger 4x4 SKS	L4	4000	12.8#	1770-177		
	B-Series 4x4 RKL		3875	12.8#			
	B-Series 4x4 RKS	L4	3875	12.8#			
	B-Series 4x4 SKS	L4	4000	12.8#			
756RR00N	Ranger 4x4 RKL	L4	3875	14.1&			
	Ranger 4x4 RKS	L4	3875	14.1&			
	Ranger 4x4 SKS	L4	4250	14.1&			
	B-Series 4x4 RKL	L4	3875	14.1&		•	
	B-Series 4x4 RKS	L4	3875	14.18			
	B-Series 4x4 SKS	L4	4000*	14.1&			

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6.

ENGINE FAMILY: VFM3.028G1FK

ISSUED: 4/26/96 REVISED: 7/26/96

[#] If tire is P215/75R15 use DPA of 12.4.

Manufacture	: Ford Motor Comp	any	Ext	naust E	ngine Family:	VFM3.028G	1FK	
Evap Standard: 50K X Useful Life with R/L Evap Family: VFM1045AYPBA								
Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 Tier 1								
Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _								
Single Cert S	td for Multi-Class E	ng Fam: <u>N</u>	<u>l/A</u> (spe	ecify N/	A, LDT1, MD\	/1, MDV2, MI	DV3, MDV4)	
Exh Cert Fue	Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 CNG LPG Other (specify)							
Fuel Type(s):	Dedicated Flex						-	
Hybrid: Type	A B C,	APU Cycle	e (e.g., C	Otto, Di	esel, Turbine)			
Engine Confi	g: <u>V-6</u> Liter	(CID): <u>4.0</u>	(244,1)					
Engine: Front	t_X_Mid Rear_	_ Drive: FV	VD 1	RWD <u>)</u>	4WD-FT_	4WD-PT_X	, L	
	& Special Features riations per SAE J19			V_TWC	<u>:(2)/H025</u>	•		
Engine Code	Vehicle Models			DPA			Catalyst	
(California)		∖-Automatio И-Manual			(PCM) Part No. -12A650-	Part No.		
755SR00A	B-Series 4x2 SKS	M5	3750	12.3		F87E-AA	F77A-NB	
755RR00N	Ranger 4x4 RKL Ranger 4x4 RKS	M5 M5	3875 3750*		F77F-VA (Pre F77C-VA	-Prod)		
	Ranger 4x4 SKS	M5	4000	12.8#	1770-474			
ı	B-Series 4x4 RKL	M5	3875	12.8#				
	B-Series 4x4 RKS	M5	3750*	12.8#				
	B-Series 4x4 SKS	M5	4000	12.8#				
755RR00N	Ranger 4x4 RKL	M5	3875	14.1&				
•	Ranger 4x4 RKS	M5	3875	14.18				
			-					
	Ranger 4x4 SKS	M5	4000	14.1&				
	B-Series 4x4 RKL	M5 M5	4000 3875	14.1& 14.1&				

ENGINE FAMILY: VFM3.028G1FK

& If tire is P215/75R15 use DPA of 13.6. # If tire is P215/75R15 use DPA of 12.4.

ISSUED: 4/26/96 REVISED: 7/26/96 20.09.17.02 - 2

* Ford elects to conduct certification tests in the next higher ETW.

