State of California AIR RESOURCES BOARD

EXECUTIVE ORDER P-10-20 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 1991 model-year Ford Motor Company federally-certified exhaust emission control systems are certified for sale in California as described below for gasoline-powered passenger cars:

Engine Family: MFM5.0V5HBG7 <u>Displacement</u>: 5.0 Liters (302 Cu. Inches) Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Dual Heated Oxygen Sensors
Dual Three-Way Catalysts
Dual Oxidation Catalysts
Sequential Multipoint Electronic Fuel Injection
Secondary Air Injection

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

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)
0.41	3.4	1.0

The following are the certification exhaust emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)
0.26	0.4	0.4

BE IT FURTHÉR 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 "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 Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally-certified 1990 model-year vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles For Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

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 (California Health and Safety Code Section 43205).

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

K. D. Drachand, Chief Mobile Source Division

1

FORD MOTOR Lt-Duty True			Eng.	Family MFM5.0	NUSUBCZ	
Lt-Duty Truc			_	J 	/ Dancy	
	ks M	led-Duty	Vehicle	es Gas <u>_X</u>	_ Diesel	
-8 Liter						
itrol Sys. (Use	SAE Abb	rv.) <u>EGF</u>	DU/42_ R/H02S/A	AIR/TWC/OC /	SMPI	
t <u>X</u> Mid R	lear D	rive: FV	VD RW	VD_X_ 4WD-FT_	4WD-PT_	
Veh. Models (If Coded see Attachmt.)	I	Equiv. Test Weight	DPA		Syst.	Catalyst Part No.
FORD/MERCURY S/W	A-4	4250	12.5 (A/C) 11.4 (NAC)	E7SF-AJB E7SF-AJC (ALT) E8SF-XA (ALT)	E6AE-CA E6AE-DA (ALT) E7AE-AA (ALT) E7AE-BA (ALT)	FOAC-5E212-AA FOAC-5E214-AA
FORD/MERCURY S/W		,		E7SF-ACB E7SF-ACC (ALT) E8SF-ACA (ALT)		
MERCURY S/W				E7SF-ALB E7SF-ALC (ALT) E8SF-YA (ALT)		
	Veh. Models (If Coded see Attachmt.) FORD/MERCURY S/W FORD/MERCURY S/W	Veh. Models (If Coded see A-Auto M-Man.) FORD/MERCURY S/W MERCURY S/W	Veh. Models (If Coded see A-Auto M-Man.) FORD/MERCURY S/W MERCURY S/W Rear_ Drive: Formal Equiv. Test Weight Weight Weight A-4 4250	Veh. Models (If Coded see A-Auto Attachmt.) FORD/MERCURY S/W MERCURY S/W Rear Drive: FWD RW Tquiv. DPA Test Weight A-Auto Weight (A/C) 11.4 (NAC)	Veh. Models Trans. (If Coded see A-Auto Attachmt.) Type: A-Auto M-Man. Equiv. Test Weight M-Man. DPA (ECU/PROM) Part No12A650- FORD/MERCURY S/W A-4 4250 12.5 (A/C) E7SF-AJB E7SF-AJC (ALT) FORD/MERCURY S/W E7SF-ACB E7SF-ACC (ALT) E8SF-ACA (ALT) MERCURY S/W E7SF-ALB E7SF-ALC (ALT) E8SF-ACA (ALT)	(If Coded see A-Auto Attachmt.) Test Weight (ECU/PROM) Part No12A650- Syst. Part No9F483- FORD/MERCURY S/W A-4 4250 12.5 (A/C) (ALT) (ALT) (ALT) (ALT) E6AE-CA E6AE-DA (ALT) FORD/MERCURY S/W E7SF-ACB E7SF-ACC (ALT) (ALT) E7AE-BA (ALT) MERCURY S/W E7SF-ACB E7SF-ACC (ALT) (ALT) E8SF-ACA (ALT) E7SF-ALB E7SF-ALC (ALT) E8SF-YA

ISSUED: 3-12-90

REVISED:

1991 <u>AIR RE</u>	SOURCES BOARD	SUPPLEME	NTAL DAT	A SHEET	E.O.#_ <i>P-</i> 7	10-20	Page 2
	r FORD MOTOR						
	_ Lt-Duty True						_
Eng. Type <u> </u>	<i>J-8</i> Liter	(CID)	5.0 (302			НМ	•
Emission Cor	ntrol Sys. (Use	e SAE Abl	orv.)_ <u>EG</u>	DUAL R/H02S/1	PUAL DUAL AIR/TWC/OC /S	MPI	
Engine: From	nt_X_ Mid	Rear[Orive: F	JD RV	√D <u>X</u> 4WD-FT_	4WD-PT_	····
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No.
822DROOA	MARK VII	A-4	4000	10.1	E7SF-YD	E6AE-CA E6AE-DA (ALT) E7AE-A- (ALT) E7AE-BA (ALT)	FOLC-5F250-A FOLC-5F250-B (ALT)
822LROOA	MARK VII			8.2	E7SF-XD E9SF-SA (ALT)		

