

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-367  
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 Orders G-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1988 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds:

| <u>Engine Family</u> | <u>Displacement<br/>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>  |
|----------------------|---|---|
| JFM05.8BTA0          | 5.8 (351)                                     | Exhaust Gas Recirculation<br>Air Injection - Pump<br>Heated Oxygen Sensor<br>Three-Way Catalyst<br>(Electronic Port Fuel Injection) |

Engine models and codes are listed on attachments.

The following are the emission standards for this engine family:

| <u>Hydrocarbons<br/>gm/bhp-hr</u> | <u>Carbon<br/>Monoxide<br/>gm/bhp-hr</u> | <u>Nitrogen Oxides<br/>gm/bhp-hr</u> |
|-----------------------------------|--|--------------------------------------|
| 1.1                               | 14.4                                     | 6.0                                  |

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

| <u>Engine Family</u> | <u>Hydrocarbons<br/>gm/bhp-hr</u> | <u>Carbon<br/>Monoxide<br/>gm/bhp-hr</u> | <u>Nitrogen Oxides<br/>gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|--------------------------------------|
| JFM05.8BTA0          | 1.0                               | 6.6                                      | 5.6                                  |

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 attachment.

Executed at El Monte, California this 11<sup>th</sup> day of January, 1988.



K. D. Drachand, Chief  
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Engine Family JFM05.8BTA0  
 Liter (CID) 5.8L (351) Eng. Type V-8  
 Emission Control Sys. (Special Features) EGR/AIP/TWC/HOS (EPFI)

| Engine Model<br>5.8L<br>(Engine Code) | Maximum<br>Rated HP<br>at RPM | Rated<br>Torque<br>at RPM | Ignition<br>System<br>(ECU)<br>-12A650-<br>Part No. | Fuel System<br><br>Mfgr.<br>-9F593-<br>Part No. | EGR Valve<br><br>Mfgr.<br>-9F483-<br>Part No. | Catalyst<br><br>Mfgr.<br>-5E212-<br>Part No. |
|---------------------------------------|-------------------------------|---------------------------|---|---|---|--|
| 8-76A-R10                             | 210 @ 3800                    | 310 @ 2800                | E8TF-AUB  | E5TE-BB   | E8TE-BA                                       | E8TA-KA                                      |
| 8-75A-R10                             |                               |                           | E8TF-ATB  |   |   |  |
| 8-75R-R10                             |                               |                           | E8TF-NB   |   |   |  |