

Engine & Cooling

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Automotive Technical
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Engine and cooling system

Accord & Aerodeck 1985 to 1989

Type		A20 A2 SOHC
Capacity (cm³) / number of cylinders		1955 / 4
Compression ratio / pressure	bar	9.2 / ≥9.8
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 system

Accord & Aerodeck 1985 to 1989

Idle speed - manual [auto]	rpm	750±50 [700±50]
Fast idle speed - manual [auto]	rpm	2000 to 3000
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		Keihin
Type / ref		Twin choke
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	0.17 to 0.23
Octane rating	RON	91[R]

Ignition system

Accord & Aerodeck 1985 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	20±2 BTDC @ idle [AT: 15±2]
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 system

Accord & Aerodeck 1985 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 gear

Accord & Aerodeck 1985 to 1989

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

Tyres		
Saloon	Size	185/70x13: 185/65x14
Estate / Van	Size	185/70x13: 185/65x14
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 settings

Accord & Aerodeck 1985 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

Capacities

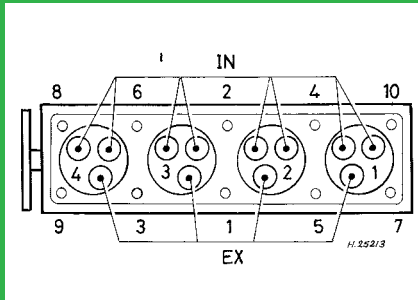
Accord & Aerodeck 1985 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	3.0
Final drive	litres	WT
Cooling system	litres	6.3 [AT: 6.9]
Fuel tank	litres	60

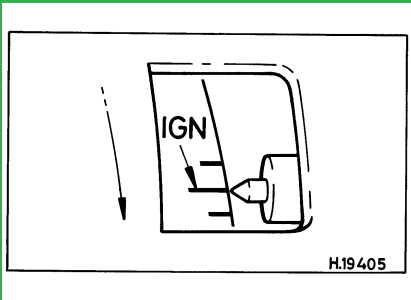
Notes and Illustrations



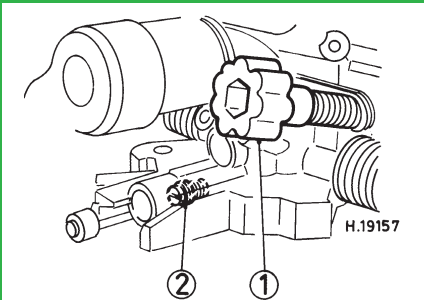
1: Idle speed 2: CO / Mixture



1955 cm³



1995 cm³



Keihin 2V