#### State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-10-590 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 1995 model-year Ford Motor Company exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: SFM5.088G0JA <u>Displacement</u>: 5.0 Liters (302 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Plus Oxidation Catalytic Converter Secondary Air Injection 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	Miles	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>
<u>Weight(lbs.)</u> 3751-5750	50,000	0.50	9.0	1.0

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles_	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>
We Iduct 103.1	<del></del> ;		0.8	0.4
3751-5750	50,000	0.09	0.5	

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile exhaust emission standards applicable to 1994 model-year medium-duty vehicles in the "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on an exhaust emission compliance schedule submitted by the vehicle manufacturer for medium-duty vehicles, the listed vehicle models shall not be subject to the 50,000-mile and 120,000-mile standards applicable to 1995 and subsequent model-year medium-duty vehicles set forth 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" (Title 13, California Code of Regulations, Section 2235) 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 listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 18 day of April, 1994.

R. B. Summerfield Assistant Division Chief Mobile Source Division

Manufacturer: FORD MOTOR COMPANY

Eng. Family: SFM5.088G0JA (S5.080J)

Med-Duty Vehicle: M2 (M1/M2/M3/M4/M5) Pass Car:\_\_ (PC) Light-Duty Truck: (T1/T2) Standards Type: T-0 (Tier 0/1, AB965, TLEV, LEV, ULEV) Vehicle Type: (FFV, HEV(type A/B/C)\_ Fuel Type: Gasoline (Indolene) Evaporative Family: SFM1045AYM0A Liter (CID): 5.0L (302) Engine Config: V-8 L
Engine: Front X Mid. Rear Drive: FWD\_\_\_ RWD\_X 4WD-FT\_\_ 4WD-PT\_X

Exhaust ECS & Special Features: (incl. CARB, MFI TWC+OC, AIR, HO2S, EGR, SE! (Use abbreviations per SAE J1930 May91)

(000	,			DOA:	Ignition	EGR	Catalyst
Engine Code Vehicle Models (Cert Std.) (if coded see attachment)	Vehicle Models	A-Automatic	FIAA	DFA	(ECM/PCM)		•
	M-Manual			Part No.	Part No.	Part No.	
	Bronco 4X4	A	525013	.9/13.4#	F4TF-ABA	F3TE-DA	F4TA-LA
554PR00N	Bronco 4X4	Ä		,3/14.8#			
554PR00A					C47C ATA	F3TE-DA	F4UA-NA
454TR10N	E150 RVL 2WD I	RV A*	5250	14.0	F4TF-ATA	TOTE-DIT	• • • • • • • • • • • • • • • • • • • •
454TR10N	E150 RVL 2WD	Α*	5250	14.0			
454TR10A	E150 RVL 2WD	RV A*	5250	15.4			
454TR00N	E150 RVL 2WD	A*	5250	14.0	F4TF-BCA	F3TE-DA	F4TA-LA
454TR10N	E150 CWL 2WD	A*	5500	14.0	F41F-BCA	! O(E-D/	• • • • • • • • • • • • • • • • • • • •
454TR10A	E150 CWL 2WD	A*-	5500	15.4			
40,1111			4750	15.4	F4TF-ABA		
454RR10N	F150 SKL 4X2	A*		13.6	1 411 7 127		
454RR10N	F150 SKS 4X2	Ą*	4750	14.0	F4TF-ARA		
554PR00N	F150 SKL 4X2	Ą	5000	14.0	(411416)		
554PR00N	F150 SKS 4X2	A.	4750		F4TF-BCA		
454RR10A	F150 SKL 4X2	A*	5000	15.0	F41F-BOA		
454RR10A	F150 SKS 4X2	A*	4750	15.0	CATE ADA		
554PR00A	F150 SKL 4X2	Α	5000	15.4	F4TF-ABA		
554PR00A	F150 SKS 4X2	Α	4750	15.4			
			4500	14.0	F4TF-ARA		
454RR10N	F150 RKL 4X4	A*		14.0	1 411 4000		
454RR10N	F150 RKS 4X4	A*	4500	14.1	F4TF-ABA		
554PR00N	F150 RKL 4X4	Á	4750		1411 3707		
554PR00N	F150 RKS 4X4	A.	4750	14.1	F4TF-ARA		
454RR10A	F150 RKL 4X4	A*	4750	15.5	Let I Lawren		
454RR10A	F150 RKS 4X4	A*	4500	15.5	EATE ARA		
554PR00A	F150 RKL 4X4	Α	5000	15.5	F4TF-ABA		
554PR00A	F150 RKS 4X4	Α	4750	15.5	CATE ADA		Last Character
454RR10N	F150 SKL 4X4	A*	5000	14.1	F4TF-ARA		in Engine Code:
454RR10N	F150 SKS 4X4	A*	5000	14.1			<del>-</del>
554PR00N	F160 SKL 4X4	Α	5250	14.1			N = no A/C
554PR00N	F150 SKS 4X4	Α	5000	14.1			A = A/C
	F150 SKL 4X4	A*	5250	15.5			
454RR10A	F150 SKS 4X4	A*	5000	15.5			
454RR10A	F150 SKL 4X4	Α	5250	15.5			Vehicle Codes:
554PR00A	F150 SKS 4X4	Ä	5000	15.5			AGUICIE COGER:
554PR00A	F 100 510 474	••					1st character:
554QR00N	F250 RKL 4X2	Α	5000				R = regular
552QR00A	F250 RKL 4X2	A	5000	16.9	1		S = super C = club
* DUC Auto	omatic Transmissic	n	•				2nd character: K = cab
<i> #</i> ¥¥III. F∠0	,, , , , , , , , , , , , , , , , , , ,						V - can

