

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 system Prelude 4WS 2.0i-16 1987 to 1992

Type		B20A7 DOHC 16V
Capacity (cm ³) / number of cylinders		1958 / 4
Compression ratio / pressure	bar	10.5 / ≥9.3
Oil pressure	bar	1.4 [5.2 to 6.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.08 to 0.12
Valve clearance - exhaust	mm	0.16 to 0.20
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.76 to 1.04

Fuel system Prelude 4WS 2.0i-16 1987 to 1992

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	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ 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	98[RA] ¹

Ignition system Prelude 4WS 2.0i-16 1987 to 1992

Type		Computerized
Ignition coil		-
Primary resistance	ohms	1.2 to 1.5
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		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	15±2 BTDC @ idle ¹
V = Vacuum NV = No Vacuum		NV
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 / RC7YC
Electrode gap	mm	1.00 to 1.10

Electrical system Prelude 4WS 2.0i-16 1987 to 1992

Battery	V / CC / RC	12 / 50 or 65Ah
Alternator voltage / full load current / engine rpm		13.5 to 14.5 / 70 / 2500
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Prelude 4WS 2.0i-16 1987 to 1992

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	195/60x14
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	1.9 / 1.8
- Estate / Van	bar	-
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±2.0
Camber		0±1°
Castor		+2°20'±30'
King pin inclination		+9°45'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±2.0
Camber		-20'±30'

Torque wrench settings Prelude 4WS 2.0i-16 1987 to 1992

Cylinder head - stage 1	Nm	30 oiled
- stage 2	Nm	68
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	45
Main bearings	Nm	55 oiled
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

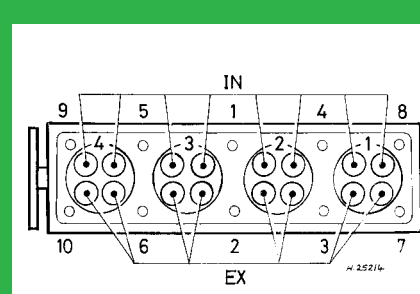
Capacities Prelude 4WS 2.0i-16 1987 to 1992

Engine oil & filter	litres	3.9. 90 ▶: 3.8
Gearbox - 4-speed [5-speed]	litres	1.9. 90 ▶: 2.1
Automatic transmission - refill	litres	2.8
Final drive	litres	WT
Cooling system	litres	7.8
Fuel tank	litres	60

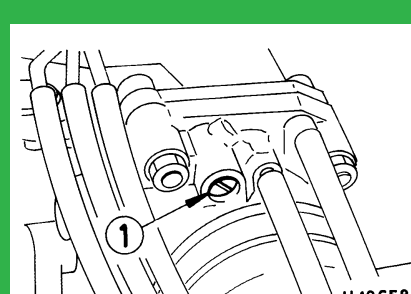
Notes and Illustrations

¹[E 95 RON]: 11±2 BTDC @ idle

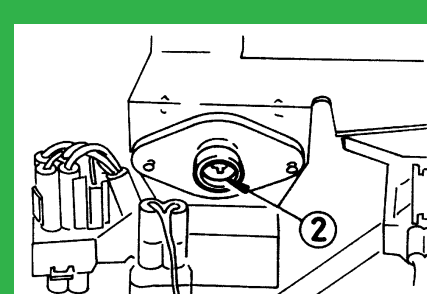
1: Idle speed 2: CO / Mixture



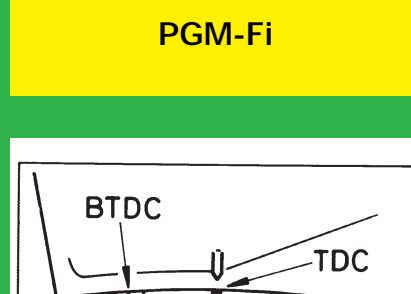
1958 cm³. DOHC



PGM-Fi



PGM-Fi



1958 cm³. DOHC