

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-24-10  
Relating to Certification of New Motor Vehicle Engines

AUTOMOBILES PEUGEOT

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 Automobiles Peugeot exhaust emission control systems are certified as described below for 1980 model-year diesel-powered passenger cars.

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u> |
|----------------------|--------------------------------------|--|
| XD2C                 | 140.6                                | Exhaust Gas Recirculation<br>Engine Modification               |

Vehicle Models, Transmissions and Engine Codes 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 1980 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|--|---|---|
| XD2C                 | 0.30                                   | 2.1                                       | 1.3                                       |

BE IT FURTHER RESOLVED: That Automobiles Peugeot 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 19<sup>th</sup> day of February, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

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Engine Family XD2C Engine (CID) 140.6

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

Models: 505 Sedan  
504 Station Wagon

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 Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel
Manufacturer Automobiles PeugeotPage 2Engine Family XD2CCID-Type 146 ci - I4
 Engine Code XD2CM/AC  
XD2CM  
XD2CA/AC  
XD2CA

 ECS (Special Features) MFI - EGR    +10% (A/C)    Yes X    NO

| Engine Code | Vehicle Models (if Coded see attachment)         | Trans.         | Test Weight Class (Inertia)    | Ign. System Distributor Part No. | Fuel System MFI Part No.        | EGR Valve Part No.    | Label Ident              |
|-------------|--|----------------|--------------------------------|----------------------------------|---------------------------------|-----------------------|--------------------------|
| XD2CA       | 505 (4 dr. Sedan)<br>504 SW                      | A3<br>A3       | 3500<br>3625<br>(3500)         | N.A.                             | Bosch<br><br>VE 4/9F<br>2250R50 | Guiot<br><br>N° 15159 | See<br>SDS<br>pp.<br>3&4 |
| XD2CA/AC    | 505 (4 dr. Sedan)<br>505S(4 dr. Sedan)<br>504 SW | A3<br>A3<br>A3 | 3500<br>3500<br>3750<br>(3500) |                                  |                                 |                       |                          |
| XD2C        | 505 (4 dr. Sedan)<br>504 SW                      | M4<br>M4       | 3500<br>3625<br>(3500)         |                                  |                                 |                       |                          |
| XD2CM/AC    | 505 (4 dr. Sedan)<br>505S(4 dr. Sedan)<br>504 SW | M4<br>M4<br>M4 | 3500<br>3500<br>3625<br>(3500) |                                  |                                 |                       |                          |

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.

Date of Issue -

only 504 Diesel station wagon California Model

**VEHICLE EMISSION CONTROL INFORMATION**  
AUTOMOBILES PEUGEOT

**1980 STANDARDS**

|            |                   |                   |                               |
|------------|-------------------|-------------------|-------------------------------|
| CALIFORNIA | HC<br>0.46 g/mile | CO<br>10.6 g/mile | NO <sub>x</sub><br>1.5 g/mile |
| FEDERAL    | 0.41 g/mile       | 7.0 g/mile        | 2.0 g/mile                    |

- ENGINE FAMILY : XD2C
- ENGINE CODES : XD2CM - XD2CM/AC - XD2CA - XD2CA/AC
- DISPLACEMENT : 140.6 CI
- EMISSION CONTROL SYSTEM : MFI + EGR
- ENGINE TUNE UP SPECIFICATIONS
- INJECTION TIMING : 11 ± 1° BTDC
- ADVERTISED HORSE POWER : 71 hp (4500 RPM (DIN))
- FUEL RATE AT ADVERTISED HORSE POWER : 35.5 ± 1.5 mm<sup>3</sup>/STROKE
- IDLE SPEEDS : ENGINE CODES } XD2CM - XD2CA : 780 to 830 RPM  
XD2CM/AC - XD2CA/AC : 830 to 850 RPM
- FAST IDLE : 2 mm (0.08") PLAY BETWEEN CABLE PULLEY AND PLUGER SUPPORT
- VEHICLES CONDITION : ENGINE HOT (FAN ENGAGED)  
TRANSMISSION IN NEUTROL  
AIR CONDITIONING IN OFF POSITION  
ALL ELECTRICAL ACCESSOIRES IN THE OFF POSITION
- ADJUSTMENT PROCEDURES
- IDLE SPEED } REFER TO OWNER'S MANUAL AT/AND
- FAST IDLE SPEED } WORKSHOP MANUAL
- INJECTOR CHECK } REFER TO WORKSHOP MANUAL
- INJECTION TIMING }
- VALVE ADJUSTMENT
- VEHICLE CONDITIONS : ENGINE COLD (8 HOURS REST MINIMUM)

|         |                       |                       |  |
|---------|-----------------------|-----------------------|--|
| INTAKE  | 0.25 + 0.05<br>+ 0 mm | 0.010" + 0.002<br>+ 0 |  |
| EXHAUST | 0.25 + 0.05<br>+ 0 mm | 0.010" + 0.002<br>+ 0 |  |

"THIS VEHICLE CONFORMS TO US E.P.A. AND CALIFORNIA ARB REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES"