Engine Family: S5.080J

Date Issued: 3-04-94

Revised:

20.09.17.02 - 1

W = wagon 3rd character: S = short L = long

V = van

Manufacturer: FORD MOTOR COMPANY

Eng. Family: <u>SFM5.088G0JA (S5.080J)</u>

Med-Duty Vehicle: M2 (M1/M2/M3/M4/M5) Pass Car:\_\_ (PC) Light-Duty Truck: T2 (T1/T2) Standards Type: T-0 (Tier 0/1, AB965, TLEV, LEV, ULEV) Vehicle Type: (FFV, HEV(type A/B/C)

Evaporative Family: SFM1045AYMQA Fuel Type: Gasoline

Liter (CID): 5.0L (302) Engine Config: V-8

Drive: FWD\_\_\_ RWD\_X 4WD-FT\_\_ 4WD-PT\_X Engine: Front X Mid. Rear\_

Exhaust ECS & Special Features: (incl. CARB, MFI TWC+QC, AIR, HO2S, EGR, SF) (Use abbreviations per SAE J1930 May91)

Engine Code (Cert Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
	Bronco 4X4	Α	525013	.9/13.4#	F5TF-GB	F3TE-DA	F4TA-LA
554PR10N		Â	525015	.3/14.8#			
554PR10A	Bronco 4X4	^	0200.5				
~~.004041	F150 SKL 4X2	A	5000	14.0	F5TF-GB		
554PR10N		Â	4750	14.0			
554PR10N	F150 SKS 4X2		5000	15.4			
554PR10A	F150 SKL 4X2	Ą	4750	15.4			
554PR10A	F150 SKS 4X2	A	4/30	13.7			
			4760	14.1	F5TF-GB		
554PR10N	F150 RKL 4X4	A	4750		F311-0D		
554PR10N	F150 RKS 4X4	A	4750	14.1			
554PR10A	F150 RKL 4X4	Α	5000	15.5			
554PR10A	F150 RKS 4X4	Α	4750	15.5			
<b>—</b>	F160 SKL 4X4	A	5250	14.1			
554PR10N	F100 SINE 4N4	Ä	5000	14.1			
554PR10N	F150 SKS 4X4		5250	15.5			
554PR10A	F150 SKL 4X4	À		15.5			
554PR10A	F150 SKS 4X4	A	5000	19.3			
		<b>A</b> '	5000	15.5	F5TF-HB		
554QR10N	F250 RKL 4X2	A.			,		
552QR10A	F250 RKL 4X2	A	5000	16.9			

