## State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-10-309 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 1986 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles:

Engine Family	Displacem Cubic Inches		Exhaust Emission Control Systems (Special Features)
GFM3.0T5FEC2	181	(3.0)	Three-Way Catalyst with Closed Loop (Electronic Fuel 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:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0-3999	0.39	9.0	1.0
4000-5999	0.50	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.14	2.9	0.2
4000-5999	0.14	2.7	0.2

BE IT FURTHER RESOLVED: That the listed models in the 0-3999 equivalent inertia weight class were 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 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 1981 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 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 Health and Safety Code Section 43204, provided, however, that for the listed vehicles in the 0-3999 equivalent inertia weight class, jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 January, 1986.

K. D. Drachand, Chief Mobile Source Division

Manufacturer _	Ford Motor Company	_ Executive Order No.	A-10-309
Engine Family	GFM3.0T5FEC2 (G3.0TEC)	_ Evaporative Family _	6нмQ
		Engine CID (Liters)	181 (3.0)

#### **ABBREVIATIONS**

### Ignition System .

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance
Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CF1, CL, DID, DIP, EFI, MFI

nV-nVenturi Carburetor

"Y-Variable Venturi

### Exhaust Emissions Control System

AIP-Air Injection-Pump AIV-Air Injection-Valve CL-Closed Loop EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst System TOC-Trap Oxidizer Continual TOP-Trap Oxidizer Periodical TR-Thermal Reactor TWC-Three-Way Catalyst System

#### Special Features

CCY-Combustion Chamber Valve CFI-Central Fuel Injection DID-Diesel Injection-Direct DIP-Diesel Injection-Prechamber EFI-Electronic Fue1 Injection IC - Intercooler MFI-Mechanical Fue! Injection TC-Turbocharged

## VEHICLE MODELS:

Aerostar 4x2 Van (SWB) Bus (SWB)

DRIVE SYSTEM: Front Engine/Rear-Wheel Drive

Engine Family G3.0TEC

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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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	Manufacturer Ford Motor Company  Engine Family GFM3.0T5FEC2 (G3.0TEC)					Engine Code 6-55J R02A/N		
	(Special Features)		•		CID (Liter)- Type _	181 (3.0L) V6		
Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System  EEC IV  Part No.	Fuel System  EFI  Part No.	None Part No.	label Ident. Part No.	
55JR02A/N #R03A/N	Aerostar 4x2 Van	Y5X396 (M5)	3375/ 3500*	E69F-AB -AC#	E59E-AB/ E67E-BB		АМН	
	4x2 Bus		3750/ 3875*					
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Corments: 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.

\*with Air Conditioning # R/C 3.0-504

Engine Family G3.0TEC	
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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

( Passi	enger Cars <u>X</u> Li	ght-Duty	Trucks	Medium-D	uty Vehicles	X Gas _	Diese
Manut	facturer Ford Mo	otor Cor	mpany		Page		<del></del>
Engir	e Family GFM3.	T5FEC2	∫ <del>G3.0T</del> 1		Engine Code CID (Liter)-	6-56J R02	
· ECS (	(Special Features)	TWC,	CL (EF	I)	Туре _		<del></del>
Engine Code	Vehicle Models (If Coded see	Trans.	Equiv. Test	Ign. System EEC IV	Fuel System EFI	EGR Valve None	label Ident.
	attachment)		Weight	Part No.	Part No.	Part No.	Part No.
56JR02A/N #R03A/N ##R04A/N	Aerostar 4x2 Van	A4X014 (L4)	3500	E69F-CB -CC# -CD##	E59E-AB/ E67E-BB		АМН
	4x2 Bus		3875	•			
-	•						
					,		•
				,			
					e emission fam	ilv identific	ation.

Corments: 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.

# R/C 3.0-502 ## R/C 3.0-504

Engine Femily	-G3.OTEC

lesue Date: | DEC 1 3 1985

Engine Family \_

-17-4BQ

<sup>\*</sup> with air conditioning