

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-221  
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>
CFM5.8T2HBF9	351 (5.8)	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	0.50	6.1	1.3

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 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 23<sup>rd</sup> day of March, 1981.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-221 Page 1  
 Engine Family CFM5.8T2HBF9 Evaporative Family 2EQ  
 Engine CID (Liters) 351 (5.8)

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>
Bronco*	-	-
E-150 Club Wagon	Short	CWS
	Long	CWL
Regular Van	Short	RVS
	Long	RVL
Super Van	Long	SVL
E-250 Regular Van	Long	RVL
F-150 Regular Cab	Long	RCL
Super Cab	Short	SCS
	Long	SCL
<u>4x4</u>		
Regular Cab*	Short	RCS
	Long	RCL
Super Cab*	Long	SCL
F-250 Regular Cab	Long	RCL
Super Cab	Short	SCS
<u>4x4</u>		
Regular Cab*	Long	RCL
Super Cab*	Long	SCL

DRIVE SYSTEM: Rear Wheel Drive  
 \*Four Wheel Drive

## 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel  
 Manufacturer Ford Motor Company E.O. #A-10-221  
 Engine Family CFM5.8T2HBF9 CID (liter) - Type 351(5.8)-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.
1-64S-ROOB -R10B***	F-150* RCL	A-3	4250	E1VF-12A649 KB	E1TE-9510- AHA or E2TE-9510- CCA or CCB*** or CCC+	EOAE-9F483- AA	ABC
	SCS		4500				
	SCL		4750				
1-64T-ROOB -R10B** -R11B*** -R12B***	4x4 RCL			E1VF-12A649- LB or E2VF-12A649- NA**			
	4x4 RCS		4500				
	4x4 SCL		5000				
	Bronco*						
1-64S-ROOB -R10B***	F-250 4x4 RCL			E1VF-12A649- KB			
	4x4 SCL		5250				
	RCL*		4500				
	SCS*		4750				
	SCL*		5000				

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 - 3/23/81

Revisions: \*\*8/21/81 RC #5.8W-108 (rev EEC)

\*\*\*11/23/81 RC #5.8W-145 and 151 (rev choke)

+4-30-82 Revision (add alt pn to 64S-R10 & 64T-R11)

## 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Ford Motor Company E.O. #A -10-221

Engine Family CFM 5.8T2HBF9 CID (liter) - Type 351 (5.8) - V8

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				EEC Part No.	VV Part No.	Part No.	Part No.
1-64R-R01B -R10B***	E-150* RVS RVL SVL CWS CWL	A-3	4500	E1VF-12A649-JC	E1TE-9510-AHA or E2TE-9510-CCA or CCB*** or CCC**	EOAE-9F483-AA	ABE
			4750				
			5000				
			5250				
	E-250* RVL						
1-63T-R00B -R10B** -R11B*** -R12B***	F-150* RCL SCS 4x4 RCS 4x4 RCL	M-4	4250	E1VF-12A649-HB or E2VF-12A649-KA**	E1TE-9510-ZA or E2TE-9510-CDA or CDB*** or CDD+		ABD
			4500				
			4750, 4500				
	F-250 RCL* SCS*	4750					
	SCL* 4x4 RCL	5000					
	4x4 SCL	5250					
	Bronco*	5000					

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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 + 4-30-82 Revision (add alt pn to R11)  
 ++ 4-30-82 " " " " R10)