Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU HELP

Engine and cooling system

80, 1.8 & CAT 1986 to 1991

Type		RU (55kW) SOHC
Capacity (cm³) / number of cylinders		1781 / 4
Compression ratio / pressure	bar	9.0 / ≥7.0
Oil pressure	bar	[2.0]
Oil temperature	ºC	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	85
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

80, 1.8 & CAT 1986 to 1991

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	3500±200
CO @ idle speed [3000 rpm] - see page VI	%	1.0-0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Keihin II
Type / ref		EF
Main jet / needle		100, 140
Injection pressure	bar	_
Pump pressure	bar	0.35 to 0.40
Octane rating	RON	91[E 91 RON][1]

Ignition system

80, 1.8 & CAT 1986 to 1991

Type		TSZ
Ignition coil		Bosch
Primary resistance	ohms	0.52 to 0.76
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	º (%)	N/A
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	º Crankshaft @ rpm	18±1 BTDC @ 900±50
V = Vacuum NV = No Vacuum		V
Total ignition advance	º Crankshaft @ rpm	16 to 20 BTDC @ 900±50
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 @ 1050 to 1300
	º Crankshaft @ rpm	6 to 11 @ 2000
	º Crankshaft @ rpm	22 to 26 @ 5000
Vacuum range check	mbar	60 to 320
Maximum vacuum advance	º Crankshaft	13 to 15
Spark plugs		NGK
Type		BUR5ET-10
Electrode gap	mm	0.90 to 1.10

Electrical system

80, 1.8 & CAT 1986 to 1991

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / _ / 2000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

80, 1.8 & CAT 1986 to 1991

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.5
Tyres		
Saloon	Size	175/70x14: 195/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+10'±10']
Camber		-45'±30'
Castor		+1°15'±30'. Sport: +1°25'±30'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+20'±20']
Camber		-1°±20'

Torque wrench settings

80, 1.8 & CAT 1986 to 1991

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	265 LkC[2]
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities

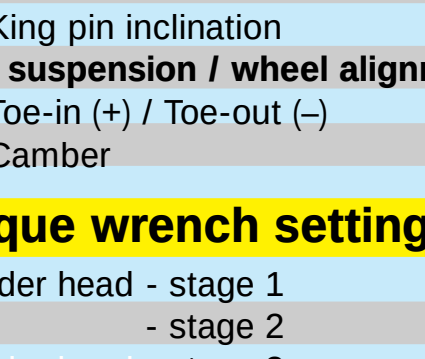
80, 1.8 & CAT 1986 to 1991

Engine oil & filter	litres	3.0
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 0.75
Cooling system	litres	7.0
Fuel tank	litres	68

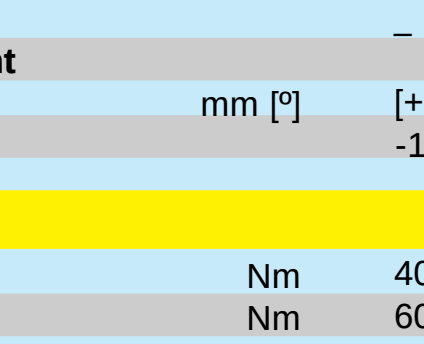
Notes and Illustrations

[1]**CAT: [U]**
[2]**PAS M14: 120 + 90°. PAS M16: 200 + 90°**

1: Idle speed 2: CO / Mixture



1781 cm³, 8V



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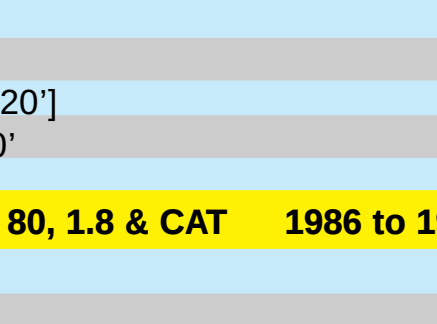

Keihin II EF