State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-434
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 1990 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: LFM2.3T5FMC6 Displacement: 2.3 Liters (140 Inches^3)
Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation (Manual Transmission Only)
Heated Oxygen Sensor
Three-way Catalyst
Multipoint Electronic 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:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.39	9.0	0.4

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

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.16	4.6	0.2

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 Code of Regulations, 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 Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, 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 provisions of California Health and Safety Code Section 43205.

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 27th day of July, 1989.

K. D. Drachand, Chief
Mobile Source Division

E.O.#A-10-434

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Engine Family LFM2.3T5FMC6 (L2.3TMC)

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

Engine Type I4 Liter (CID) 2.3 (140) Evaporative Family 9HM-07

Emission Control System (Use SAE Abbrv.) EGR, TWC, HOS, EPFI, VBD

Engine: Front X Mid ___ Rear ___ Drive: FWD ___ RWD X 4WD-FT ___ 4WD-PT X

Engine Code 0-3750# LVW	Vehicle Models (Dyno Hp)	Trans. Type A-Auto M-Manual	Equiv. Test Weight	Ign. System (ECU/PROM) Part No. -12A650-	EGR Valve Part No. -9F483-	Catalyst Part No. -5E212-
049SR00A/N	Ranger 4x4 RCS (12.1) RCL (12.1) Ranger 4x2$ RCS (11.0) RCS (11.0) RCL (11.0) SCS (11.3)	M5	 3500 3500# 3125* 3250 3250 3500	F07F-AB/ F07F-AC	E97E-AA	E87A-EA

* Ranger S package
$ Added per R/C 2.3-101 (8-14-89)
# Revised per R/C 2.3-111 (1-8-90)

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050SR00A/N	Ranger 4x2 RCS (11.0) RCL (11.0)	A4	3250 3375#	F07F-BB/ F07F-BC	None	E87A-EA

Revised per R/Cs 2.3-111, 2.3-113, 2.3-115 (1-8-90)

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049TR10A/N	Ranger 4x4	M5		F07F-ADA	E97E-AA	E87A-EA
	RCS (12.1)		3500			
	RCL (12.1)		3500#			
	Ranger 4x2					
	RCS (11.0)		3125*			
	RCS (11.0)		3250			
	RCL (11.0)					
	SCS (11.3)		3500			

* Ranger S package
\# Revised per R/C 2.3-114 (1-8-90)

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050TR10A/N	Ranger 4x2 RCS (11.0) RCL (11.0)	A4	3250 3375#	F07F-AEA	None	E87A-EA

Revised per R/C 2.3-114, 2.3-115 (1-8-90)