

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-481  
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 1992 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: NFM4.6V5FDC8 Displacement: 4.6 Liters (281 Cu. Inches)

Exhaust Emission Control Systems and Special Features:

- Dual Heated Oxygen Sensors
- Dual Three-Way Catalysts (Two)
- Exhaust Gas Recirculation
- Sequential Multipoint Electronic Fuel Injection

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

The following are the exhaust emission standards for this engine family:

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

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.21	3.9	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 Code of Regulations, 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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

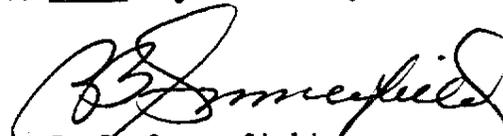
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 provisions (California Health and Safety Code Section 43205).

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 10<sup>th</sup> day of January, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family NFM4.6V5FDC8Pass Cars X Lt-Duty Trucks      Med-Duty Vehicles      Fuel Type GASOLINEEng. Type V-8 Liter (CID) 4.6L (280.7) Evap. Family HMEmission Control System & Special Features EGR/2HO2S/2TWC(2)/SMPI  
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid.      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT     

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP (DPA)	Ign. Sys. (PCME/PROM) Part No.	EGR Syst. Part No	Catalyst Part No.
218PRO5A	CROWN VIC/ GRAND MARQ	A-4	4000	9.2	F2MF-DB	F1AE-AD	F1FC-GA (5E212) F1VC-GA (5E214)
218TRO5A	"	"	"	"	F2MF-EB	"	"
118RR05A	LINCOLN TOWNCAR	"	4250	9.9	F1MF-EC F1MF-ED (ALT)	F1AE-AD E9SE-BA (ALT)	"
118SR05A	"	"	"	"	F1MF-FC F1MF-FD (ALT)	"	"
218PR10A	CROWN VIC/ GRAND MARQ	"	4000	9.4	F2MF-DC	F1AE-AD	"
218TR10A	"	"	"	"	F2MF-EC	"	"
Certification Standards							
NMHC: 0.39							
CO: 7.0							
NOx: 0.4							
EVAP: 2.0							

## 1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.6V5FDC8Pass Cars X Lt-Duty Trucks     Med-Duty Vehicles     Fuel Type GASOLINEEng. Type V-8 Liter (CID) 4.6L (280.7) Evap. Family HMEmission Control System & Special Features EGR/2HO2S/2TWC(2)/SMPI  
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid.     Rear     Drive: FWD     RWD X 4WD-FT     4WD-PT    

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP (DPA)	Ign. Sys. (PCME/PROM) Part No.	EGR Syst. Part No	Catalyst Part No.
218PR10A	CROWN VIC	A-4	4000	16.20* (10.0)	F2MF-DC	FLAE-AD	F1FG-GA (5E212)
218PR10A	GRAND MARQ	A-4	4000	16.69* (10.0)	F2MF-DC	FLAE-AD	F1VG-GA (5E214)
218MR00A	CROWN VIC	A4ODE	4000	9.2	F2VF-DB	"	"
218NR00A	CROWN VIC	"	4000	9.2	"	"	"
218QR05A	LINCOLN TC	"	4250	9.9	"	"	"
218RR05A	LINCOLN TC	"	"	9.9	"	"	"
218SR05A	"	"	"	"	"	"	"
218MR00A	GRAND MARQ	"	4000	9.4	"	"	"
218NR00A	"	"	4000	9.4	"	"	"
Certification Standards							
NMHC: 0.39							
CO: 7.0							
NOx: 0.4							
EVAP: 2.0							

\* P225/70R15 "ALL SEASON" TOURING TIRE  
ENGINE FAMILY: N4.6VDC  
ISSUED: 11-28-90  
REVISED: 2-12-91/9-30-91

Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.6V5FDC8

Pass Car  Lt-Duty Truck  Med-Duty Vehicle  Fuel Type Gasoline

Engine Config 90 deg. V Liter (CID) 4.6 (280.8) Evaporative Family HM

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) EGR/HO2S/2TWC(2)/SMPI  
(Use abbreviations per SAE J1930 Jun88)

Engine: Front  Mid.  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP (DPA)	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No. -9D475-	Catalyst Part No.
218PR10A	CROWN VIC	A-4	4000	16.20 <sup>1/</sup> (10.0)	F2MF-DC	F1AE-AD	F1VC-5E212-GA F1VC-5E214-GA
	GRAND MARQUIS			16.69 <sup>1/</sup> (10.3)			

<sup>1/</sup> P225/70R15 "ALL SEASON" TOURING SEDAN TIRE

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.6V5FDC8

Pass Car  Lt-Duty Truck  Med-Duty Vehicle  Fuel Type Gasoline

Engine Config 90 deg. V Liter (CID) 4.6 (280.8) Evaporative Family HM

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) EGR/HO2S/2TWC(2)/SMPI  
 (Use abbreviations per SAE J1930 Jun88)

Engine: Front  Mid.  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP (DPA)	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No.
218PR10A	CROWN VIC	A-4	4000	16.20 <sup>1</sup> / <sub>(10.0)</sub>	F2MF-DC	F1AE-AD	F1VC-5E212-GA F1VC-5E214-GA
	GRAND MARQUIS			16.69 <sup>1</sup> / <sub>(10.3)</sub>			

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1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O.# A-10-481

Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.6V5FDC8

Pass Car  Lt-Duty Truck  Med-Duty Vehicle  Fuel Type Gasoline

Engine Config 90 deg. V Liter (CID) 4.6 (280.8) Evaporative Family HM

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) EGR/HO2S/2TWC(2)/SMPI  
(Use abbreviations per SAE J1930 Jun88)

Engine: Front  Mid.  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP (DPA)	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No.
218PR10A	CROWN VIC/ GRAND MARQUIS	A-4	4000	16.20 <sup>1</sup> / <sub>(10.0)</sub>  16.69 <sup>1</sup> / <sub>(10.3)</sub>	F2MF-DC	F1AE-AD	F1VC-5E212-GA F1VC-5E214-GA
218MR05	"	"	"	9.4	"	"	"
218NR05	"	"	"	9.4	"	"	"
Certification Standards NMHC: 0.39 CO: 7.0 NOx: 0.4 EVAP: 2.0							

<sup>1</sup>/ P225/70R15 "ALL SEASON" TOURING SEDAN TIRE