ISSUED: 3-12-90

REVISED:

1991 <u>AIR RI</u>	ESOURCES BOARD S	SUPPLEMEN	TAL DATA	SHEET	E.O.#_ <i>P.</i> -/	0-20 I	Page 3
Manufacture	er FORD MOTOR	COMPANY		Eng.	Family MFM5.	OV5HBG7	
	<u>X</u> Lt-Duty Truc V-8 Liter		_		'wan Family	шм	
Emission Co	ontrol Sys. (Use	saE Abt	orv.) <u>EG</u>	DUAZ R/HO2S/A	DUAL DUAL IR/TWC/OC /	SMPI	
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA*	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No.
922AR00A	MUST 2DR	A-4	3500 <u>02</u> /	8.8 <u>H</u> / 7.8 A /	E9ZF-CA	E7AE-AA	F0ZC-5F250-BA F0ZC-5F250-CA (ALT)
	MUST CONV		3750	8.9 <u>H</u> / 7.8 <u>A</u> /	. *		(ADI)
	MUST 3DR NON-GT		3625	8.5 <u>H</u> / 7.4 <u>A</u> /		,	
	GT		1	7.7 <u>H</u> / 6.6 <u>A</u> /			
922AR00N	MUST 2DR		3500	8.0 <u>H</u> / 7.1 <u>A</u> /			
	MUST CONV		3750	8.1 <u>H</u> / 7.1 <u>A</u> /			
	MUST 3DR NON-GT		3625	7.7 <u>H</u> / 6.7 <u>H</u> /			
	GT			7.0 <u>H</u> / 6.0 <u>A</u> /			
	1	1	ł		1	1	I

1SSUED: 3-12-90

REVISED:

 $[\]underline{02}/$ actual equivalent test weight (etw) per 86.129.80 as shown. However, ford ELECTS TO CONDUCT TESTS IN THE NEXT HIGHER ETW.

PROJECTED VALUES FOR P225/55ZR16 TIRES. H/ HANDLING TIRES; A/ ALL SEASON TIRES

1991 <u>AIR RE</u>	SOURCES BOARD	SUPPLEME	TAL DATA	A SHEET	E.O.#	0-20	Page 4
Manufacture	r FORD MOTOR	COMPANY		Eng.	Family MFM5.0	OV5HBG7	
Pass Cars X	Lt-Duty True	cks l	led-Duty	Vehicle	s Gas_X	_ Diesel_	
	V-8 Liter						
Emission Co	entrol Sys. (Use	e SAE Abl	orv.) <u>EG</u>	R/HO2S/A	IR/TWC/OC /	SMPI	
Engine: Fro	ont X Mid l	Rear 1	Orive: F	WD RW	D <u>X</u> 4WD-FT_	4WD-PT	
Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	DPA*	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No.
921AROOA	MUST 2DR	M5	350002/	8.8 <u>H</u> / 7.8 <u>A</u> /	E9ZF-AA	E7AE-AA	FOZC - 5F250 - BA
	MUST CONV		3625	8.9 <u>H</u> / 7.8 <u>A</u> /	,		(ALT)
	MUST 3DR NON-GT		350002/	8.5 <u>H</u> / 7.4 <u>A</u> /			
	GT		,	7.7 <u>H</u> / 6.6 <u>A</u> /			
921AR00N	MUST 2DR		3500	8.0 <u>H</u> / 7.1 <u>A</u> /			
MUST CONV	MUST CONV		3625	8.1 <u>H</u> / 7.1 <u>A</u> /			
	MUST 3DR NON-GT		3500	7.7 <u>H</u> / 6.7 <u>H</u> /			
	GT			7.0 <u>H</u> / 6.0 <u>A</u> /			
921CR00A	MUST CONV		3625	8.9 <u>H</u> / 7.8 <u>A</u> /	E9ZB-BA		
921CR00N	MUST CONV			8.1 <u>H</u> /			

20.09.17.02 - 4

ISSUED: 3-12-90

 $[\]underline{02}/$ ACTUAL EQUIVALENT TEST WEIGHT (ETW) PER 86.129.80 AS SHOWN. HOWEVER, FORD ELECTS TO CONDUCT TESTS IN THE NEXT HIGHER ETW.

^{*} PROJECTED VALUES FOR P225/55ZR16 TIRES. $\underline{H}/$ HANDLING TIRES; $\underline{A}/$ ALL SEASON TIRES