Manufacture	r: Ford Motor Com	pany	Ex	haust E	ingine Family:	VFM3.028G	1 <u>FK</u>	
Evap Standa	rd: 50K <u>X</u> Us	eful Life with	n R/L _	E	vap Family: <u>\</u>	/FM1045AYP	BA_	
Exhaust Std:	Tier 0 _ Tier 1 <u>X</u>	TLEV_LE	V _ UL	.EV _ 2	EV_; EPA	Tier 0 Tier	1_	
Vehicle Class	s(es): PC _ LDT1	LDT2	<u>X</u> M	DV1 _ !	MDV2 _ MDV	3 _ MDV4 _	MDV5_	
Single Cert S	itd for Multi-Class E	ing Fam: <u>N</u>	<u>/A</u> (spe	ecify N/	A, LDT1, MD\	/1, MDV2, MC	V3, MDV4)	
Exh Cert Fue	l(s): Indo <u>X</u> Ph2 M85 _ CNG _	Diesel: _ LPG Ot	13 CC her (sp	R 2282 ecify) _	_ or 40 CFR	86.113-90	or -94 _ 	
Fuel Type(s):	Dedicated Fle	x-Fuel _ D _ LPG (ual-Fue Other (s	el _ Ga specify)	asoline X Die	esel M85 _		
Hybrid: Type	A B C,	APU Cycle	(e.g., 0	Otto, Die	esel, Turbine)		<u> </u>	
Engine Confi	g: <u>V-6</u> Liter	(CID): <u>4.0 (</u>	<u>244.1)</u>					
Engine: Front	Engine: Front_X_Mid Rear Drive: FWD RWD_X_4WD-FT 4WD-PT_X_							
Exhaust ECS & Special Features: SFI/2HO2S/EGR/ TWO(2)/HO2S (Use abbreviations per SAE J1930, Sep 91)								
Exhaust ECS (Use abbrev	& Special Features iations per SAE J19	s: <u>SFI/2HO2</u>	2S/EGF					
(Use abbrev	iations per SAE J19 Vehicle Models 3	s: <u>SFI/2HO2</u> 930, Sep 91 Frans. Type	2S/EGF) ETW	₹/ TWC	(z)/H025	EGR	Catalyst	
(Use abbrev	iations per SAE J19 Vehicle Models	s: <u>SFI/2HQ2</u> 930, Sep 91 Frans. Type N-Automatic	2S/EGF) ETW	₹/ TWC	Ignition (PCM)	EGR System	Catalyst	
(Use abbrev Engine Code (California)	iations per SAE J19 Vehicle Models 7	s: <u>SFI/2HO2</u> 930, Sep 91 Frans. Type A-Automatic M-Manual	2S/EGF) ETW	₹/ TWC	(z)/H025	EGR	Catalyst Part No.	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models B-Series 4x2 SKS	s: <u>SFI/2HO2</u> 930, Sep 91 Frans. Type A-Automatic M-Manual M5	2S/EGF) ETW	₹/ TWC	Ignition (PCM) Part No. -12A650-	EGR System Part No.	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California)	Vehicle Models B-Series 4x2 SKS Ranger 4x4 RKL	s: <u>SFI/2HO2</u> 930, Sep 91 Frans. Type A-Automatic M-Manual M5	2S/EGF) ETW 3750 3750*	DPA 12.3 12.8#	Ignition (PCM) Part No.	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Vehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5	2S/EGF) ETW 3750 3750	DPA 12.3 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5	2S/EGF) ETW 3750 3750* 3750 4000	DPA 12.3 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5	2S/EGF) ETW 3750 3750 3750 4000 3875	DPA 12.3 12.8# 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL B-Series 4x4 RKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5	2S/EGF) ETW 3750 3750 4000 3875 3750	DPA 12.3 12.8# 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5	2S/EGF) ETW 3750 3750 3750 4000 3875	DPA 12.3 12.8# 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL B-Series 4x4 RKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5 M5	2S/EGF) ETW 3750 3750 4000 3875 3750	DPA 12.3 12.8# 12.8# 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A 755RR05N	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL B-Series 4x4 SKS B-Series 4x4 SKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5 M5 M5	3750 3750 3750 3750 4000 3875 3750 4000	DPA 12.3 12.8# 12.8# 12.8# 12.8#	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A 755RR05N	Vehicle Models Wehicle Models B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL B-Series 4x4 RKS B-Series 4x4 RKS Ranger 4x4 RKS Ranger 4x4 RKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5 M5 M5 M5 M5	3750 3750 3750 3750 4000 3875 3750 4000 3875	DPA 12.3 12.8# 12.8# 12.8# 12.8# 12.8# 14.1&	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A 755RR05N	B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 RKS B-Series 4x4 RKS Ranger 4x4 RKS	S: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5 M5 M5 M5 M5 M5	3750 3750 3750 3750 4000 3875 3750 4000 3875 3750*	DPA 12.3 12.8# 12.8# 12.8# 12.8# 12.8# 14.1& 14.1&	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	
(Use abbrev Engine Code (California) 755SR05A 755RR05N	B-Series 4x2 SKS Ranger 4x4 RKL Ranger 4x4 RKS B-Series 4x4 RKS Ranger 4x4 RKS Ranger 4x4 RKS Ranger 4x4 RKS	s: SFI/2HO2 930, Sep 91 Frans. Type A-Automatic M-Manual M5 M5 M5 M5 M5 M5 M5 M5 M5 M5 M5	3750 3750 3750 3750 4000 3875 3750 4000 3875 3750 4000	DPA 12.3 12.8# 12.8# 12.8# 12.8# 14.18 14.18 14.18	Ignition (PCM) Part No. -12A650- F77F-WB	EGR System Part No. -9D475- F87E-AA	Catalyst Part No 5E212- F77A-NB	

