

Technical data: Citroen 11BL /BN

ENGINE

Power, perfo / 11D:	56 / 63 pk 3800 rpm
Compression ratio:	6,2 : 1
Compression:	7,7 kg/cm ²
Torque:	12,2 kgm / 2000 omw
Cylinder diameter:	78 mm.
Stroke:	100 mm
Cylinders:	4 in line.
Cylindervolume:	1,911 liter
Mainbearing seat bore:	58,01 + 0,025mm

PISTONS

Material:	Aluminium alloy.
Play pistons-liners:	0,06-0,08 mm.
Gudgeon pin diam:	20 mm.
Pin play:	tumbpressure
Gudgeon pin grip:	2 / 3 compressie
Piston ring gap:	2 oilscrape compression: 0,15 - 0,20 mm. oilscrape: 0,07 - 0,10 mm.

CYLINDERLINING

Position compared to engine	0,05 - 0,10 mm above engine
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CONNECTING RODS

Radial play:	0,05 - 0,06 mm.
Axial play:	0,10 - 0,15 mm.
Bearinghouse size 11D:	51,585-51,600 mm

CRANKSHAFT

Mainbearing crank pin:	50,00 mm. std.
Connecting rod crank pin:	47,990-48,000 mm. std.
Mainbearings radial play:	0,04 - 0,08 mm.
Connecting rod radial play:	0,10 - 0,15 mm.
Point of measure (axial play):	rear bearing (at transmission chain).

VALVES

Valve clearance (11D):	Inlet 0,15 (0,20) mm., hot Exhaust 0,20 (0,25) mm., hot
Valve seat angle:	30 degrees Inlet / Exhaust
Valvespring tension:	<u>Innerspring:</u>
Free length:	43 mm.
@ 16kg. load:	27 mm.
@ 9kg. load:	33 mm.
Valvespring tension:	<u>Outerspring:</u>
Free length:	46,5 mm.
@ 30kg. load:	29 mm.
@ 15kg. load:	37 mm.

VALVE TIMING:

Inlet opens:	5° TDC (top dead center)
Inlet closes:	45° ABDC (after bottem dead center)
Exhaust opens:	45° BBDC (before bottem dead center)
Exhaust closes:	11° ATDC (after top dead center)

IGNITION

Sparkplugs, mark and type:	Marchal 5N, BERU 14-6BU, Champion H10, K.L.G. F50
Elektrod gap (11D):	0,5 - 0,6 mm. (0,6 - 0,7 mm)

DISTRIBUTOR

Mark and type:	*SEV *R.B. *DUCELIER
Point gap:	0,45 - 0,55 mm.
Distributor advance:	8° BTDC
Max. advance centrifugal:	26° @ 3200 rpm
Vacuum:	24° @ 35 cm.Hg
Ignition sequence:	1 - 3 - 4 - 2.
Where to set timing:	Flywheel. (6mm in clutchhouse, left side)

FUELSYSTEM

Carburettor, make and type:	* Solex 35 FPAI. * Solex 32 PBIC. * Zenith 32 IN.
Fuelpump, make and type:	* AC * SEV * GUIOT.
Pumppressure:	0,15 atm.

ALTERNATOR

Voltage Regulator, mark and type:	* Ducellier, * Citroën.
Cutting in voltage:	6,2 - 7,2 Volt.
Cutting out voltage:	7,2 Volt.
Volt:	6 Volt.
Polarity:	Negative ground.

LUBRICATION SYSTEM

Oil pressure hot:	2 - 2,5 atm @ 500 - 750 rpm.
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FRONTAXLE ALIGNMENT

Camber:	1° ± ½
Caster:	1½° ±¼
Toe out:	0 - 2 mm.
Wheelbase:	291 cm.
Tire dim: 11ev.	165 x 400, Michelin X
15ev.	185 x 400, Michelin X
Tire pressure: 2 prs (4 prs+)	front: 1,7(2,0) back: 1,9(2,2)at
Chassis height: front / back BL/BN	front:295mm back:285/295mm.

FEETBRAKE

Brakedrum diameter:	back: 255 mm. + 2 mm. front: 305 mm. + 2 mm.
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LENGTH OF BRAKELINING

Front primair:	287 mm.
Front secundair:	142 mm.
Back primair:	142 mm.
Back secundair:	127 mm.
Width brakelining:	35 mm.
Thickness brakelining:	5 mm.

TIGHTEN TORQUES

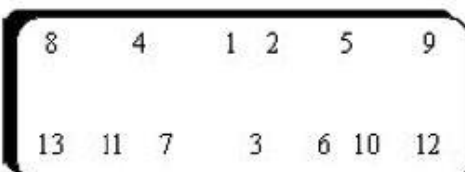
Cylinderhead bolts (HY/ID):	5 kgm/ 50 Nm (6kgm./60Nm.)
Connectin Rods Perfo (11D):	4 kgm/ 40 Nm (5 kgm/ 50 Nm)
Mainbearing caps (HY/ID):	7 kgm/ 70 Nm (10kgm/100Nm)
Manifold studs:	2 kgm/ 20 Nm
Brakedrum nut, front	30kgm/300 Nm
Trackrod bol nut, upper + lower	7 kgm/70 Nm

VOLUMES

Engine oil:	4,5 liter
Oil type winter:	SAE 20 / 20w50
Oil type summer:	SAE 30 / 20w50
Gearbox transmission:	2 liter
Oil type:	Hypoid SAE 90, GL4
Coolingsystem:11BL/11BN	7,5 / 8 liter
Fuel tank:11BL/11BN	45 / 50 liter

MEASURMENTS, EXTERIOR

Wheelbase BL / BN	2,91 mtr / 3,09 mtr
Total length BL / BN	4,45 mtr / 4,65 mtr
Total width BL / BN	1,67 mtr / 1,80 mtr



TIGHTEN SEQUENCE CYLINDERHEAD 11ev



waterpomp