State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-350 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		splacement (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JFM3.8V5HHCO	3.8	(231)	Air Injection - Pump Heated Oxygen Sensor Oxidation Catalyst Exhaust Gas Recirculation Three-Way Catalyst (Electronic Port Fuel Injection) (On-Board Diagnostics)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
Grams per Mile	Grams per Mile	Grams per mile	
0.41	7.0	0.7	

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
Grams per Mile	Grams per Mile	Grams per Mile	
0.20	1.6	0.3	

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

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

 4^{7} day of August, 1987.

K. D. Drachand, Chief Mobile Source Division

E.O. # A-10-350

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

		Fure		
Manufacturer <u>Ford Motor Comp</u>	any Engine Family JFM3 8V5HH	<u>C0</u>		
Evaporative Family 9HMV	Engine Type V6			
	Liters (CID) 3.8L (231)			
ABBREVIATIONS				
ignition System	Exhaust Emissions Control System	Special Features		
CA-Centrifugal Advance ECO-Electronic Control Unic EI-Electronic Ignition ESAC-Electronic Spark A wance Control WA-Vacuum Advance WR-T-gonus Retard	AIP Air Injection Pump AIV-Air Injection Valve DBG-Dual Bed Gatalyst EGR-Exhaust Gas Recirculation EIG-Electronic Injection Control EM-Engine Modification OG-Oxidation Catalyst OS-Oxygen Sensor HOS-Meated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOG-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWG-Three-way Catalyst WUOG-Warm-up Oxidation Catalyst WUTWG-Warm-up Three-way Catalyst	CGV-Combustion (
Fuel System CFI. CL, DID, DIP, EFI, MFI NV-nVenturi Carburetor		MFI-Mechanical Fuel Injection OBD-Ou-Board Diagnostics TC-Turbocharger		

VEHICLE MODELS:

PHINDERBIRD 63D COUGAR 66D

Front XXX Mid Rear Drive WWD RWD XXX 4WD Full Time 4WD Part Time

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 Passenger O	• · 1988 ars <u>XXX</u> Light-Du			RD SUPPLEMENTAI	DATA SHEET		<u> </u>
	r FORD MOTOR COM						
	3,8 (231)			_			
	entrol Sys. (Specia						
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Welght	(ECU)	Fuel System (Injectors)	EGR Valve	Catalyst
	(Dyno Hp)			Part No. -12A650-	Part No. -9F593-	Part No. -9D475-	Part No.
8-16T-R00A	THUNDERBIRD (8.1)	A4-OD	3500*	E8SFDB	E7DE- ~BB	E6AEBA	E8SC- 5F250-AA and
	COUGAR (9.1)		3625				E8SC- 5F212-AA
8-16F-R00A <u>1</u> /	THUNDERBIRD (8.1)		3500*	E8SFCB			
C	COUGAR (9.1)		3625				
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Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufactureres 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.

* Ford elects to test at the next higher ETW 1/ Per R/C 3.8-3

Dat f Issue <u>7/22/87</u> Revisions: 9/16/87