

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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## Engine and cooling system Legend 2.7 & Coupé 1988 to 1991

Type	C27A2 SOHC	
Capacity (cm <sup>3</sup> ) / number of cylinders	2675 / 6	
Compression ratio / pressure	bar	9.4 / ≥9.8
Oil pressure	bar	[4.9 to 5.7]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-4-2-5-3-6	
No 1 cylinder position	PER	
Thermostat opening temperature	°C	76 to 80
Radiator cap pressure	bar	0.88 to 1.20

## Fuel system Legend 2.7 & Coupé 1988 to 1991

Idle speed - manual [auto]	rpm	720±50 [680±50 in D]
Fast idle speed - manual [auto]	rpm	1100 to 1900
CO @ idle speed [3000 rpm] - see page VI	%	≤2.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	Honda	
Type / ref	PGM-Fi	
Main jet / needle	-	
Injection pressure	bar	2.4 to 2.6
Pump pressure	bar	2.5
Octane rating	RON	97[RA]

## Ignition system Legend 2.7 & Coupé 1988 to 1991

Type	Computerized	
Ignition coil	-	
Primary resistance	ohms	0.32 to 0.39. 90 ▶: 0.35to0.4
Ballast resistor	ohms	-
Voltage - Tmnl 15(+) to earth	V	-
Distributor	-	
Points gap (air gap)	mm	[equal gaps]
Dwell angle	° (%)	-
Condenser capacity	µF	-
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	15±2 BTDC @ idle
V = Vacuum NV = No Vacuum	V	
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	-
Spark plugs	NGK/Champion	
Type	BCPR6E-11 / RC9YC	
Electrode gap	mm	1.00 to 1.10

## Electrical system Legend 2.7 & Coupé 1988 to 1991

Battery	V / CC / RC	12 / 60, 65, 70Ah
Alternator voltage / full load current / engine rpm	13.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

## Running gear Legend 2.7 & Coupé 1988 to 1991

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.6. 1989 ▶: 3.0
<b>Tyres</b>		
Saloon	Size	205/60x15
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	-
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0±3.0 <sup>1</sup>
Camber		0±1 <sup>2</sup>
Castor		+1°40'±1 <sup>3</sup>
King pin inclination		-
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±2.0 <sup>4</sup>
Camber		0±1 <sup>5</sup>

## Torque wrench settings Legend 2.7 & Coupé 1988 to 1991

Cylinder head - stage 1	Nm	40
- stage 2	Nm	78
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	45
Main bearings	Nm	WSM <sup>6</sup>
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105 [75]
Front hubs	Nm	250
Rear hubs	Nm	250
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

## Capacities Legend 2.7 & Coupé 1988 to 1991

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	3.2
Final drive	litres	WT
Cooling system	litres	8.8 [AT: 8.7]
Fuel tank	litres	68

## Notes and Illustrations

<sup>1</sup>Saloon 1989 ▶: 0±2.0

<sup>2</sup>Saloon 89 ▶: 0±30'

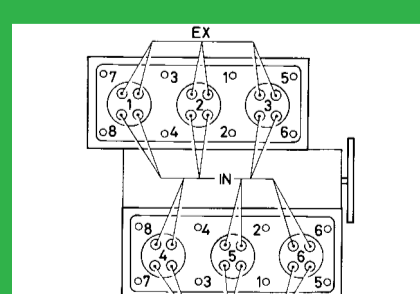
<sup>3</sup>Saloon 89 ▶: +1°40'±30'

<sup>4</sup>Coupé: 0±2.0. Saloon & Coupé 89 ▶: 0 to +4.0, both sides

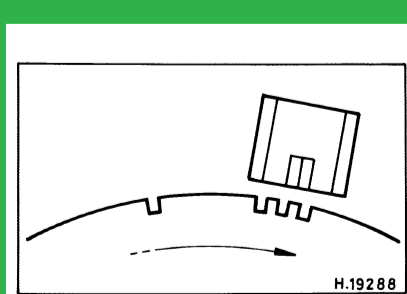
<sup>5</sup>Saloon 89 ▶: 0±30'

<sup>6</sup>89 ▶: M9: 40. M11: 57

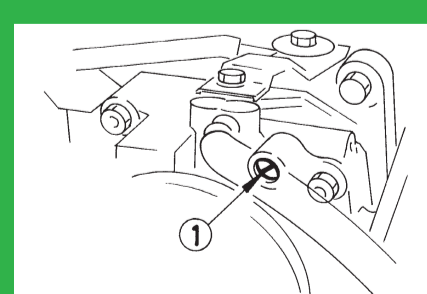
1: Idle speed 2: CO / Mixture



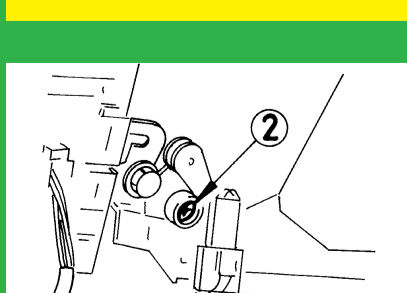
2675 cm<sup>3</sup>



2675 cm<sup>3</sup>



PGM-Fi, 2675 cm<sup>3</sup>



PGM-Fi, 2675 cm<sup>3</sup>