### State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-10-381 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 1989 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)
KFM3.8V5FAC3	3.8	(231)	Exhaust Gas Recircualtion Heated Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) On-Board Diagnostics (Exempted)

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)	
0.39	7.0	0.4	

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)	
0.21	2 0	0 1	

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 have been granted an exemption from compliance with the requirements of 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.).

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 2<sup>M</sup>

\_ day of August, 1988.

K. D. Drachand, Chief Mobile Source Division

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## 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Evaporative Family 9HM	Engine Type V6			
	Liters (CID) _3.8L (231)			
ABBREVIATIONS				
Ignition System	Exhaust Emissions Control System	Special Features		
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control JA-Vacuum Advance JR-Vacuum Retard	AIP-Air Injection Pump AIV-Air Injection Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-way Catalyst WUOC-Warm-up Oxidation Catalyst WUTWC-Warm-up Three-way Catalyst	CCV-Combustion Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel Injection IC-Intercooler or Aftercooler		
<u>Fuel System</u> FI, CL, DID, DIP, EFI, MFI NV-nVenturi Carburetor		Fuel Injection OBD-On-Board Diagnostics TC-Turbocharger		
VEHICLE MODELS:		10-Turbocharger		
CHUNDERBIRD 63D COUGAR 66D				
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Ingine: Front <u>XXX</u> Mid Rear Drive: FWD RWD <u>XXX</u> 4WD Full		FSDS338.WP		
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Diesel

## 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Persenger Cars XXX Light-Duty Trucks \_\_\_\_ Medium-Duty Vehicles \_\_\_\_ Gas XXX

Liter (CID) <u>3.8 (231)</u>			Eng. Type <u>V6</u>					
Emission Co	ontrol Sys. (Speci	al Featur	es) <u>ECU.</u>	EI.ESAC.CL.EG	R.TWC.HOS.EPFI.	OBD		
Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No. -12A650-	Fuel System (Injectors) Part No. -9F593-	EGR Valve Part No9D475-	Catalyst Part No. -5G214-	
9-16F-R00A	THUNDERBIRD (8.9) COUGAR (9.9)	A4-OD	3750* 3875	E9SFGA	E67EBB	OR	E9SCTA OR E9SCBC	
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equipment. If two test weights are listed, the lower weight will be used for testing.

\* Ford elects to test at the next higher ETW

E	Engine Family	K3.8VAC	•	
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	Revised			