

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.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Engine Family</u>	<u>Equiv. Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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 31<sup>st</sup> day of July, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-199 Page 1  
 Engine Family 4.9 NK Evaporative Family G0  
 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

<u>Model Code</u>	<u>Body Type</u>	<u>Wheelbase</u>
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

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

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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	EITE-12127-VA	EITE-9510-AZA	EOTE-9D448-UA	DEY
	RVS		4250				
1-51T-R00A/N	RVL	M-3,4	4500	EITE-12127-RA	EITE-9510-GA or GB**	EOTE-9D448-FA	DFC
			5000				
1-51T-R00A (w/AC)	CWS*		4750				
1-51T-R00N (w/o AC)							

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)

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

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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.
1-52S-R00B	F100 RCL	A-3	4000, 3875	EITE12127-VA	EITE-9510-AZA	EITE-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)

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company

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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	4000, 3875				
	RCL		4250, 4000				
	SCS		4250				
	SCL		M-4				
	RCS	3875					
	RCL	4000					
	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 -7-25-80

\*\*9-22-80 RC# 4.9-131(add alt carb)

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company Page 5

Engine Family 4.9 NK Engine Code -

ECS (Special Features) AIP,EGR,TWC w/CL CID (Liters)-Type 300(4.9)-16

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,	E1TE-12127-RA	E1TE-9510-GC or GD	E1TE-9D448- LA	DEW
	RCL		3750				
	F150 RCS	M-3	3875				
	RCL		4000,				
	SCS		3875				
	SCL		4250,				
			4000				
	RCS		4250				
	RCL		4250				
		M-4 OD	3875,				
	RCS		3750				
	RCL		3875				
		M-4**	3875				
	F100 RCL		4000				
	RCS		4250				
	F150***	4000					
RCS		4250					
RCL		4250					
		4000					
		4250					
		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 - 9-22-80 RC# 4.9-135(rev eng code)  
 \*\*11-19-80 " " -139(add creeper M-4)  
 \*\*\*12-3-80 " " -153 " " "