State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-390 Relating to Certification of New Motor Vehicles

FORD MOTOR CORPORATION

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 1989 model-year Ford Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	•	lacement Cubic inches)	Exhaust Emission Control System (Special Features)			
KFM1.3V5FXC2	1.3	(80.8)	Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) On-Board Diagnostics (Exempted)			

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)
0.39	7.0	0.7

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)
0.17	1.9	0.3

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission

standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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 Administrative Code, Section 2290) 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 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compilance with the requirements of the "Maifunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with the 2 year/24,000 mile warranty provisions of Health and Safety Code Section 43204.

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 4 day of August, 1988.

K. D. Drachand, Chief Mobile Source Division

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

CA-Centrifugal Advance AIP-Air Injection Pump ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard CS-Oxidation Catalyst OS-Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-way Catalyst WUOC-Warm-up Oxidation Catalyst WUTWC-Warm-up Three-way Catalyst Fuel Injection Fuel Injection DIP-Diesel Injection Prechamber EFI-Electronic Fuel Injection ORD-On-Board ORD-On-Board Diagnostics TC-Turbocharger	Manufacturer Ford Motor Compa	Engine Family <u>KFM1.3V5FXC2</u>						
ABBREVIATIONS Ignition System	Evaporative Family 9HAB	Engine Type 1-4	Engine Type 1-4					
CA-Centrifugal Advance		Liters (CID)1.3 (80	.8)					
CA-Centrifugal Advance								
CA-Centrifugal Advance AIP-Air Injection Pump ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard CS-Oxidation Catalyst OS-Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-way Catalyst WUOC-Warm-up Oxidation Catalyst WUTWC-Warm-up Three-way Catalyst Fuel Injection Fuel Injection DIP-Diesel Injection Prechamber EFI-Electronic Fuel Injection ORD-On-Board ORD-On-Board Diagnostics TC-Turbocharger	ABBREVIATIONS							
ECG-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard CS-Control VR-Vacuum Retard CS-Control	Ignition System	Exhaust Emissions Control System	Special Features					
Fuel System OBD-On-Board CFI, CL, DID, DIP, EFI, MFI Diagnostics nV-nVenturi Carburetor VEHICLE MODELS:	ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance	AIV-Air Injection Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-way Catalyst WUOC-Warm-up Oxidation Catalyst	Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel Injection IC-Intercooler or Aftercooler					
CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor VEHICLE MODELS: Diagnostics TC-Turbocharger	Fuel System		Injection					
	, , , , , , ,		Diagnostics					
PODD PROMITIA	VEHICLE MODELS:		•					
FURD FESTIVA	FORD FESTIVA							

FCSDP0	Engine	Famil	y Kl	. 3VXC							
	Issue	Date	7/:	11/88	I		17.00.	00.00	-2		
	Revise	d									

FWD X RWD 4WD Full Time 4WD Part Time

1989 A	ſR	RESOURCES	BOARD	SUPPLEMENTAL	DATA	SHEET
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C	80.8					XC2	
Emission C	ontrol Sys. (Speci	al Featur	es) <u>OS.T</u>	JC (EPFI. OBD)			
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System	EGR Valve	Catalyst
	(Dyno Hp)			Part No.	Part No.	Part No.	Part No.
B3EAOON	FESTIVA (7.2)	A-3	2125	B359	BJ01 13 210A	N/A	в359
CB3EA00N	 FESTIVA (7.6) 	A-3	2125	В359	BJ01 13 210A	N/A	в359
B3EA00A	FESTIVA (7.9)	A-3	2125	В359	BJ01 13 210A	N/A	в359
CB3EA00A	FESTIVA (8.4)	A-3	2125	B359	BJ01 13 210A	N/A	B359
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	See page one for a er to manufacturere If two test weigh	es HP lis	t for cor	cect dyno test	HP settings ba	ased on mode	l and
ate of Is:	sue		Revision	ons:			