

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-194-1
Relating to Certification of New 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 1981 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| 4.9L"Q" | 300(4.9) | Air Injection-Pump |
| 5.8L(M)/6.6L"E" | 351/400(5.8/6.6) | Exhaust Gas Recirculation |
| 6.1L"E" | 370(6.1) | |
| 7.0L/7.5L"E" | 429(7.0) | |

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Carbon Monoxide gm/bhp-hr</u> | <u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|---|
| 4.9L"Q" | - | 10 | 5 |
| 6.8L(M)/6.6L"E" | - | 24 | 4 |
| 6.1L"E" | - | 17 | 5 |
| 7.0L/7.5L"E" | 0.4 | 12 | 4 |

BE IT FURTHER RESOLVED: That Ford Motor Company has provided to the Executive Officer 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.

Executive Order A-10-194, dated June 13, 1980, is hereby rescinded.

Executed at El Monte, California this 7th day of January, 1981.

K. D. Drachand
K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Page 1
 Engine Family 4.9L"Q" CID (Liters) 300(4.9)-I6 Eng. Code -
 -Type -
 ECS(Special Features) AIP,EGR

| Engine Model (Engine Code) | Ignition System CA,VA,VR,EI Part Number | Fuel System 1V Part Number | EGR Valve Part Number | Label Ident. Part Number |
|-------------------------------|---|--|--------------------------------------|--|
| 300-1V (9-77S-R10) | D9TE-12127-AEA | D9TE-9510-CA or CB* | D8BE-9D475-FA | DCF |

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*9-23-80 RC# 4.9 HD-5(add alt carb)

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

E.O. Book

Manufacturer Ford Motor Company Page 2
 Engine Family 5.8L(M)/6.6L"E" CID (Liters) 351/400(5.8/6.6) Eng. Code -
 -Type -V8
 ECS(Special Features) AIP,EGR

| Engine Model (Engine Code) | Ignition System | Fuel System | EGR Valve | Label Ident. |
|-------------------------------|-----------------|---------------|---------------|-----------------|
| | CA,VA,EI | 2V | | |
| | Part Number | Part Number | Part Number | Part Number |
| 351M-2V (9-71J-R10) | D7TE-12127-AHA | E1TE-9510-CEA | D8DE-9D475-CA | DBY |
| 351M-2V (9-72J-R11) | | E1TE-9510-CCA | | DBW |
| 400-2V (9-73J-R12) | D9TE-12127-ATA | E1TE-9510-BZA | * | DBR |
| 400-2V (9-74J-R12) | | E1TE-9510-CAA | | DBV |

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 *6-25-80 correct errata

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Page 3
 Engine Family 6.1L"E" CID (Liters) 370(6.1)-V8 Eng. Code -
 -Type -
 ECS(Special Features) AIP, EGR

| Engine Model (Engine Code) | Ignition System CA,VA,EI Part Number | Fuel System Part Number | EGR Valve Part Number | Label Ident. Part Number |
|-------------------------------|--|---|------------------------------|------------------------------------|
| 370-2V (9-83G-R12) | D9TE-12127-AUA | D9TE-9510-ABC or EOTE-9510-BCA (2V) | D8BE-9D475-BA* | DAY |
| 370-4V (9-83H-R14) | | D9TE-9510-AHE or EOTE-9510-JA (4V) | D8DE-9D475-CA | DAW |

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*6-25-80 correct errata

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINESManufacturer Ford Motor Company Page 4Engine Family 7.0L/7.5L"E" CID (Liters) 429(7.0)-V8 Eng. Code -
-TypeECS(Special Features) AIP,EGR

| Engine Model (Engine Code) | Ignition System CA,VA,EI | Fuel System 4V | EGR Valve | Label Ident. |
|-------------------------------|-----------------------------|----------------------------------|---------------|-----------------|
| | Part Number | Part Number | Part Number | Part Number |
| 429-4V (9-87G-R11) | D9TE-12127-AVA | D9TE-9510-ETA or EOTE-9510-MA | D8DE-9D475-CA | DBA |

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