State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-695
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-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VFM4.6V8G1FK Displacement: 4.6 Liters (280 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three-Way Catalytic Converters (two)
Dual Heated Oxygen Sensors (two)
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Carbon Monoxide (20°F) |
|---|---|---|---|---|
| 50,000 | 0.25 | 3.4 | 0.4 | 10.0 |
| 100,000 | 0.31 | 4.2 | 0.6 | n/a |

The certification exhaust emission values for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Carbon Monoxide (20°F) |
|---|---|---|---|---|
| 50,000 | 0.14 | 1.9 | 0.2 | 4.9 |
| 100,000 | 0.18 | 2.7 | 0.2 | n/a |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gases (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 (Title 13, California Code of Regulations, 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 May 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-10-695

# 1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: FORD MOTOR COMPANY  Eng. Family: VFM4.6V8G1FK

Pass Car: X (PC)  Light-Duty Truck: __(T1/T2) Med-Duty Vehicle: __ (M1/M2/M3/M4/M5)

Standards Type: T-1 (Tier 0/1, AB965, TLEV,LEV,ULEV)  Vehicle Type: (FFV,HEV(type A/B/C)_

Fuel Type: Gasoline  Evaporative Family: VFM1045AYMAA

Engine Config: V-8  Liter (CID): 4.6L (280)

Engine: Front X  Mid.__ Rear__  Drive: FWD__ RWDX_ 4WD-FT__ 4WD-PT_

Exhaust ECS & Special Features:(incl. CARB, MFI) 2TWC(2)/2HO2S(2)/EGR/SFI
(Use abbreviations per SAE J1930 May91)

| Engine Code (Cert Std.) | Vehicle Models (if coded see attachment) | Trans. Type A-Automatic M-Manual | ETW | DPA | Ignition (ECM/PCM) Part No. -12A650- | EGR System Part No. -9D475- | Catalyst Part No. -5F250- |
|---|---|---|---|---|---|---|---|
| 619PR11N | MUSTANG CONV | M | 3750 | 8.5[1] 7.7[2] | F6ZF-FE | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619PR11A | MUSTANG CONV | M | 3875 | 8.5[1] 7.7[2] | F6ZF-FE | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619TR11N | MUSTANG CONV | M | 3750 | 8.5[1] 7.7[2] | F6ZF-LE | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619TR11A | MUSTANG CONV | M | 3875 | 8.5[1] 7.7[2] | F6ZF-LE | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3750 | 8.5[1] 7.7[2] | | | |
| 620PR11A | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | F6ZF-HE | F6ZE-CA | F6ZC-LL |
| 620PR11N | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | | | |
| 620PR11N | MUSTANG COUPE | A | 3750 | 8.7[1] 7.9[2] | | | |
| 620PR11A | MUSTANG COUPE | A | 3750 | 8.7[1] 7.9[2] | | | |
| 620TR11A | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | F6ZF-NE | F6ZE-CA | F6ZC-LL |
| 620TR11N | MUSTANG CONV | A | 3875 | 8.5[1] 7.9[2] | | | |
| 620TR11N | MUSTANG COUPE | A | 3750 | 8.5[1] 7.9[2] | | | |
| 620TR11A | MUSTANG COUPE | A | 3750 | 8.5[1] 7.9[2] | | | |

[1] WITH P225/55ZR16 TIRES
[2] WITH 245/45ZR17 TIRES

* Ford elects under 86.084-26(A)II to conduct certification tests at the next higher ETW.

**ENGINE FAMILY: VFM4.6V8G1FK**  **20.09.17.02 - 2**  **R/C 4.6-2V-003**
**ISSUED: 6/10/96**
**REVISED:**

E.O.# A-10-695

# 1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: FORD MOTOR COMPANY Eng. Family: VFM4.6V8G1FK

Pass Car: X (PC) Light-Duty Truck: __(T1/T2) Med-Duty Vehicle: __ (M1/M2/M3/M4/M5)

Standards Type: T-1 (Tier 0/1, AB965, TLEV,LEV,ULEV) Vehicle Type: (FFV,HEV(type A/B/C).

Fuel Type: Gasoline (indolene) Evaporative Family: VFM1045AYMAA

Engine Config: V-8 Liter (CID): 4.6L (280)

Engine: Front X Mid.__ Rear__ Drive: FWD__ RWDX 4WD-FT__ 4WD-PT_

Exhaust ECS & Special Features:(incl. CARB, MFI) 2TWC(2)/2HO2S(2)/EGR/SFI
(Use abbreviations per SAE J1930 May91)

| Engine Code (Cert Std.) | Vehicle Models (if coded see attachment) | Trans. Type A-Automatic M-Manual | ETW | DPA | Ignition (ECM/PCM) Part No. -12A650- | EGR System Part No. -9D475- | Catalyst Part No. -5F250- |
|---|---|---|---|---|---|---|---|
| 619PR10N | MUSTANG CONV | M | 3750* | 8.5[1] 7.7[2] | F6ZF-FD | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619PR10A | MUSTANG CONV | M | 3875 | 8.5[1] 7.7[2] | F6ZF-FD | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619TR10N | MUSTANG CONV | M | 3750* | 8.5[1] 7.7[2] | F6ZF-LD | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 619TR10A | MUSTANG CONV | M | 3875 | 8.5[1] 7.7[2] | F6ZF-LD | F6ZE-CA | F6ZC-LL |
| | MUSTANG COUPE | M | 3625 | 8.5[1] 7.7[2] | | | |
| 620PR10A | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | F6ZF-HD | F6ZE-CA | F6ZC-LL |
| 620PR10N | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | | | |
| 620PR10N | MUSTANG COUPE | A | 3625* | 8.7[1] 7.9[2] | | | |
| 620PR10A | MUSTANG COUPE | A | 3750 | 8.7[1] 7.9[2] | | | |
| 620TR10A | MUSTANG CONV | A | 3875 | 8.7[1] 7.9[2] | F6ZF-ND | F6ZE-CA | F6ZC-LL |
| 620TR10N | MUSTANG CONV | A | 3875 | 8.5[1] 7.9[2] | | | |
| 620TR10N | MUSTANG COUPE | A | 3625* | 8.5[1] 7.9[2] | | | |
| 620TR10A | MUSTANG COUPE | A | 3750 | 8.5[1] 7.9[2] | | | |

[1] WITH P225/55ZR16 TIRES * Ford elects under 86.084-26(A)II to conduct certification tests at the next higher ETW.
[2] WITH 245/45ZR17 TIRES

**ENGINE FAMILY: VFM4.6V8G1FK** **20.09.17.02 - 1**
**ISSUED: 4/23/96**
**REVISED:**