

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 Displacement: 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:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.41	3.4	1.0

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.26	0.4	0.4

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 "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.

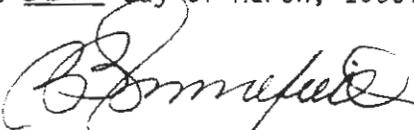
BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally-certified 1990 model-year vehicles using the "Guidelines for Certification of 1983 and 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 22<sup>nd</sup> day of March, 1990.

  
for K. D. Drachand, Chief  
Mobile Source Division

Manufacturer FORD MOTOR COMPANY Eng. Family MF5.OV5HBG7

Pass Cars X Lt-Duty Trucks      Med-Duty Vehicles      Gas X Diesel     

Eng. Type V-8 Liter (CID) 5.0 (302) Evap. Family HM

Emission Control Sys. (Use SAE Abbrv.) <sup>DUAL</sup>EGR/<sup>DUAL DUAL</sup>HO2S/AIR/<sup>DUAL</sup>TWC/OC /<sup>DUAL</sup>SMPI

Engine: Front X Mid.      Rear      Drive: FWD      RWD X 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.
822JR00A/N	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
822CR00A/N	FORD/MERCURY S/W				E7SF-ACB E7SF-ACC (ALT) E8SF-ACA (ALT)		
822IR00A/N	MERCURY S/W				E7SF-ALB E7SF-ALC (ALT) E8SF-YA (ALT)		

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Emission Control Sys. (Use SAE Abbrv.) EGR/HO2S/AIR/TWC/OC <sup>DUAL</sup> <sup>DUAL</sup> <sup>DUAL</sup> /SMPI

Engine: Front X Mid.      Rear      Drive: FWD      RWD X 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-Ar. (ALT) E7AE-BA (ALT)	FOLC-5F250-AA FOLC-5F250-BA (ALT)
822LR00A	MARK VII			8.2	E7SF-XD E9SF-SA (ALT)		

Manufacturer FORD MOTOR COMPANY Eng. Family MFM5.0V5HBG7

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Eng. Type V-8 Liter (CID) 5.0 (302) Evap. Family HM

Emission Control Sys. (Use SAE Abbrv.) EGR/HO2S/AIR/TWC/OC <sup>DUAL</sup> <sup>DUAL DUAL</sup> / SMPI

Engine: Front X Mid.      Rear      Drive: FWD      RWD X 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.
922AR00A	MUST 2DR	A-4	3500 <sup>02/</sup>	8.8 <sup>H/</sup> 7.8 <sup>A/</sup>	E9ZF-CA	E7AE-AA	FOZC-5F250-BA FOZC-5F250-CA (ALT)
	MUST CONV		3750	8.9 <sup>H/</sup> 7.8 <sup>A/</sup>			
	MUST 3DR NON-GT		3625	8.5 <sup>H/</sup> 7.4 <sup>A/</sup>			
	GT			7.7 <sup>H/</sup> 6.6 <sup>A/</sup>			
922AR00N	MUST 2DR		3500	8.0 <sup>H/</sup> 7.1 <sup>A/</sup>			
	MUST CONV		3750	8.1 <sup>H/</sup> 7.1 <sup>A/</sup>			
	MUST 3DR NON-GT		3625	7.7 <sup>H/</sup> 6.7 <sup>H/</sup>			
	GT			7.0 <sup>H/</sup> 6.0 <sup>A/</sup>			

<sup>02/</sup> 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

Manufacturer FORD MOTOR COMPANY Eng. Family MFMS.OV5H8G7

Pass Cars X Lt-Duty Trucks      Med-Duty Vehicles      Gas X Diesel     

Eng. Type V-8 Liter (CID) 5.0 (302) Evap. Family HM

Emission Control Sys. (Use SAE Abbrv.) DUAL EGR/HO2S/AIR/TWC/OC / DUAL DUAL SMPI

Engine: Front X Mid.      Rear      Drive: FWD      RWD X 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.
921AR00A	MUST 2DR	M5	3500 <sup>02/</sup>	8.8 <sup>H/</sup> 7.8 <sup>A/</sup>	E9ZF-AA	E7AE-AA	FOZC-5F250-BA FOZC-5F250-CA (ALT)
	MUST CONV		3625	8.9 <sup>H/</sup> 7.8 <sup>A/</sup>			
	MUST 3DR NON-GT		3500 <sup>02/</sup>	8.5 <sup>H/</sup> 7.4 <sup>A/</sup>			
	GT			7.7 <sup>H/</sup> 6.6 <sup>A/</sup>			
921AR00N	MUST 2DR		3500	8.0 <sup>H/</sup> 7.1 <sup>A/</sup>			
	MUST CONV		3625	8.1 <sup>H/</sup> 7.1 <sup>A/</sup>			
	MUST 3DR NON-GT		3500	7.7 <sup>H/</sup> 6.7 <sup>H/</sup>			
	GT			7.0 <sup>H/</sup> 6.0 <sup>A/</sup>			
921CR00A	MUST CONV		3625	8.9 <sup>H/</sup> 7.8 <sup>A/</sup>	E9ZB-BA		
921CR00N	MUST CONV			8.1 <sup>H/</sup> 7.1 <sup>A/</sup>			

<sup>02/</sup> ACTUAL EQUIVALENT TEST WEIGHT (ETW) PER 86.129.80 AS SHOWN. HOWEVER, FORD ELECTS TO CONDUCT TESTS IN THE NEXT HIGHER ETW.

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