# With P265 Tires

R/C 5.0-102

Engine Family: <u>\$5,080J</u>

Date Issued: 6-09-94

Revised:

20.09.17.02 - 2

Eng. Family: SFM5.088G0JA (S5.080J) Manufacturer: FORD MOTOR COMPANY

Med-Duty Vehicle: M2 (M1/M2/M3/M4/M5) Pass Car:\_\_ (PC) Light-Duty Truck: \_\_\_(T1/T2) Standards Type: T-0 (Tier 0/1, AB965, TLEV, LEV, ULEV) Vehicle Type: (FFV, HEV(type A/B/C)\_

Evaporative Family: <u>SFM1045AYM0A</u> Fuel Type: Gasoline

Liter (CID): 5.0L (302) Engine Config: V-8

Drive: FWD\_\_\_ RWD\_X\_ 4WD-FT\_\_\_ 4WD-PT\_X Engine: Front X Mid. Rear\_\_\_

Exhaust ECS & Special Features: (incl. CARB, MFI TWC+OC, AIR, HO2S, EGR, SF! (Use abbreviations per SAE J1930 May91)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR System	Catalyst
(Cert Std.)	(if coded see attachment)	A-Automatic M-Manual			(ECM/PCM) Part No.	Part No.	Part No.
	Bronco 4X4	A	525013	.9/13.4#	F4TF-ABB_	F3TE-DA	F4TA-LA
554PR00N	Bronco 4X4 Bronco 4X4	Â	525015	.3/14.8#	alt: F5TF-GA		
554PR00A	DIONCO TAT	-					m
454TR10N	E150 RVL 2WD R	IV A*	5250	14.0	F4TF-ATB	F3TE-DA	F4UA-NA
454TR10N	E150 RVL 2WD	A*	5250	14.0 a	t: F4TF-ATC		
454TR10A	E150 RVL 2WD F	IV A*	5250	15.4			
454TR10N	E150 RVL 2WD	A*	5250	14.0			
454TR10N	E150 CWL 2WD	A*	5500	14.0			
454TR10A	E150 CWL 2WD	A*	5500	15.4			
40411110V	E100 4110 -111					FOTE DA	F4TA-LA
454RR10N	F150 SKL 4X2	A*	4750	15.4	F4TF-ARB	F3TE-DA	741A-LA
454RR10N	F150 SKS 4X2	A*	4750	13.6			
554PR00N	F150 SKL 4X2	A	5000	14.0	F5TF-GA		
554PR00N	F150 SKS 4X2	Α	4750		it: F4TF-ABB		
454RR10A	F150 SKL 4X2	A*	5000	15.0	F4TF-ARB		
454RR10A	F150 SKS 4X2	A* ·	4750	15.0			
554PR00A	F150 SKL 4X2	Α	5000	15.4	F5TF-GA		
554PR00A	F150 SKS 4X2	Α	4750	15.4 8	alt: F4TF-ABB		
			4500	14.0	F4TF-ARB		
454RR10N	F150 RKL 4X4	A*	4500	14.0	F#1F-MILD		
454RR10N	F150 RKS 4X4	Ą*	4500	14.0 14.1	F5TF-GA		
554PR00N	F150 RKL 4X4	Ą	4750		alt: F4TF-ABB		
554PR00N	F150 RKS 4X4	A	4750	15.5	F4TF-ARB		
454RR10A	F150 RKL 4X4	A*	4750		FAILWAUD		
454RR10A	F150 RKS 4X4	A*	4500	15.5 15.5	F5TF-GA		
554PR00A	F150 RKL 4X4	Ą	5000	15.5	alt: F4TF-ABB		
554PR00A	F150 RKS 4X4	A	4750		F4TF-ARB		
454RR10N	F150 SKL 4X4	A*	5000	14.1	F41F•Anu		,
454RR10N	F150 SKS 4X4	Ą*	5000	14.1	F5TF-GA		
554PR00N	F160 SKL 4X4	Ą	5250	14.1	alt: F4TF-ABB		
554PR00N	F150 SKS 4X4	Ą.	5000				
454RR10A	F150 SKL 4X4	A*	5250	15.5	F4TF-ARB		
454RR10A	F150 SKS 4X4	A*	5000	15.5	CETC OA		
554PR00A	F150 SKL 4X4	Ą	5250	15.5	F5TF-GA		
554PR00A	F150 SKS 4X4	Α	5000	15.5	alt: F4TF-ABB		
	' 5050 DKL 4V0	Α	5000	15.5	F5TF-HA		
554QR00N	F250 RKL 4X2	Ä	5000		alt: F4TF-BFB		
552QR00A	F250 RKL 4X2	^	5000	10.5			

