State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-376 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 1989 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	•	lacement Cubic inches)	Exhaust Emission Control Systems (Special Features)		
KFM3.OT5FED9	3.0	(181)	Heated Oxygen Sensor Three-Way Catalysts (Electronic Port Fuel Injection)		

The following are the surfeston's randards for this engine call it.

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.50	9.0	1.0		

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	2.8	0.2		

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

an exemption from compliance 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

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 certifled 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 grad day of June, 1988.

K. D. Drachand, Chief Mobile Source Division

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1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Compa	Engine Family K3.0TED	Engine Family <u>K3.0TED (KFM3.0T5FED9)</u>				
Evaporative Family 9HM	Engine Type V6					
	Liters (CID) _ 3.0 (181)				
ABBREVIATIONS						
Ignition System	Exhaust Emissions Control System	Special Features				
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard	AIP-Air Injection Pump AIV-Air Injection Valve EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control	CFI-Central Fuel Injection or Throttle Body Injection EPFI-Electronic Port Fuel Injection MPFI-Mechanical Port Fuel Injection SFI-Sequential Fuel Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber TC-Turbocharger SC-Supercharger IC-Intercooler or Aftercooler				
Fuel System		CCV-Combustion Chamber Valve OBD-On-Board				
CFI, EPFI, MPFI, SFI, DID, DIP, nV-nVenturi Carburetor	HOS, OS	Diagnostics				

Engine: Front X Mid Rear Drive: FWD RWD X 4WD Full Time 4WD Part Time

VEHICLE MODELS:

Aerostar 4x2

Bus

VV-Variable Venturi Carburetor

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1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars light-Duty Trucks <u>X</u> Medium-Duty Vehicles <u>Gas X</u> Diesel								
r <u>Ford Motor Co</u>	Ipany		Engine Fam:	11y <u>K3.0TED</u>	(KFM3.OT5FED	9)		
Liter (CID) 3.0 (181)				Eng. Type <u>V6</u>				
ntrol Sys. (Specia	al Featur	es) <u>TWC</u>	HOS (EPFI. O	BD)				
Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (EEC IV) Part No12A650-	Fuel System (EPFI) Part No9F593-	EGR Valve None Part No. None	Catalyst (TWC) Part No. -5F250-		
Aerostar 4x2 Bus (10.6) (11.7*)	М5	3875	ESTF-BHB	E67E-BB/ E59E-AB		E89A-DA/ E99A-VA		
1	Vehicle Models (If Coded see attachment) (Dyno Hp) Aerostar 4x2 Bus (10.6)	Vehicle Models (If Coded see attachment) (Dyno Hp) Aerostar 4x2 Bus (10.6)	Vehicle Models (If Coded see attachment) (Dyno Hp) Aerostar 4x2 Bus (10.6) Features) Trans. Equiv. Test Weight	Vehicle Models (If Coded see attachment) (Dyno Hp) Engine Fam: Eng. Tylontrol Sys. (Special Features)TWC. HOS (EPFI. O) Trans. Equiv. Ign. System (EEC IV) Part No12A650- Eng. Tylontrol Sys. (Special Features)TWC. HOS (EPFI. O) Eng. Tylontrol Sys. (EPFI. O) Eng. Tylontrol Sys. (EPFI. O) Teng. Tylontrol Sys. (EPFI. O) Eng. Tylontrol Sys. (EPFI. O)	Tend Motor Company Engine Family K3.0TED 3.0 (181) Eng. Type V6 Atrol Sys. (Special Features) TWC. HOS (EPFI. OBD) Vehicle Models (If Coded see attachment) (If Coded see attachment) (Dyno Hp) Aerostar 4x2 Bus (10.6) Engine Family K3.0TED K3.0TED Eng. Type V6 Ign. System Fuel System (EEC IV) Part No. -12A6509F593- E8TF-BHB E67E-BB/ E59E-AB	Trans. Equiv. Ign. System Fuel System EGR Valve (If Coded see attachment) Weight (EEC IV) (EPFI) None Part No. (Dyno Hp) Part No12A6509F593- None Engine Family K3.0TED (KFM3.0T5FED) Eng. Type V6 Eng. Type V6 Ign. System Fuel System EGR Valve (EEC IV) (EPFI) None Part No. Part No12A6509F593- None		

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue: 5-6-88

Revisions: 12-15-88 (Revised DPA)

^{*} with air conditioning

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	1989	AIR RESO	URCES BOAI	RD SUPPLEMENTA	L DATA SHEET	2	
Passenger	Cars light-De	uty Truck	s <u>X</u> Mo	edium-Duty Veh	icles Gas		age3
Lactur	er <u>Ford Motor Co</u>	mpany		Engine Fam	ily <u>K3.0TED</u>	(KFM3.OT5FED	9)
iter (CID	3.0 (181)			Eng. Ty	pe <u>V6</u>		
Emission C	ontrol Sys. (Specia	al Featur	es) <u>TWC</u>	. HOS (EPFI. O	BD)		<u></u>
					<u> </u>	-	
Engine Code	Vehicle Models (If Coded see	Trans. Type	Equiv. Test	Ign. System	Fuel System	EGR Valve	Catalyst
	attachment)		Waight	(FEC TV)	/ FPFT \	None	(TUC)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (EEC IV) Part No. -12A650-	Fuel System (EPFI) Part No. -9F593-	EGR Valve None Part No. None	Catalyst (TWC) Part No. -5F250-
856JR10A/N	Aerostar 4x2 Bus (10.6) (11.7*)	A4LD	3875	E8TF-BJB	E67E-BB/ E59E-AB		E89A-DA/ E99A-VA
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Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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