

Engine & Cooling

Fuel

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Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling systemLegend 3.21992 to 1997

Type	C32A2 SOHC 24V 152kW	
Capacity (cm³) / number of cylinders	3206 / 6	
Compression ratio / pressure	bar	9.6 / ≥9.8
Oil pressure	bar	0.7 [3.5]
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	78±2
Radiator cap pressure	bar	0.93 to 1.23

Fuel systemLegend 3.21992 to 1997

Idle speed - manual [auto]	rpm	650±50 [600±50]
Fast idle speed - manual [auto]	rpm	1500±200
CO @ idle speed [3000 rpm] - see page VI	%	≤0.1 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Honda	
Type / ref	PGM-Fi MPI	
Main jet / needle	—	
Injection pressure	bar	2.7 to 3.2
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemLegend 3.21992 to 1997

Type	Direct electronic	
Ignition coil	—	
Primary resistance	ohms	0.9 to 1.1
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	15±2 BTDC @ 650 [600]
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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	
Type	PFR6G-11	
Electrode gap	mm	1.00 to 1.10

Electrical systemLegend 3.21992 to 1997

Battery	V / CC / RC	12 / 72Ah
Alternator voltage / full load current / engine rpm	13.5 / 110 / 2000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearLegend 3.21992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.6
Rear (min. friction material thickness)	mm	1.6

Tyres		
Saloon	Size	205/65x15: 215/55x16
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.3 / 2.3. 215/55: 2.3 / 2.1
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-1.0±2.0
Camber	0±1° ¹	
Castor	+3°45'±1° ²	
King pin inclination	+8°	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber	-20'±1° ³	

Torque wrench settingsLegend 3.21992 to 1997

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	M9: 40. M11: 78 ⁴
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105 [75]
Front hubs	Nm	335
Rear hubs	Nm	285
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

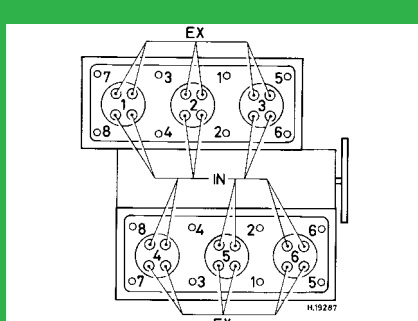
CapacitiesLegend 3.21992 to 1997

Engine oil & filter	litres	4.7
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	3.3
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	68

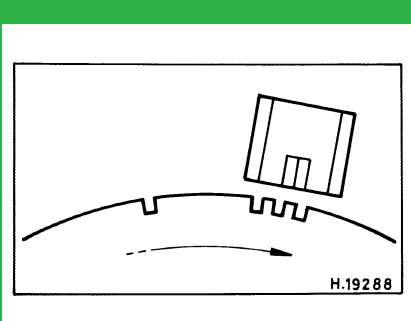
Notes and Illustrations

- ¹Dual pot caliper: +15'±1°
²Dual pot caliper: +3°30'±1°
³Dual pot caliper: -5'±1°
⁴Side bolts: 50

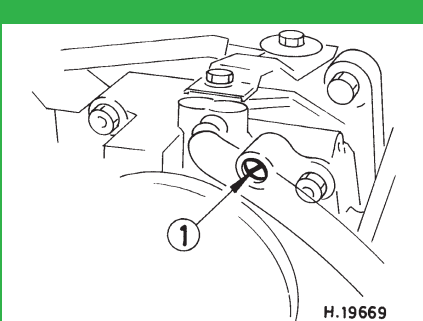
1: Idle speed 2: CO / Mixture



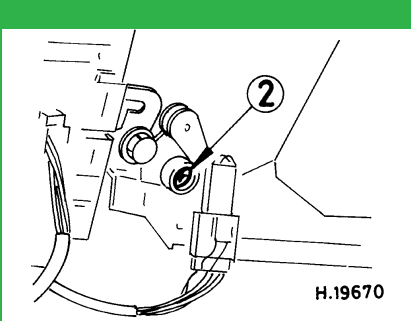
3206 cm³



3206 cm³



PGM-Fi, 3206 cm³



PGM-Fi, 3206 cm³