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.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
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:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4000-6000	0.50	9.0	1.5

The following are the certification emission values for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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 23rd 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

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

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

Vehicle Models		Wheelbase	Code
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
	4x4		
	Regular Cab*	Short	RCS
		Long	RCL
	Super Cab*	Long	SCL
F-250	Regular Cab	Long	RCL
	Super Cab	Short	SCS
	4x4		
	Regular Cab*	Long	RCL
	Super Cab*	Long	SCL

DRIVE SYSTEM: Rear Wheel Drive
*Four Wheel Drive

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1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

__ Passenger Cars X Light-Duty Trucks X Medium-Duty Vehicles X 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-R00B -R10B***	F-150*	RCL	A-3	4250	E1VF-12A649 KB	E1TE-9510-AHA or E2TE-9510-CCA or CCB*** or CCC+	E0AE-9F483-AA	ABC
		SCS		4500				
		SCL		4750				
1-64T-R00B -R10B** -R11B*** -R12B***		4x4 RCL			E1VF-12A649-LB or E2VF-12A649-NA**			
		4x4 RCS		4500				
		4x4 SCL		5000				
	Bronco*							
	F-250	4x4 RCL						
		4x4 SCL		5250				
1-64S-R00B -R10B***		RCL*		4500	E1VF-12A649-KB			
		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 X Light-Duty Trucks X Medium-Duty Vehicles X 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 EEC Part No.	Fuel System VV Part No.	EGR Valve Part No.	Label Ident. Part No.
1-64R-R01B -R10B***	E-150*	RVS	A-3	4500	E1VF-12A649-JC	E1TE-9510-AHA or E2TE-9510-CCA or CCB*** or CCC++	E0AE-9F483-AA	ABE
		RVL		4750				
		SVL CWS		5000				
		CWL		5250				
	E-250*	RVL						
1-63T-R00B -R10B** -R11B*** -R12B***	F-150*	RCL	M-4	4250	E1VF-12A649-HB or E2VF-12A649-KA**	E1TE-9510-ZA or E2TE-9510-CDA or CDB*** or CDD+		ABD
		SCS 4x4 RCS 4x4 RCL		4500				
		SCL		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 " (" " " " R10)