^{*} Ford elects to conduct certification tests in the next higher ETW.

ENGINE FAMILY: VFM3.028G1FK ISSUED: 7/26/96

ISSUED: 7/26/96 REVISED:

[&]amp; If tire is P215/75R15 use DPA of 13.6.

[#] If tire is P215/75R15 use DPA of 12.4.

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM3.028G1FK Evap Standard: 50K X Useful Life with R/L Evap Family: VFM1045AYPBA Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 _ Tier 1 _ Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _ Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 _ CNG _ LPG _ Other (specify) _____ Fuel Type(s): Dedicated __ Flex-Fuel __ Dual-Fuel __ Gasoline X_ Diesel __ M85 _ CNG __ LNG __ LPG __ Other (specify) _ Hybrid: Type A __ B __ C __, APU Cycle (e.g., Otto, Diesel, Turbine) __ Engine Config: <u>V-6</u> Liter (CID): 4.0 (244.1) Engine: Front_X Mid.__ Rear__ Drive: FWD __ RWD_X 4WD-FT __ 4WD-PT X Exhaust ECS & Special Features: SFI/2HO2S/EGR/ TWC(2) / H625 (Use abbreviations per SAE J1930, Sep 91) Engine Code Vehicle Models Trans. Type ETW DPA Ignition **EGR** Catalyst A-Automatic (PCM) System (California) M-Manual Part No. Part No. Part No. -12A650--9D475-- 5E212-756SR00N B-Series 4x2 SKS L4 3750 11.2 F77F-SA F87E-AA F77A-NB F37E-CA (ALT) (Pre-Prod) F77C-SA 756SR00A B-Series 4x2 SKS L4 3750 12.3 Ranger 4x2 SKS L4 3750* 12.3 756RR00N Ranger 4x4 RKL L4 3875 12.8# F77F-RA (Pre-Prod) Ranger 4x4 RKS L4 3875 12.8# F77C-RA Ranger 4x4 SKS L4 4000 12.8# B-Series 4x4 RKL L4 3875 12.8#

3875

4000

3875

3875

4250

3875

3875

4000*

12.8#

12.8#

14.1&

14.1&

14.1&

14.1&

14.1&

14.1&

B-Series 4x4 RKS

B-Series 4x4 SKS

Ranger 4x4 RKL

Ranger 4x4 RKS

Ranger 4x4 SKS

B-Series 4x4 RKL

B-Series 4x4 RKS

B-Series 4x4 SKS

L4

L4

L4

L4

L4

L4

L4

ENGINE FAMILY: VFM3.028G1FK

756RR00A

ISSUED: 4/26/96

REVISED: 7/26/96 12/12/96

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6. # If tire is P215/75R15 use DPA of 12.4.

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM3.028G1FK Evap Standard: 50K X Useful Life with R/L Evap Family: VFM1045AYPBA Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 __ Tier 1 __ Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _ Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 _ CNG _ LPG _ Other (specify) ___ Fuel Type(s): Dedicated __ Flex-Fuel __ Dual-Fuel __ Gasoline X_ Diesel __ M85 _ CNG __ LNG __ LPG __ Other (specify) _ Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) ____ Engine Config: V-6 Liter (CID): 4.0 (244.1) Engine: Front_X_Mid.__ Rear__ Drive: FWD __ RWD_X_4WD-FT __ 4WD-PT_X Exhaust ECS & Special Features: <u>SFI/2HO2S/EGR/: TWC(2)/HOLS</u> (Use abbreviations per SAE J1930, Sep 91) Engine Code Vehicle Models Trans. Type ETW DPA Ignition **EGR** Catalyst A-Automatic (PCM) System (California) M-Manual Part No. Part No. Part No. -12A650--9D475-- 5E212-755SR00A B-Series 4x2 SKS М5 3750 12.3 F77F-WA F87E-AA F77A-NB (Pre-Prod) F37E-CA (ALT) F77C-WA 755RR00N Ranger 4x4 RKL M5 3875 12.8# F77F-VA (Pre-Prod) Ranger 4x4 RKS М5 3750* 12.8# F77C-VA Ranger 4x4 SKS M5 4000 12.8# B-Series 4x4 RKL

