State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-453
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 1991 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: MFM2.3T5FML7 Displacement: 2.3 Liters (140 Cu. Inches)
Equipped with the following exhaust emission control systems:

Heated Oxygen Sensor
Three-Way Catalyst
Multipoint Electronic Fuel Injection
Exhaust Gas Recirculation

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	0.19	4.1	0.3

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 also comply with 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 21st day of May, 1990.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Engine Family MFM2.3T5FML7 (2.3TML)

Passenger Cars ___ Light-Duty Trucks X Medium-Duty Vehicles ___ Fuel Type Gas

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

Emission Control System & Special Features EGR, TWC, HOS, EPFI
(Use abbreviations per SAE J1930, June 88)

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

Engine Code 0-3750# LVW	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type A-Auto M-Manual	Loaded Vehicle Weight	RLHP	Ign. System (PCME/PROM) Part No. -12A650-	EGR System Part No. -9F483-	Catalyst Part No. -5E212-
049TR10N	Ranger 4x2	M5			F07F-ADA	E97E-AA	F17A-HA
	RCS (11.0)		3176*	14.3			
	RCS (11.0)		3240#				
	RCL (11.0)		3277#				
	SCS (11.3)		3515#	15.2			
	Ranger 4x4						
	RCS (12.1)		3515#	17.2			
	RCL (12.1)		3537#				
049TR10A	Ranger 4x2						
	RCS (12.2)		3296#	15.0			
	RCL (12.4)		3333#	15.9			
	SCS (12.4)		3571#				
	Ranger 4x4						
	RCS (12.1)		3515#	17.2			
	RCL (12.1)		3537#				

* Ranger S package
\# Revised per R/C 2.3-102 (11-2-90)

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