

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 systemLegend1986 to 1988

Type		C25A2
Capacity (cm³) / number of cylinders		2493 / 6
Compression ratio / pressure	bar	9.6 / ≥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	78±2
Radiator cap pressure	bar	0.88 to 1.20

Fuel systemLegend1986 to 1988

Idle speed - manual [auto]	rpm	770±50
Fast idle speed - manual [auto]	rpm	1100 to 1900
CO @ idle speed [3000 rpm] - see page VI	%	1.0±1.0
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		Honda
Type / ref		PGM-Fi
Main jet / needle		—
Injection pressure	bar	2.3 to 2.7
Pump pressure	bar	2.5
Octane rating	RON	97[R]

Ignition systemLegend1986 to 1988

Type		Computerized
Ignition coil		—
Primary resistance	ohms	0.3 to 0.4
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	13±2 [11±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 systemLegend1986 to 1988

Battery	V / CC / RC	12 / 63Ah
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearLegend1986 to 1988

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.6
Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		0±1°
Castor		+1°40'±1°
King pin inclination		—
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber		0±1°

Torque wrench settingsLegend1986 to 1988

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	68 oiled¹
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105 [75]
Front hubs	Nm	250
Rear hubs	Nm	245
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

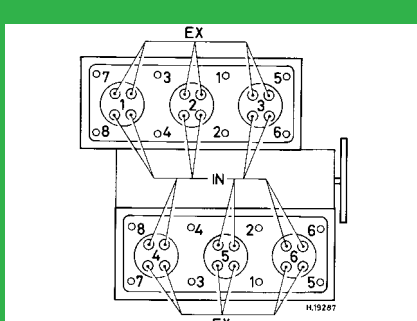
CapacitiesLegend1986 to 1988

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	9.5 [AT: 9.3]
Fuel tank	litres	68

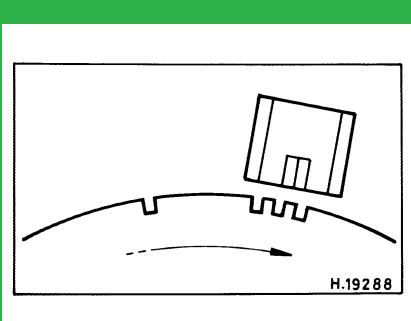
Notes and Illustrations

¹WSM

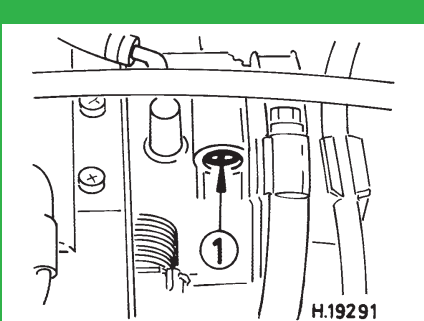
1: Idle speed2: CO / Mixture



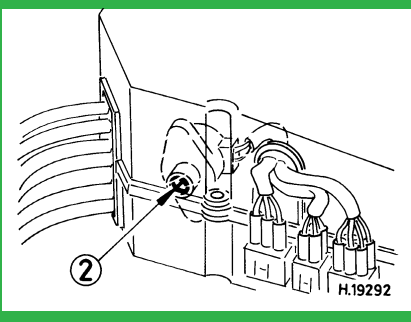
2493 cm³



2493 cm³



PGM-Fi, 2493 cm³



PGM-Fi, 2493 cm³