State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-327
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 1987 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	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
HFM4.9T5HGG2	300	(4.9)	Air Injection Pump Exhaust Gas Recirculation Three-Way Catalyst Oxidation Catalyst Oxygen Sensor (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
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
4000-5999	0.28	2.9	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 18th day of September, 1986.

K. D. Drachand, Chief
Mobile Source Division

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Manufacturer: Ford Motor Company

Engine Family: HFM4.9T5HGG2

Evaporative Family: 7HM

Engine Type: I-6

Liters (CID): 4.9L (300)

ABBREVIATIONS

Ignition System

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

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
SPL-Smoke Puff Limiter or Throttle Delay
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 or aftercooler
MFI-Mechanical Fuel Injection
TC-Turbocharger

Fuel System

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

VEHICLE MODELS:

F-150 4x2 SWB LWB

F-150 4x4 SWB LWB

Bronco 4x4

F-250 4x2 LWB

F-250 4x4 LWB

E-150 Van SWB LWB

E-150 Bus LWB

E-250 Van LWB

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

Manufacturer Ford Motor Company Engine Family HFM4.9T5HGG2

Liter (CID) 4.9L (300) Eng. Type I-6

Emission Control Sys. (Special Features) AIP/CL/EGR/TWC (EFI)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No. 12A650	Fuel System Part No. 9F593	EGR Valve Part No. 9F483	Catalyst Part No. 9F250
751RR00B	F-150 4x2	M4		E7TF-RB	E67E-BB	E7TE-CA	E7TA-AA
	RC SWB	M4X325E	3875/4000				
	LWB		4000/4250				
	SC SWB		4500				
	LWB		4500/4750				
	F-150 4x4						
	RC SWB		4250/4500				
	LWB		4500				
	Bronco 4x4		4750/5000				
	F-150 4x2	C4					E7TA-BA
	RC SWB	M4-632	4000/4250				E7TA-BA
	LWB	M4-668	4000/4250				
	F-250 4x2						
	RC LWB		4250/4500				
	F-150 4x4						
	RC LWB		4500/4750				
	SC LWB		5000				
	RC SWB		4500/4750				
	F-250 4x4						
	RC LWB		4750/5000				
	Bronco 4x4		5000				E7TA-BA

ments: See page one for abbreviations and evaporative emission family identification. ase 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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Passenger Cars ____ Light-Duty Trucks x Medium-Duty Vehicles x Gas x Diesel ____

Manufacturer Ford Motor Company Engine Family HFM4.9T5HGG2

Liter (CID) 4.9L (300) Eng. Type I-6

Emission Control Sys. (Special Features) AIP/CL/EGR/TWC (EFI)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No. 12A650	Fuel System Part No. 9F593	EGR Valve Part No. 9F483	Catalyst Part No. 9F250
752RR00B	F-150 4x2	A3		E7TF-AEA	E67E-BB	E7TE-CA	E7TA-AA
	RC SWB	C6-029	4000				
	LWB	C6-027	4000/4250				
	SC SWB		4500				
	LWB		4750				
	F-250 4x2						
	RC LWB		4250/4500				
752QR00B	E-150						
	RV SWB		4250	E7TF-ADC	E67E-BB	E7TE-CA	E7VA-CB
	LWB		4500				
	SV LWB		4750				
	CW LWB		5000				
	E-250						
	RV LWB		5000				
	SV LWB		5250				

See page one for abbreviations and evaporative emission family identification.

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

Manufacturer Ford Motor Company Engine Family HFM4.9T5HGG2

Liter (CID) 4.9L (300) Eng. Type I-6

Emission Control Sys. (Special Features) AIP/CL/EGR/TWC (EFI)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type A3	Equiv. Test Weight	Ign. System (ECU) EEC IV Part No. -12A650-	Fuel System Part No. -9F593-	EGR Valve Part No. -9F483-	Catalyst Part No. -9F250-
752RR10B	F150 4x2	C6027		E7TF-AEB	E67E-BB	E7TE-CA	E7TA-AA
	RC SWB	C6029	4000				
	RC LWB		4250				
	F150 4x2	C6027					
	SC SWB		4750				
	SC LWB		4750				
	F250 4x2	C6027	4500				
	RC LWB						

Comments: See page one for abbreviations and evaporative emission family identification. [illegible] HP list for correct dyno test HP settings based on model and

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

Manufacturer _____ Engine Family _____

Liter (CID) _____ Eng. Type _____

Emission Control Sys. (Special Features) _____

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type A3	Equiv. Test Weight	Ign. System (ECU) 12650 Part No.	Fuel System -9F593- Part No.	EGR Valve -9F483- Part No.	Catalyst -9F250- Part No.
7-52R-R11B	F-150 4x2 RC SWB	C6029 C6027	4000	E7TF-CBA	E67E-BB	E7TE-CA	E7TA-AA

Comments: See page one for abbreviations and evaporative emission family identification.

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HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Engine Family HFM07.5AGE2

Liters (CID) 6.1L(370) 7.0L(429) Eng. Type V-8

Emission Control Sys. and (Special Features) EGR/AIR

Engine Model (Engine Code)	Maximum Rated HP at RPM	Rated Torque at RPM	Ignition System (ECU) Mfr. Ford -12127- Part Number	Fuel System 4V Mfr. Holley -9510- Part Number	EGR Valve Mfr. 9D475 Part Number	Catalyst Mfr. None Part Number
6.1L (5-83H-R10) (7-83H-R10)	171 @ 3600 162 @ 3400	277 @ 2800	E5HE-AA	E5HE-XA	D8DE-BA	--
7.0L (5-87H-R10) (7-87H-R10)	188 @ 3200 200 @ 3600 192 @ 3400	326 @ 2600	D9TE-AVA	E5HE-XA	D8DE-BA	--

Date of Issue Revisions: