 E. C. Bak

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-24-12
Relating to Certification of New Motor Vehicles

AUTOMOBILES PEUGEOT

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1981 model-year Automobiles Peugeot exhaust emission control systems are certified as described below for 1981 diesel-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
XD2S	141 (2.3)	Engine Modification Exhaust Gas Recirculation (Diesel Fuel Injection) (Turbocharger)

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 1981 model-year vehicles:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.22	1.2	1.3

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's 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 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).

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 15th day of September, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Peugeot Executive Order No. A-24-12 Page 1

Engine Family XD2S Evaporative Family EXD2S

ABBREVIATIONS Engine CID (Liters) 141 (2.3)

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 usage.

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1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Automobiles Peugeot Page 2

Engine Family XD2S Engine Code See Below

ECS (Special Features) EGR (MFI, TC) CID (Liter)-Type 141 (2.3) 14

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
XD2S M5 **XD2SM5/AC	*505 Sedan	M5	3500	n.a.	Bosch Injection Pump VE4/10F 2075 R 67 or ***VE R 67 Type 514 Garett Turbocharger TAO 302	Guiot SA N° 1561A	See SDS pp. 3 & 4
XD2S A3 **XD2SA3/AC		A3			Bosch Injection Pump VE 4/10F 2125 R67/1 or ***VE R 67/1 Type 515 Garett Turbocharger TAO 302		

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.
**Equipped with a pressure-actuated air conditioning compressor cut-off switch.

Date of Issue - 09-15-80
Revised - 11-03-80:RC#XD2S 81-1 (10-15-80) Change in part #.

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VEHICLE EMISSION CONTROL INFORMATION
Automobiles PEUGEOT

1981 STANDARDS

CALIFORNIA	0.46g/mile	4.0g/mile	1.5g/mile
FEDERAL	0.41g/mile	3.4g/mile	1.5g/mile

- ENGINE FAMILY : XD2S
- EVAPORATIVE FAMILY : EXD2S
- ENGINE CODES : XD2S M5 - XD2S M5/AC
  XD2S A3 - XD2S A3/AC

- DISPLACEMENT : 2.304 liters (140.6 ci)
- EMISSION CONTROL SYSTEM : MFI - EGR
- ENGINE TUNE UP SPECIFICATIONS :
  INJECTION TIMING : 7 ± 0.75
- VEHICLE CONDITIONS :
  . ENGINE HOT (FAN HAS BEEN ENGAGED)
  . TRANSMISSION IN NEUTRAL
  . AIR CONDITIONNING IN OFF POSITION
  . ALL ELECTRICAL ACCESSORIES IN THE OFF POSITION

IDLE SPEEDS : MANUAL AND AUTOMATIC TRANSMISSION WITHOUT AC 810 ± 30 RPM

MANUAL AND AUTOMATIC TRANSMISSION WITH AC 830 ± 30 RPM

FAST IDLE : 1250-1350 RPM

- VALVE ADJUSTMENT
- VEHICLE CONDITIONS : ENGINE COLD (6 HOURS REST MINIMUM)

	+ 0.05		+ 0.002"
INTAKE 0.15 mm	+ 0	0.006"	+ 0
	+ 0.05		+ 0.002"
EXHAUST 0.25 mm		0.010"	
	+ 0		+ 0

ADJUSTMENT PROCEDURES SEE WORKSHOP MANUAL

"THIS VEHICLE CONFORMS TO U.S E.P.A and california arb REGULATIONS APPLICABLE OT 1981 MODEL YEAR NEW MOTOR VEHICLES AT ELEVATIONS EQUAL TO OR LOWER THAN 1,219 METERS (4,000 Feet)"

505 DIESEL MODEL

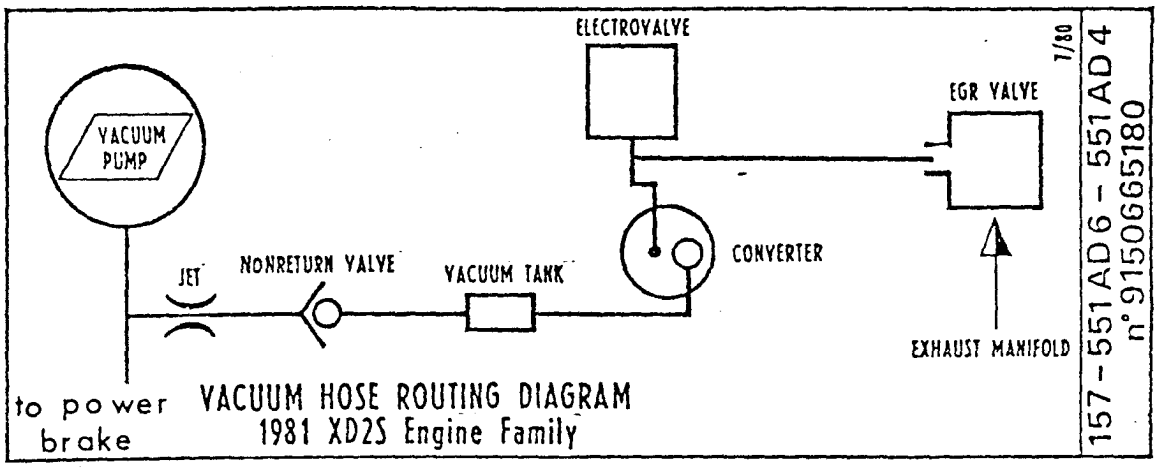
MATERIAL : Plastic.

FASTENING METHOD : Adhesives with tear apart when removalis attemped.

COLOR : Text : blue.
Back ground : white.

LOCATION : On front hood.

505 DIESEL MODEL



Material : plastic

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

Color Text : blue
Back ground : white