

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-316
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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HFM2.9T5FRC2	179 (2.9)	Exhaust Gas Recirculation Three-Way Catalysts (Two) Heated 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:

<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>
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:

<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>
0-3999	0.16	2.7	0.4
4000-5999	0.25	4.0	0.5

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, for the listed vehicles in the 0-3999 equivalent inertia weight class, with Health and Safety Code Section 43204.

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 28th day of July, 1986.



K. D. Drachand, Chief
Mobile Source Division

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-10-316

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

Manufacturer Ford Motor Company Engine Family HFM2.9T5FRC2 (H2.9TRC)

Liter (CID) 2.9 (179) Eng. Type V6

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type M5	Equiv. Test Weight	Ign. System (ECU)	Fuel System	EGR Valve	Catalyst
				EEC IV Part No.	EFI Part No.	PFE Part No.	TWC Part No.
765SR00A/N -R05A/N#	Ranger 4x2 SCS RCS, RCL	Y5X396	3375 3000/ 3125*	E7TF-BFA	E7DE-BB/ E67E-BB	E6AE-BA	E67A-EC E77A-PAE
765TR00A/N -R05A/N#	Bronco II 4x2		3375/ 3500*	E7TF-BJA			
	Ranger 4x4 SCS	Y5X396/ K5X397	3625/ 3750*				
	RCS		3250				
	RCL		3250/ 3375*				
	Bronco II 4x4		3625				

* with Air Conditioning

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.

‡Added per R/C 2.9-102 @Added per R/C 2.9-104
Engine Family H2.9TRC

Issue Date	JUL 17 1986	17-4A							
Revised	AUG 13 APR 21								

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Page 2B

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

Manufacturer Ford Motor Company Engine Family HFM2.9T5FRC2 (H2.9TRC)

Liter (CID) 2.9 (179) Eng. Type V6

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type L4	Equiv. Test Weight	Ign. System (ECU) EEC IV Part No.	Fuel System EFI Part No.	EGR Valve PFE Part No.	Catalyst TWC Part No.
766SR00A/N -R05A/N# -R10A/N\$	Ranger 4x2 SCS	A4X019	3375/ 3500*	E7TF-FA	E7DE-BB/ E67E-BB	E6AE-BA	E67A-EC E77A-PA@
	RCS, RCL		3125				
	Bronco II 4x2		3500/ 3625*				
	Ranger 4x4 SCS		3750				
	RCS		3250/ 3375*				
RCL	3375						
	Bronco II 4x4		3625/ 3750*				

* with Air Conditioning

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.

#Added per R/C 2.9-102; Added per R/C 2.9-103 @Added per R/C 2.9-104
Engine Family H2.9TRC

Issue Date	JUL 17 1986	17-4B					
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1987 DPA SETTINGS

Vehicle Line	ETW Limit	Non A/C		A/C	
		CDT	DPA	CDT	DPA
Ranger (4X2)	3125 ETW	13.46	11.4(C)	12.48	12.5(C)
	3500 ETW	15.19	11.6(C)	14.01	12.8(C)
Ranger (4X2) Chassis Cab	3625 ETW 28.0SF	11.47	15.2(C)	10.68	16.6(C)
Ranger (4X2) Chassis Cab	3875 ETW 42.0SF	10.98	18.1(C)	10.33	19.5(C)
Ranger (4X4)	3750 ETW	14.23	12.9(C)	13.20	14.2(C)
Bronco II (4x4)	3875 ETW	14.86	11.6(C)	13.88	12.8(C)
Bronco II (4X2)	3875 ETW	15.52	10.8(C)	14.40	11.9(C)

Engine Family H2.9TRC

Issue Date	JUL 17 1986	17-5						
Revised								