3875

3750*

4000

3875

3875

4000

3875

3875

4000

12.8#

12.8#

12.8#

14.1&

14.1&

14.1&

14.1&

14.1&

14.1&

B-Series 4x4 RKS

B-Series 4x4 SKS

Ranger 4x4 RKL

Ranger 4x4 RKS

Ranger 4x4 SKS

B-Series 4x4 RKL

B-Series 4x4 RKS

B-Series 4x4 SKS

ENGINE FAMILY: VFM3.028G1FK

755RR00A

ISSUED: 4/26/96

REVISED: 7/26/96 12/12/96

M5

M5

M5

M5

M5

M5

M5

М5

M5

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6. # If tire is P215/75R15 use DPA of 12.4.

Manufacturer: Ford Motor Company

Manufacture	r: Ford Motor Con	npany	Ex	haust E	Ingine Family:	VFM3.028G	1FK
Evap Standa	rd: 50K <u>X</u> U	seful Life wit	h R/L _	&	Evap Family: <u>\</u>	√FM1045AYP	BA_
Exhaust Std:	Tier 0 _ Tier 1 _	TLEV_LE	V _ UL	.EV _ 2	ZEV_; EPA	Tier 0 Tier	1
Vehicle Class	s(es): PC _ LDT	1 LDT2	<u>_X</u> _M[DV1_I	MDV2 _ MDV	/3 _ MDV4 _	MDV5_
Single Cert S	td for Multi-Class	Eng Fam: _1	<u>I/A</u> (sp	ecify N/	A, LDT1, MD\	√1, MDV2, ME	DV3, MDV4)
Exh Cert Fue	el(s): Indo <u>X</u> Ph2 M85 _ CNG	! Diesel: LPGOt	13 CC her (sp	R 2282 ecify) _	_ or 40 CFR	86.113-90	or -94 _
Fuel Type(s):	Dedicated Fi	ex-Fuel D LPG ·	ual-Fue Other (s	el Ga specify)	asoline X Die	esel M85 _	
Hybrid: Type	A B C	, APU Cycle	e (e.g., (Otto, Di	esel, Turbine)		_
Engine Confi	g: <u>V-6</u> Lite	r (CID): <u>4.0 (</u>	(244.1)				
Engine: Front	X Mid. Rear	Drive: FV	VD	RWD <u>)</u>	4WD-FT_	4WD-PT_X	
Exhaust ECS (Use abbrev	& Special Feature iations per SAE J	es: <u>SFI/2HO</u> 1930, Sep 91	2S/EGF)	TWC	(2)/H025		
Engine Code	Vehicle Models	Trans. Type	ETW	DPA		EGR	Catalyst
(California)		A-Automatic M-Manual			(PCM) Part No.	System Part No. -9D475-	Part No.
756SR05N	B-Series 4x2 SKS	L4	3750	11.2	F77F-SB	F87E-AA	F77A-NB
756SR05A	B-Series 4x2 SKS Ranger 4x2 SKS		3750 3750	12.3 12.3		F37E-CA (AL	Γ)
756RR05N	Ranger 4x4 RKL Ranger 4x4 RKS Ranger 4x4 SKS B-Series 4x4 RKL	L4 L4	3875 3750 4000 3875	12.8# 12.8# 12.8# 12.8#	F77F-RB		
	B-Series 4x4 RKS		3875	12.8#			

4000

3875

3875

4000

3875

3875

4250

12.8#

14.1&

14.1&

14.1&

14.1&

14.1&

14.1&

B-Series 4x4 SKS

Ranger 4x4 RKL

Ranger 4x4 RKS

Ranger 4x4 SKS

B-Series 4x4 RKL

B-Series 4x4 RKS

B-Series 4x4 SKS

L4

L4

L4

L4

L4

L4

If tire is P215/75R15 use DPA of 12.4.

