State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-199
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Ford Motor Company exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered light-duty trucks.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
4.9 NK	300 (4.9)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

Engine Family	Equiv. Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4.9 NK	0-3999	0.20	3.4	0.6
	4000-6000	0.16	4.5	0.7

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 except Motorcycles".

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 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Ford Motor Company has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 31st day of July, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

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Engine Family 4.9 NK Evaporative Family GQ

ABBREVIATIONS Engine CID (Liters) 300 (4.9)

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
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Model Code	Body Type	Wheelbase
E100 CWS	E100 Club Wagon	Short
RVL	Regular Van	Long
RVS	Regular Van	Short
F100 RCL	F100 Regular Cab	Long
RCS	Regular Cab	Short
F150 RCL	F150 Regular Cab	Long
RCS	Regular Cab	Short
SCL	Super Cab	Long
SCS	Super Cab	Short

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

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Engine Family 4.9 NK Engine Code -

ECS (Special Features) AIP,EGR,TWC w/CL CID (Liters)-Type 300(4.9)-I6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA,VA,EI Distributor Part No.	Fuel System 1V Part No.	EGR Valve Part No.	Label Ident. Part No.
1-52T-R00B	E100 RVL	A-3	4500	E1TE-12127-VA	E1TE-9510-AZA	E0TE-9D448-UA	DEY
	RVS		4250				
1-51T-R00A/N		M-3,4		E1TE-12127-RA	E1TE-9510-GA or GB**	E0TE-9D448-FA	DFC
	RVL		4500				
1-51T-R00A (w/AC)	CWS*		5000				
1-51T-R00N (w/o AC)			4750				

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.

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

Date of Issue 7-25-80
**11-14-80 RC# 4.9-150(add alt carb)

051280

E.O. #A -10-199

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

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Engine Family 4.9 NK Engine Code

ECS (Special Features) AIP,EGR,TWC w/CL CID (Liters)-Type 300(4.9)-I6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA,VA,EI Distributor Part No.	Fuel System IV Part No.	EGR Valve Part No.	Label Ident. Part No.
1-52S-R00B	F100 RCL	A-3	4000, 3875	E1TE-12127-VA	E1TE-9510-AZA	E1TE-9D448-LA	DEY
1-52S-R00A** (w/AC)	RCS		3875				
1-52S-R00N** (w/o AC)	F150 RCS						
	RCL		4000				
	SCL SCS		4250				

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 more than one test weight is listed, the lower should be used for testing.
*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 7-25-80
**8-8-80 RC# 4.9-109(add HIC for AC)

051280

E.O. #A-10-199

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Engine Family 4.9 NK Engine Code -

ECS (Special Features) AIP,EGR,TWC w/CL CID (Liters)-Type 300(4.9)-I6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA,VA,EI Distributor Part No.	Fuel System 1V Part No.	EGR Valve Part No.	Label Ident. Part No.
1-51S-R00A/N	F100 RCS	M-3,4	3875, 3750	E1TE-12127-RA	E1TE-9510-GA or GB**	E1TE-9D448-HA	DEW
	RCL		3875				
	F150 RCS	M-3					
	RCL		4000, 3875				
	SCS		4250, 4000				
	SCL		4250				
		M-4					
	RCS		3875, 3750				
	RCL		3875				
	SCS		4000				

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 more than one test weight is listed, the lower should be used for testing.
*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -7-25-80
**9-22-80 RC# 4.9-131(add alt carb)

051280

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Engine Family 4.9 NK Engine Code -

ECS (Special Features) AIP,EGR,TWC w/CL CID (Liters)-Type 300(4.9)-I6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA,VA,EI Distributor Part No.	Fuel System 1V Part No.	EGR Valve Part No.	Label Ident. Part No.
1-51S-R10A/N	F100 RCS	M-3, M-4 OD	3875, 3750	E1TE-12127-RA	E1TE-9510-GC or GD	E1TE-9D448-LA	DEW
	RCL		3875				
	F150 RCS	M-3					
	RCL		4000, 3875				
	SCS		4250, 4000				
	SCL	M-4 OD	4250				
	RCS		3875, 3750				
	RCL		3875				
	SCS		4000				
	F100 RCL	M-4**					
	RCS		3875				
	F150***RCS						
	RCL		4000				
	SCL		4250				
	SCS						

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 more than one test weight is listed, the lower should be used for testing.
*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 9-22-80 RC# 4.9-135(rev eng code)
**11-19-80 " "-139(add creeper M-4)
***12-3-80 " "-153 " " "

051280