

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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 systemL-Series, Coupé 1.8i1988 to 1990

Type		EA82 OHC
Capacity (cm ³) / number of cylinders		1781 / 4
Compression ratio / pressure	bar	9.7 / 12.2
Oil pressure	bar	0.98 [2.9]
Oil temperature	°C	75 to 85
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-3-2-4
No 1 cylinder position		FR
Thermostat opening temperature	°C	83.5 to 86.5
Radiator cap pressure	bar	0.88±0.10

Fuel systemL-Series, Coupé 1.8i1988 to 1990

Idle speed - manual [auto]	rpm	950±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Subaru
Type / ref		MPFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	1.8 to 2.1
Octane rating	RON	91[E 91 RON]

Ignition systemL-Series, Coupé 1.8i1988 to 1990

Type		Electronic
Ignition coil		Hitachi
Primary resistance	ohms	0.84 to 1.02
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Hitachi
Points gap (air gap)	mm	[0.30 to 0.50]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	21 BTDC @ 950
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	1.00 to 1.10

Electrical systemL-Series, Coupé 1.8i1988 to 1990

Battery	V / CC / RC	12 / 306 / 78 or 420 / 111
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / _ / 2500
Starter motor current / voltage - cranking	A / V	230 / 8.0
- locked	A / V	300 / 2.5

Running gearL-Series, Coupé 1.8i1988 to 1990

Brakes -		
Front (min. friction material thickness)	mm	—
Rear (min. friction material thickness)	mm	—

Tyres		
Saloon	Size	175/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+2.0±3.0
Camber		+45'±45'
Castor		+2°30'±45'
King pin inclination		+14°

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		0±45'

Torque wrench settingsL-Series, Coupé 1.8i1988 to 1990

Cylinder head - stage 1	Nm	29
- stage 2	Nm	59
- stage 3	Nm	64
- stage 4	Nm	—
Big-end bearings	Nm	41
Main bearings	Nm	39 to 47
Clutch cover	Nm	14 to 17
Flywheel [driveplate]	Nm	69 to 75
Front hubs	Nm	196
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	78 to 98
Spark plugs	Nm	20 to 29

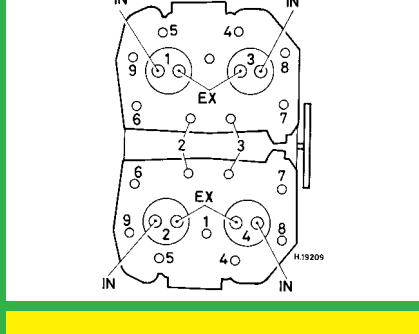
CapacitiesL-Series, Coupé 1.8i1988 to 1990

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.3
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	60

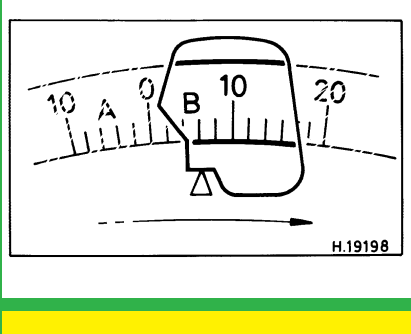
Notes and Illustrations



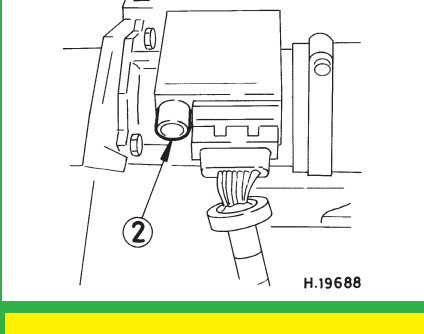
1: Idle speed 2: CO / Mixture



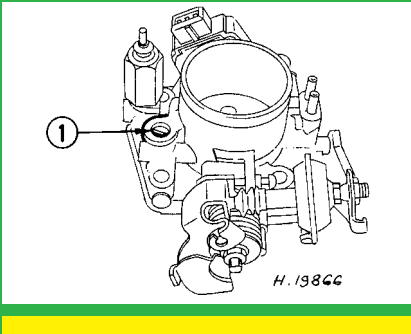
1781 cm³



1781 cm³



MPFi



MPFi