

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-178  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Ford Motor Company exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered light-duty trucks.

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u> |
|----------------------|--------------------------------------|--|
| 4.9 ND               | 300                                  | Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst   |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

| <u>Engine Family</u> | <u>Inertia<br/>Weight<br/>Class</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|-------------------------------------|--|---|---|
| 4.9 ND               | 4000-<br>6000                       | 0.24                                   | 6.2                                       | 1.9                                       |

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 except Motorcycles".

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 Administrative Code, Section 2290) for the aforementioned model year.

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).

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 9<sup>th</sup> day of August, 1979.



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

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-178 Page 1  
 Engine Family 4.9 ND Engine (CID) 300

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst

Special Features

CCAV-Combustion Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbo Charged

| <u>Model</u> | <u>Body Type</u> | <u>Wheelbase</u> | <u>Box Design</u> | <u>Trim Levels</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| F-100        | Regular Cab      | SWB & LWB<br>SWB | A<br>B            | 1,2,3,4<br>1,3     |
| F-150        | Regular Cab      | SWB & LWB<br>SWB | A<br>B            | 1,2,3,4<br>1,3     |
| F-150        | Super Cab        | SWB & LWB        | A                 | 1,2,3,4            |

Box Design

A. Styleside  
 B. Flareside

Trim Level

1. Custom  
 2. Ranger  
 3. Ranger XLT  
 4. Ranger Lariat

Wheelbase

LWB Long Wheelbase  
 SWB Short Wheelbase

Evaporative Family: TQ  
 TM

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-10-178

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

Manufacturer Ford Motor Company

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Engine Family 4.9 ND

CID-Type 300 I-6

Engine \* Code 0-51S-ROOB

ECS (Special Features) + 10% (A/C)    Yes        No X

| Engine Code | Vehicle Models<br>(If Coded see attachment) | Trans.     | Test Weight Class<br>(Inertia) | Ign. System<br>CA, VA<br>Part No. | Fuel System<br>1-1V<br>Part No. | EGR Valve<br>Part No. | Label Ident. |
|-------------|---|------------|--------------------------------|-----------------------------------|---------------------------------|-----------------------|--------------|
|             | F-100<br>Regular Cab<br>SWB<br>LWB          | M-3<br>M-4 | 3875                           | Ford<br>EOTE-12127-FA             | Carter<br>EOTE-9510-CA          | EOUE-9D448-DA         | BHL          |
|             | F-150<br>Regular Cab<br>SWB<br>LWB          |            | 4000                           |                                   |                                 |                       |              |
|             | Super Cab<br>SWB<br>LWB                     |            | 4250                           |                                   |                                 |                       |              |
|             |   |            | (4000)                         |                                   |                                 |                       |              |

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

\*Engine Code Letter Suffix (Air Conditions): A-A/C, N-Non A/C, B-Both A/C & Non A/C

Date of Issue -

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Passenger Cars  Light-Duty Trucks  Medium-Duty Vehicles  Gas  Diesel

Manufacturer Ford Motor Company

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Engine Family 4.9 ND

CID-Type 300 I-6

Engine \* Code 0-52S-ROOB

ECS (Special Features) AI, EGR, OC

+ 10% (A/C)

Yes          No X

| Engine Code | Vehicle Models (If Coded see attachment)  | Trans. | Test Weight Class (Inertia) | Ign. System CA, VA Part No. | Fuel System 1-1V Part No.   | EGR Valve Part No. | Label Ident. |
|-------------|---|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------|
|             | <u>F-100</u><br>Regular Cab<br>SWB<br>LWB | A-3    | 3875                        | Ford<br>EOUE-<br>12127-BA   | Carter<br>EOTE-<br>9510-ALA | EOTE-<br>9D448-FA  | BHK          |
|             | <u>F-150</u><br>Regular Cab<br>SWB<br>LWB |        | 4000                        |                             |                             |                    |              |
|             | Super Cab<br>SWB<br>LWB                   |        | 4250                        |                             |                             |                    |              |
|             |   |        | (4000)                      |                             |                             |                    |              |

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E.O. #A -10-178

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

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Engine Family 4.9 ND

CID-Type 300 I-6

Engine \* Code 0-52S-R10B

ECS (Special Features) AI, EGR, OC

+ 10% (A/C)

Yes          No X

| Engine Code | Vehicle Models (If Coded see attachment)  | Trans. | Test Weight Class (Inertia) | Ign. System CA, VA<br>Part No. | Fuel System 1-1V<br>Part No. | EGR Valve<br>Part No. | Label Ident. |
|-------------|---|--------|-----------------------------|--------------------------------|------------------------------|-----------------------|--------------|
|             | <u>F-100</u><br>Regular Cab<br>SWB<br>LWB | A-3    | 3875                        | Ford<br>EOUE-<br>12127-BA      | Carter<br>EOTE-<br>9510-ALA  | EOTE-<br>9D448-FA     | BUG          |
|             | <u>F-150</u><br>Regular Cab<br>SWB<br>LWB |        | 4000                        |                                |                              |                       |              |
|             | Super Cab<br>SWB<br>LWB                   |        | 4250                        |                                |                              |                       |              |
|             |   |        | (4000)                      |                                |                              |                       |              |

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