ENGINE FAMILY: VFM3.028G1FK

756RR05A

ISSUED: 7/26/96 REVISED: 12/12/96 20.09.17.02 - 3

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6.

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM3.028G1FK Evap Standard: 50K X Useful Life with R/L Evap Family: VFM1045AYPBA Exhaust Std: Tier 0 __ Tier 1 _X_TLEV _ LEV __ ULEV __ ZEV __; EPA Tier 0 ___ Tier 1 __ Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _ Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 _ CNG _ LPG _ Other (specify) ____ Fuel Type(s): Dedicated __ Flex-Fuel __ Dual-Fuel __ Gasoline X_ Diesel __ M85 _ CNG __ LNG __ LPG __ Other (specify) __ Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____ Engine Config: <u>V-6</u> Liter (CID): 4.0 (244.1) Engine: Front_X_Mid.__ Rear__ Drive: FWD __ RWD X_4WD-FT __ 4WD-PT _X_ Exhaust ECS & Special Features: <u>SFI/2HO2S/EGR</u>/ **TWO**(ユ) / #*ロ*ユイ (Use abbreviations per SAE J1930, Sep 91) Engine Code Vehicle Models Trans. Type ETW DPA Ignition EGR Catalyst A-Automatic (PCM) System (California) M-Manual Part No. Part No. Part No. -12A650--9D475-- 5E212-755SR05A B-Series 4x2 SKS M5 3750 12.3 F77F-WB F87E-AA F77A-NB F37E-CA (ALT) Ranger 4x4 RKL 755RR05N M5 3750* 12.8# F77F-VB Ranger 4x4 RKS М5 3750 12.8# Ranger 4x4 SKS M5 4000 12.8# B-Series 4x4 RKL М5 3875 12.8# **B-Series 4x4 RKS** M5 3750 12.8# B-Series 4x4 SKS М5 4000 12.8#

Ranger 4x4 RKL

Ranger 4x4 RKS

Ranger 4x4 SKS

B-Series 4x4 RKL

B-Series 4x4 RKS

B-Series 4x4 SKS

ENGINE FAMILY: VFM3.028G1FK

755RR05A

ISSUED: 7/26/96 REVISED: 12/12/96 M5

M5

М5

М5

M5

M5

3875

3750*

4000

3875

3875

4000

14.1&

14.18

14.1&

14.1&

14.1&

14.1&

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6.

[#] If tire is P215/75R15 use DPA of 12.4.

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Ford Motor Company Exhaust Engine Family: VFM3.028G1FK Evap Standard: 50K X Useful Life with R/L ____ Evap Family: VFM1045AYPBA Exhaust Std: Tier 0 _ Tier 1 X TLEV _ LEV _ ULEV _ ZEV _ ; EPA Tier 0 __ Tier 1 __ Vehicle Class(es): PC _ LDT1 _ LDT2 _X MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _ Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A, LDT1, MDV1, MDV2, MDV3, MDV4) Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94 M85 _ CNG _ LPG _ Other (specify) _____ Fuel Type(s): Dedicated _ Flex-Fuel _ Dual-Fuel _ Gasoline X Diesel _ M85 _ CNG __ LNG __ LPG __ Other (specify) _____ Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) ____ Engine Config: V-6 Liter (CID): 4.0 (244.1) Engine: Front_X Mid.__ Rear__ Drive: FWD __ RWD X 4WD-FT _ 4WD-PT X Exhaust ECS & Special Features: <u>SFI/2HO2S/EGR/_TWC(2)/H</u>c25 (Use abbreviations per SAE J1930, Sep 91) Engine Code Mehicle Models Trans Tune ETM DOA 1. W

