

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-380
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:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
KFM3.OV5FED8	3.0 (181)	Exhaust Gas Recirculation 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:

<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0.39	7.0	0.4

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

<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0.15	1.8	0.2

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 1st day of July, 1988.



K. D. Drachand, Chief
Mobile Source Division

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Manufacturer Ford Motor Company Engine Family KFM3.OV5FED8
 Evaporative Family 9HM Engine Type V6
 Liters (CID) 3.0 (181)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 ECU-Electronic Control Unit
 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
 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

Special Features

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
 MFI-Mechanical
 Fuel
 Injection
 OBD-On-Board
 Diagnostics
 TC-Turbocharger

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor

VEHICLE MODELS:

TAURUS SEDAN 54D
 TAURUS S/W 74D
 TAURUS S/W 74A
 SABLE SEDAN 54D
 SABLE S/W 74D
 SABLE S/W 74A

Engine: Front XXX Mid ___ Rear ___

Drive:

FWD XXX RWD ___ 4WD Full Time ___ 4WD Part Time ___

Engine Family K3.OVED

Issue Date	5/23/88	17.00.00.00-3				
Revised						

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

Manufacturer FORD MOTOR COMPANY Engine Family KFM3.0V5FED8

Liter (CID) 3.0 (181) Eng. Type V6

Emission Control Sys. (Special Features) ECU, EP, ESAC, CL, HOS, EGR, TWC, EFI, OBD ^{EPFI}

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No. -12A650-	Fuel System Injector Part No. -9F593-	EGR Valve Part No. -9D475-	Catalyst Part No. -5F250-
910SR00A	TAURUS SEDAN (6.6)	A4-OD	3500	E9DF- -FB	E59E- -AB	E6AE- -BA	E7DC- -KA OR E7DC- -KB
	TAURUS S/W (8.4)		3625				
	SABLE SEDAN (6.6)		3500 2/				
	SABLE S/W (8.4)		3625				
810SR00N	TAURUS SEDAN + (6.0)		3375				
	TAURUS S/W (7.6)		3625				
	SABLE SEDAN (6.0)		3500				
	SABLE S/W (7.6)		3625				

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.

Date of Issue: 5/23/88

Revisions:
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Engine Family K3.OVED

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

Manufacturer FORD MOTOR COMPANY Engine Family KFM3.OV5FED8

Liter (CID) 3.0 (181) Eng. Type V6

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Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System Injector	EGR Valve	Catalyst
				Part No. -12A650-	Part No. -9F593-	Part No. -9D475-	Part No. -5F250-
910SR11A	TAURUS SEDAN - (6.4*/7.3**) TAURUS S/W (8.1) SABLE SEDAN (6.4*/7.3**) SABLE S/W (8.1)	A4-OD	3500 3625 3500 2/ 3625	E9DF- -FD	E59E- -AB	E6AE- -BA	E7DC- -KA OR E7DC- -KB
810SR11N	TAURUS SEDAN + (5.8) TAURUS S/W (7.4) SABLE SEDAN (5.8) SABLE S/W (7.4)		3375 3625 3500 3625				

* With P205 Tire
** With P195 Tire

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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Engine Family K3.OVED

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Revised							