<sup>\*</sup> DUC Automatic Transmission # With P265 Tires

Engine Family: S5.080J

Date Issued: 3-04-94 Revised: 9-21-94

Manufacturer: FORD MOTOR COMPANY

Eng. Family: <u>SFM5.088G0JA (S5.080J)</u>

Med-Duty Vehicle: M2 (M1/M2/M3/M4/M5) Pass Car:\_\_ (PC) Light-Duty Truck:\_\_\_ (T1/T2) Standards Type: T-0 (Tier 0/1, AB965, TLEV, LEV, ULEV) Vehicle Type: (FFV, HEV(type A/B/C)

Evaporative Family: SFM1045AYM0A Fuel Type: Gasoline

Liter (CID): 5.0L (302) Engine Config: V-8

Drive: FWD\_\_\_ RWD\_X\_ 4WD-FT\_\_\_ 4WD-PT\_X Engine: Front X Mid. Rear\_

Exhaust ECS & Special Features:(incl. CARB, MFI TWC+OC, AIR, HO2S, EGR, 5F) (Use abbreviations per SAE J1930 May91)

•	,	_	====	DDA	Ignition	EGR	Catalyst
Engine Code (Cert Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-Automatic M-Manual	FIM	UPA	(ECM/PCM) Part No.	System Part No.	Part No.
554PR10N 554PR10A	Bronco 4X4 Bronco 4X4	A	525013 525015	,9/13.4# ,3/14.8#	F5TF-GB	F3TE-DA	F4TA-LA
554PR10N 554PR10N 554PR10A 554PR10A	F150 SKL 4X2 F150 SKS 4X2 F150 SKL 4X2 F150 SKS 4X2	A A A	5000 4750 5000 4750	14.0 14.0 15.4 15.4	F5TF-GB		
554PR10N 554PR10N 554PR10A 554PR10A 554PR10N 554PR10N 554PR10A 554PR10A	F150 RKL 4X4 F150 RKS 4X4 F150 RKL 4X4 F150 RKS 4X4 F160 SKL 4X4 F150 SKS 4X4 F150 SKS 4X4	A A A A A A	4750 4750 5000 4750 5250 5000 5250 5000	14.1 14.1 15.5 15.5 14.1 14.1 15.5 15.5	F5TF-GB		
554QR10N 552QR10A	F250 RKL 4X2 F250 RKL 4X2	A A	5000 5000	15.5 1 <del>6</del> .9	F5TF-HA alt: F4TF-BFB		

# With P265 Tires

R/C 5.0-102

Engine Family: S5.080J

Date Issued: 6-09-94 Revised: 9-21-94

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