157 - 504 DCO - 504 DC5

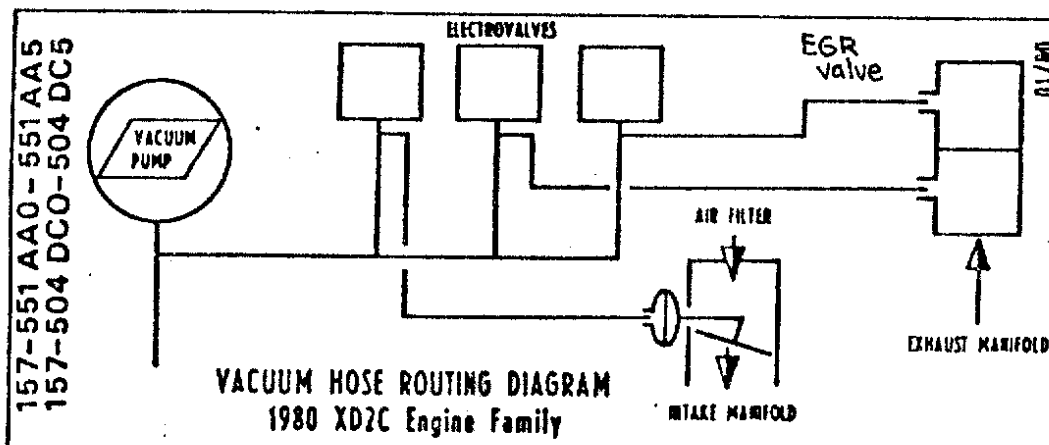
01/80

Material : Plastic

Fastening Method : Adhesives - will tear apart when removal is attempted.

Color Text Yellow

Black ground : Blue




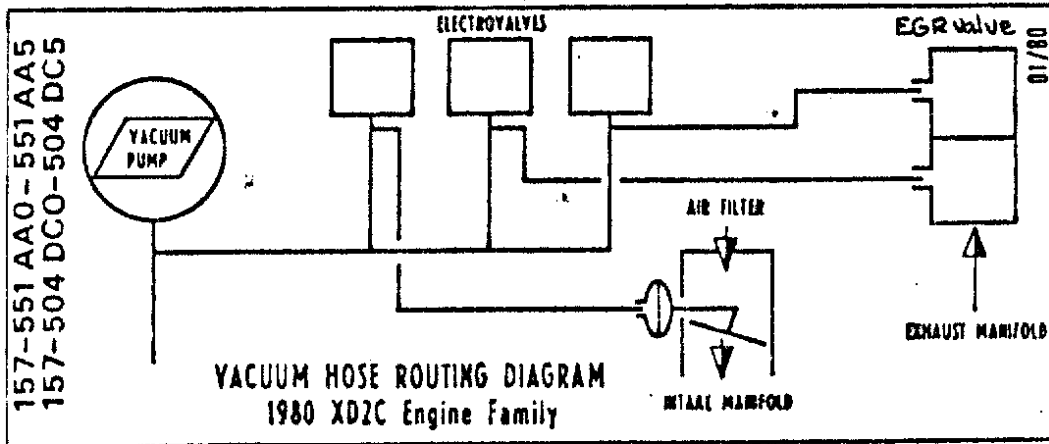
Location on left inner fender, near fire wall

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Only 505 Diesel California Model

| VEHICLE EMISSION CONTROL INFORMATION  |                   |                   |                               |  | - FAST IDLE : 2 mm (0.08") PLAY BETWEEN CABLE PULLEY AND PLUGER SUPPORT<br>- VEHICLES CONDITION : ENGINE HOT (FAN ENGAGED)<br>TRANSMISSION IN NEUTROL<br>AIR CONDITIONNING IN OFF POSITION<br>ALL ELECTRICAL ACCESSOIRES IN THE OFF POSITION<br>- ADJUSTMENT PROCEDURES<br>- IDLE SPEED } REFER TO OWNER'S MANUAL AT/AND WORKSHOP MANUAL<br>- FAST IDLE SPEED }<br>- INJECTOR CHECK } REFER TO WORKSHOP MANUAL<br>- INJECTION TIMING }<br>- VALVE ADJUSTMENT<br>- VEHICLE CONDITIONS : ENGINE COLD (6 HOURS REST MINIMUM)<br>- INTAKE 0.25 + 0.05 mm 0.010" + 0.002<br>+ 0 mm + 0<br>EXHAUST 0.25 + 0.05 mm 0.010" + 0.002<br>+ 0 mm + 0<br>"THIS VEHICLE CONFORMS TO US E.P.A. AND CALIFORNIA ARB REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES" |
|---|-------------------|-------------------|-------------------------------|---|--|
| 1980 STANDARDS  |                   |                   |                               |   |  |
| CALIFORNIA  | HC<br>0.46 g/mile | CO<br>10.6 g/mile | NO <sub>x</sub><br>1.5 g/mile | 01/80<br>157 - 551 AA0 - 551 AA5  |  |
| FEDERAL   | 0.41 g/mile       | 7.0 g/mile        | 2.0 g/mile                    |   |  |
| - ENGINE FAMILY : XD2C<br>- ENGINE CODES : XD2CM - XD2CM/AC - XD2CA - XD2CA/AC<br>- DISPLACEMENT : 140.6 CI<br>- EMISSION CONTROL SYSTEM : MFI + EGR<br>- ENGINE TUNE UP SPECIFICATIONS<br>- INJECTION TIMING : 11 ± 1 BTDC<br>- ADVERTISED HORSE POWER : 71 at 4500 RPM (DIN)<br>- FUEL RATE AT ADVERTISED HORSE POWER : 35.5 ± 1.5 mm <sup>3</sup> /STROKE<br>- IDLE SPEEDS : ENGINE } XD2CM - XD2CA : 780 to 830 RPM<br>CODES } XD2CM/AC - XD2CA/AC : 830 to 880 RPM |                   |                   |                               |   |  |



Material : Plastic

Fastening Method : Adhesives - will tear apart when removal is attempted.

Color : Text yellow

Back ground : blue

Location: Front area, inner hood