

Engine & Cooling

Fuel

Ignition

Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling systemAccord & Aerodeck EFI1985 to 1989

Type		A20 A4 SOHC
Capacity (cm³) / number of cylinders		1955 / 4
Compression ratio / pressure	bar	9.4 / ≥10.3
Oil pressure	bar	[3.7 to 4.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.12 to 0.17
Valve clearance - exhaust	mm	0.25 to 0.30
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82±2
Radiator cap pressure	bar	0.76 to 1.04

Fuel systemAccord & Aerodeck EFI1985 to 1989

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1000 to 1800
CO @ idle speed [3000 rpm] - see page VI	%	≤0.1
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
Main jet / needle		—
Injection pressure	bar	2.3 to 2.7
Pump pressure	bar	2.3 to 2.7
Octane rating	RON	97[RA]

Ignition systemAccord & Aerodeck EFI1985 to 1989

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.22 to 1.49
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Hitachi/Toyo Denso
Points gap (air gap)	mm	[equal gaps]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	15±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Electronic control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Electronic control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BCPR6EY-11 / RN9YC
Electrode gap	mm	1.00 to 1.10

Electrical systemAccord & Aerodeck EFI1985 to 1989

Battery	V / CC / RC	12 / 410 / 50Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearAccord & Aerodeck EFI1985 to 1989

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0. Discs: 3.0

Tyres		
Saloon	Size	185/70x13:195/60x14:185/65x14
Estate / Van	Size	195/60x14: 195/65x14
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	1.8 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		0±1°
Castor		+31'±1°
King pin inclination		+6°50'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±2.0
Camber		0±1°

Torque wrench settingsAccord & Aerodeck EFI1985 to 1989

Cylinder head - stage 1	Nm	30 oiled
- stage 2	Nm	68
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	32. 1989: 47
Main bearings	Nm	68 oiled. 1989: 72
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105 [75]
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

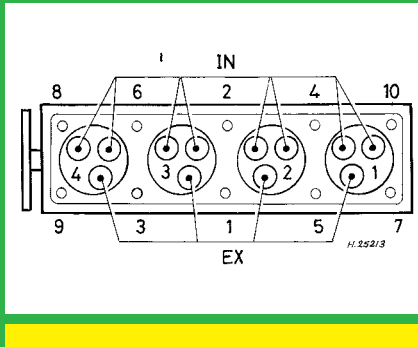
CapacitiesAccord & Aerodeck EFI1985 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	3.0 ¹
Final drive	litres	WT
Cooling system	litres	6.4 [AT: 7.0]
Fuel tank	litres	60

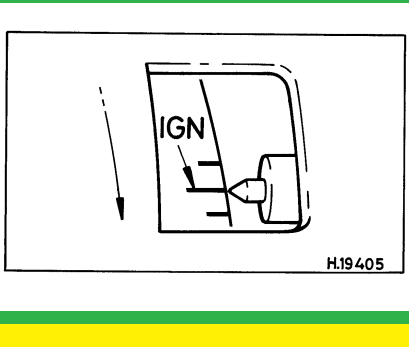
Notes and Illustrations

¹F4 type: 2.4. C9 type: 2.2

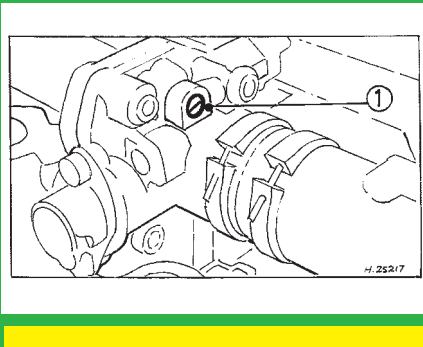
1: Idle speed 2: CO / Mixture



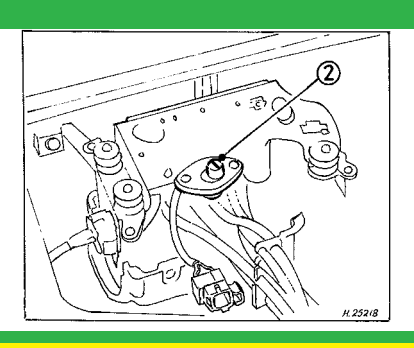
1955 cm³



1955 cm³



PGM-Fi



PGM-Fi