E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-24-11
Relating to Certification of New Motor Vehicles

AUTOMOBILES PEUGEOT

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 Automobiles Peugeot exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
XN6	120.3 (2.0)	Air Injection - Pump Three Way Catalyst with Closed Loop (Mechanical Fuel Injection)

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 1981 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
XN6	0.10	0.9	0.6

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".

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 the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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.

Executive Order A-12-11, dated September 15, 1980, is hereby rescinded.

Executed at El Monte, California this 30th day of September, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

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Engine Family XN6 Evaporative Family EV.XN6.SE

ABBREVIATIONS Engine CID (Liters) 120.3 (2.0)

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

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Vehicle Models

*505 Sedan

*Add 10% to dyno test Hp for air conditioning.

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

Manufacturer Automobiles Peugeot

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Engine Family XN6

Engine Code -

ECS (Special Features) AI-P, TWC, CL (MFI)

CID (Liter)-Type 120.3 (2.0) L4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System VA, CA, EI Part No.	Fuel System MFI Part No.	EGR Valve Part No.	Label Ident. Part No.
XN6.M5	*505 Sedan	M5	3375	Distributor Ducellier M 118 AC Delco Module 12VDR512	Bosch Fuel Distributor 0438 040 - 096 Electronic Control Unit 0280 800 -026	n/a	See SDS pp 3 & 4
XN6.A3		A3					

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

ONLY 505 GASOLINE INJECTION MODEL

157 - 551 AA6 - 551 AA4

VEHICLE EMISSION CONTROL INFORMATION

AUTOMOBILES PEUGEOT

1981 STANDARDS

	HC	CO	NOx
CALIFORNIA	0.41 g/mile	7.0 g/mile	0.7 g/mile
FEDERAL	0.41 g/mile	3.4 g/mile	1.0 g/mile

CATALYST

- ENGINE FAMILY : XN6
- EVAPORATIVE FAMILY : XN6
- ENGINE CODES : XN6.A3 XN6.M5
- DISPLACEMENT : 120.3 CI
- EMISSION CONTROL SYSTEM : AIP-TWC-EGS
- ENGINE TUNE UP SPECIFICATIONS:
- SPARK PLUGS : WR7DS
- GAP : 0.6 $^{+0.1}_{+0}$ mm 0.024" $^{+0.004"}_{+0}$
- INITIAL TIMING ADVANCE : 8° ± 2 BTDC (Distributor vacuum disconnected)
- IDLE SPEED : 900 $^{+50}_{-0}$ RPM
- IDLE CO : See workshop manual
- FAST IDLE : 1500 $^{+50}_{-0}$ RPM
- ADVERTISED HORSE POWER : 96 HP at 4900 RPM

IDLE SPEED ADJUSTMENT PROCEDURE :
- TRANSMISSION : NEUTRAL
- ENGINE NOT
- ALL ELECTRICAL ACCESSORIES OFF

1) RUN THE ENGINE ON ROAD AT 3000 RPM WITHOUT LOAD DURING 15 mn.
2) ACT ON THE PILOT SCREW TO GET AN ENGINE SPEED OF 900 ± 50 RPM.

- VALVE ADJUSTMENT

ENGINE COLD (6 HOURS REST MINIMUM)

INTAKE 0.10 $^{+0.05}_{+0}$ mm 0.004 $^{+0.002"}_{+0}$

EXHAUST 0.25 $^{+0.05}_{+0}$ mm 0.010" $^{+0.002"}_{+0}$

- ADJUSTMENT PROCEDURE
  SEE WORKSHOP MANUAL

"THIS VEHICLE CONFORMS TO US E.P.A. AND CALIFORNIA ARB REGULATIONS APPLICABLE TO 1981 MODEL YEAR NEW MOTOR VEHICLES AT ELEVATIONS EQUAL TO OR LOWER THAN 1,219 METERS (4,000 Feet)".

Material plastic

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

Color : text : white
black ground : red

Location : on water radiator shroud

051380

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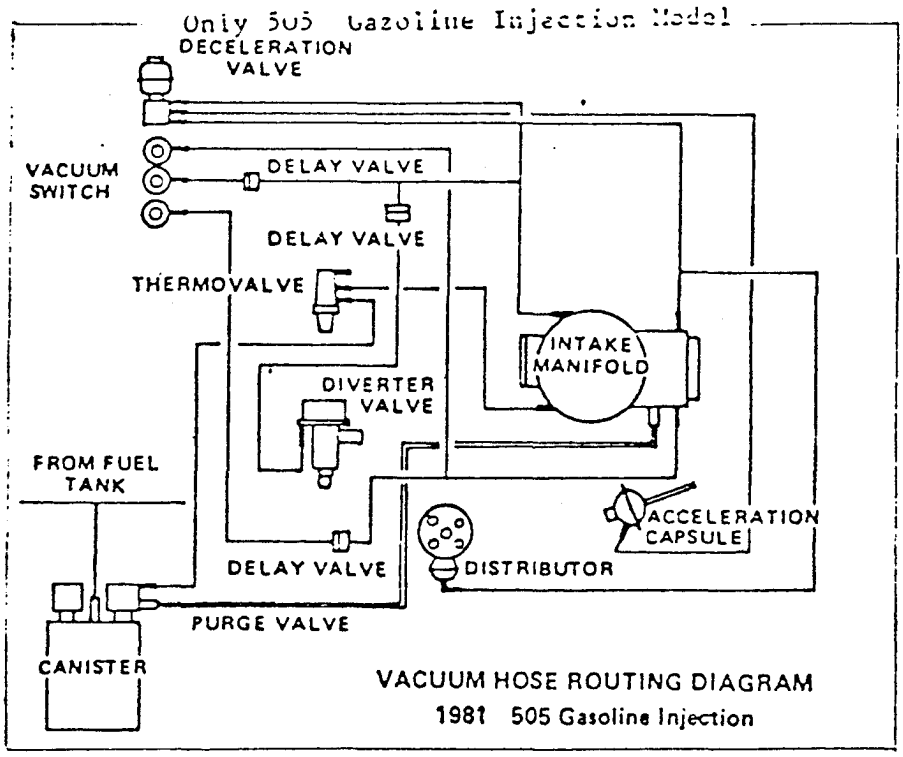

Material : Plastic

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

Color : text : white

black ground : red

Location: Water Radiator Shroud

051380