

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-220  
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 Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
CFM5.0T2HCC4	302 (5.0)	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 emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

<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>
4000-6000	0.50	9.0	1.5

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>
4000-6000	0.40	4.5	1.4

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 Executive Officer has been provided 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 in El Monte, California this 5<sup>th</sup> day of June, 1981.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Co. Executive Order No. A-10-220 Page 1  
 Engine Family CFM5.0T2HCC4 Evaporative Family 2EQ  
 Engine CID (Liters) 302 (5.0)

ABBREVIATIONS

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  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

<u>Vehicle Models</u>	<u>Wheelbase</u>	<u>Code</u>
E-100 Club Wagon	Short	CWS
Regular Van	Long	RVL
	Short	RVS
E-150 Club Wagon	Long	CWL
	Short	CWS
Regular Van	Long	RVL
	Short	RVS
Super Van	Long	SVL
E-250 Regular Van	Long	RVL
F-100 Regular Cab	Long	RCL
	Short	RCS
F-150 Regular Cab	Long	RCL
	Short	RCS
Super Cab	Long	SCL
	Short	SCS
Regular Cab* (4x4)	Long	RCL (4x4)
	Short	RCS (4x4)
F-250 Regular Cab	Long	RCL
Super Cab	Long	RCL
	Short	RCS

Bronco\*

DRIVE SYSTEM: Rear wheel  
 \*Four wheel

## 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company E.O. #A-10-220

Engine Family CFM5.0T2HCC4 CID (liter) - Type 302 (5.0) - V8

ECS (Special Features) AIP, EGR, TWC w/CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System VV Part No.	EGR Valve Part No.	Label Ident. Part No.
2-54R-RO0B	E-100 *RVS RVL CWS	A-3	4500 4750 5000	E1VF-12A649- FE	E1TE-9510- YA or E2TE-9510- CAA or DKA** or DFB+	E1TE-9F483- BA	AJN
-R10B**	E-150 *SVL CWS CWL		5250				
-R11B***	RVS RVL		4500 4750	E2VF-12A649- UA***			BGB***
	E-250 RVL Bronco*						
	F-150 *RCS (4x4) RCL (4x4)		4250 4500				

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.

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

Date of Issue - 6-5-81

Revisions: \*\*10-27-81 RC#4.2/5.0-139(rev chk set)

\*\*\*1-5-82 " " " -166 (rev EEC & air cln)

+5-5-82 Revision (add alt. p.n.)

## 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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ECS (Special Features) AIP, EGR, TWC w/CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans. (axle ratio)	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System VV Part No.	EGR Valve Part No.	Label Ident. Part No.
2-54P-R00B	F-100*RCS RCL	A-4 OD	4000	E1VF-12A649- ME	E1TE-9510- ABA or E2TE-9510- CBA or DLA** or DGB+	E1TE-9F483- BA	AJN
-R10B**	F-150*RCS RCL		4250				
	SCS		4500				
	SCL						
-R11B***	F-250*RCL	(3.54)		E2VF-12A649- VA***			BGB***
	SCS	(3.73)	4750				
	SCS						
	SCL						

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.

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