

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-537  
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1993 model-year Otto-cycle engine is certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Liquefied Petroleum Gas

| <u>Engine Family</u> | <u>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems and Special Features</u> |
|----------------------|------------------------------|--|
| PFM07.0AGB2          | 7.0 (429)                    | Secondary Air Injection<br>Exhaust Gas Recirculation         |

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family in grams per brake-horsepower-hour:

| <u>Total Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> |
|---------------------------|------------------------|------------------------|
| 1.9                       | 37.1                   | 5.0                    |

The following are the certification emission values for this engine family in grams per brake-horsepower-hour:

| <u>Engine Family</u> | <u>Total Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> |
|----------------------|---------------------------|------------------------|------------------------|
| PFM07.0AGB2          | 0.5                       | 23.2                   | 2.8                    |

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted 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.).

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Engines 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 attachments.

Executed at El Monte, California this 9<sup>th</sup> day of September, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY DUTY OTTO-CYCLE ENGINES

E.O. # A-10-537

Manufacturer Ford Motor Company Engine Family PFM07.0AGB2 (P7.0B)

Liters (CID): 7.0L (429) Fuel Type: Liquid Petroleum Gas Engine Type: V-8

Exhaust ECS & Special Features (ECM/PCM, CARB, MPI, etc.) AIR/EGR  
(Use abbreviations per SAE J1930 JUN88)

| Engine Model<br>(Engine Code) | Rated HP<br>@ RPM | Ign. System<br>or Distributer<br><br>Part No.<br>-12127- | Fuel System<br>Carb<br><br>Part No.<br>-9510- | EGR Valve<br><br>Part No.<br>-9D475- | Catalyst<br><br>Part No.<br>-5E212- |
|-------------------------------|-------------------|--|---|--------------------------------------|-------------------------------------|
| 3-87L-R00                     | 235 @ 3600        | F3HE-AA  | F3HE-AA                                       | F27E-AB                              | NONE                                |

Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for evaporative emission family identification.

Engine Family: P7.0B

|            |         |               |  |  |  |  |
|------------|---------|---------------|--|--|--|--|
| Issue Date | 8-13-92 | 20.09.17.02-1 |  |  |  |  |
| Revised    |         |               |  |  |  |  |