	Vehicle Models	A-Automatic		DPA	Ignition (PCM)	EGR System	Catalyst
(California)		M-Manual	_		Part No. -12A650-	Part No. 9D475-	Part No. - 5E212-
756SR10N	B-Series 4x2 SKS	L4	3750	11.2	F77F-SC	F87E-AA	F77A-NB
						F37E-CA (AL	T)
756SR10A	B-Series 4x2 SKS	L4	3750	12.3		,	,
	Ranger 4x2 SKS	L4	3750	12.3			
756RR10N	Ranger 4x4 RKL	L4	3875	12.8#	F77F-RC		
	Ranger 4x4 RKS	L4	3750	12.8#			
	Ranger 4x4 SKS	L4	4000	12,8#			
	B-Series 4x4 RKL	L4	3875	12.8#			
	B-Series 4x4 RKS	L4	3875	12.8#			
	B-Series 4x4 SKS	L4	4000	12.8#			
756RR10A	Ranger 4x4 RKL	L4	3875	14.18			
	Ranger 4x4 RKS	L4	3875	14.1&			
	Ranger 4x4 SKS	L4	4000	14.1&			
	B-Series 4x4 RKL	L4	3875	14.1&			
	B-Series 4x4 RKS	L4	3875	14.1&			
	B-Series 4x4 SKS	L4	4250	14.1&			

^{*} Ford elects to conduct certification tests in the next higher ETW. & If tire is P215/75R15 use DPA of 13.6. # If tire is P215/75R15 use DPA of 12.4.

ENGINE FAMILY: VFM3.028G1FK

ISSUED: 12/12/96

REVISED:

Manufacturer	: Ford Motor Con	npany	Ex	haust E	ngine Family:	VFM3.028G	<u>1FK</u>
Evap Standa	rd: 50K <u>X</u> U	seful Life wit	h R/L _	E	vap Family: _	√FM1045AYP	BA
Exhaust Std:	Tier 0 _ Tier 1 _	TLEV _ LE	:V_UL	.EV 2	ZEV_; EPA	Tier 0 Tie	r 1 <u> </u>
Vehicle Class	s(es): PC _ LDT	1_ LDT2	_X_ ME	DV1 _ I	MDV2 _ MDV	/3 _ MDV4 _	MDV5_
Single Cert S	td for Multi-Class	Eng Fam: 1	<u>√A</u> (spe	ecify N/	A, LDT1, MD	V1, MDV2, MI	DV3, MDV4)
Exh Cert Fue	l(s): Indo <u>X</u> Ph2 M85 _ CNG	2 Diesel: LPG O	13 CCI ther (sp	R 2282 ecify) _	_ or 40 CFR	86.113-90	or -94 _
Fuel Type(s):	Dedicated FI	ex-Fuel D LPG	ual-Fue Other (s	el Ga specify)	asoline X Di	esel M85 _	
Hybrid: Type	A B C	, APU Cycle	e (e.g., C	Otto, Di	esel, Turbine)		_
Engine Config	g: <u>V-6</u> Lite	r (CID): <u>4.0</u>	(244.1)				
Engine: Front	X Mid Rear	Drive: FV	V D I	RWD _}	4WD-FT_	4WD-PT_X	-
Exhaust ECS (Use abbrev	& Special Feature iations per SAE J	es: <u>SFI/2HO</u> 1930, Sep 91	2S/EGF)	R/: TWC	(1)/HC25		
Engine Code	Vehicle Models			DPA			Catalyst
(California)		A-Automatic M-Manual	;		(PCM) Part No.	Part No.	
755SR10A	B-Series 4x2 SKS	M5	3750 -	12.3	-12A650- F77F-WC	-9D475- F87E-AA F37E-CA (AL	F77A-NB
755RR10N	Ranger 4x4 RKL	M5	3750*	12.8#	F77F-VC	1 37 E-OA (AL	')
	Ranger 4x4 RKS	M5	3750	12.8#			
	Ranger 4x4 SKS	M5					
	B-Series 4x4 RKL		3875	12.8#			
	B-Series 4x4 RKS	M5	3750	12.8#			

B-Series 4x4 SKS

Ranger 4x4 RKL

Ranger 4x4 RKS

Ranger 4x4 SKS

B-Series 4x4 RKL

B-Series 4x4 SKS

B-Series 4x4 RKS

M5

M5

М5

М5

M5

M5

М5

4000

3875

3750*

4000

3875

3875

4000

12.8#

14.1&

14.1&

14.1&

14.1&

14.1&

14.1&

755RR10A

^{*} Ford elects to conduct certification tests in the next higher ETW.

[&]amp; If tire is P215/75R15 use DPA of 13.6.

[#] If tire is P215/75R15 use DPA of 12.4.