

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-301  
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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GFM5.0T5HAG9	302 (5.0)	Air Injection - Pump Exhaust Gas Recirculation 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:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
4000-5999	0.50	9.0	1.0

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

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
4000-5999	0.31	3.2	0.6

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".

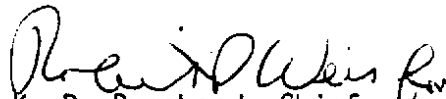
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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.).

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 29<sup>th</sup> day of July, 1985.

  
K. D. Drachand, Chief  
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-301  
 Engine Family GFM5.0T5HAG9 Evaporative Family 6HM  
 Engine CID (Liters) 302 (5.0L)

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

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 V-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

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

VEHICLE MODELS:

F-150 4x2		F-250 4x4
Regular Cab (SWB/LWB)		Regular Cab (LWB)
Super cab (SWB/LWB)		
F-250 4x2		Bronco 4x4 (STD)
Regular Cab (LWB)		
F-150 4x4		
Regular Cab (SWB/LWB)		
Super Cab (LWB)		

DRIVE SYSTEM: FRONT Engine/ REAR -/heel Drive  
 Engine Family G5.0TAG

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-301

Passenger Cars  Light-Duty Trucks  Medium-Duty Vehicles  Gas  Diesel

Manufacturer Ford Motor Company Page 2

Engine Family GFM5.0T5HAG9 Engine Code 6-54S-ROOA/N

ECS (Special Features) AIP/EGR/TWC/OC/CL/EFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Hp)	Trans. A/T	Equiv. Test Weight	Ign. System -12A650-EEC-IV Part No.	Fuel System -9C968-EFI Part No.	EGR Valve -9F483- Part No.	Label Ident. Part No.
6-54S-ROOA/N	F-150 4x4			E6TF-YA	E5AE-AA	E6TE-BA	AEC
	RCS	AOX-064	4250 4500				
		AOX-067	4250 4500				
	RCL	AOX-064	4500				
		AOX-067	4500				
	SCL	AOX-064	4750 5000				
		AOX-067	4750 5000				
	F-250 4x4						
	RCL	AOX-067	4750				
	Bronco 4x4	AOX-064	4750 5000				
	AOX-067	4750 5000					

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.

Add 10% to dyno test HP for air conditioning usage.

Engine Family G5.0TAG

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-301

Passenger Cars  Light-Duty Trucks  Medium-Duty Vehicles  Gas  Diesel

Manufacturer Ford Motor Company Page 3

Engine Family GFM5.0T5HAG9 Engine Code 6-54Q-ROOA/N

ECS (Special Features) AIP/EGR/TWC/OC/CL/EFI CID (Liter)-Type 302 (5.0L)

Engine Code	Vehicle Models (If Coded see attachment) (Hp)	Trans. A/T	Equiv. Test Weight	Ign. System -12A650-EEC-IV Part No.	Fuel System -9C968-EFI Part No.	EGR Valve -9F483- Part No.	Label Ident. Part No.
6-54Q-R00A/N	F-150 4x2			E6TF-TA	E5AE-AA	E6TE-BA	AEC
	RCS	AOX-064	4000				
	RCL		4000				
	SCS		4500				
	SCL		4500				
	SCL		4750				
	F-250 4x2						
	RCL	AOX-064	4500				
RCL	AOX-067	4500					

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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

Engine Family G5.0TAG

Issue Date:	<u>JUL 9 1985</u>	<u>17.00.00-4</u>							
Revised:									