

Engine & Cooling

Fuel

Ignition

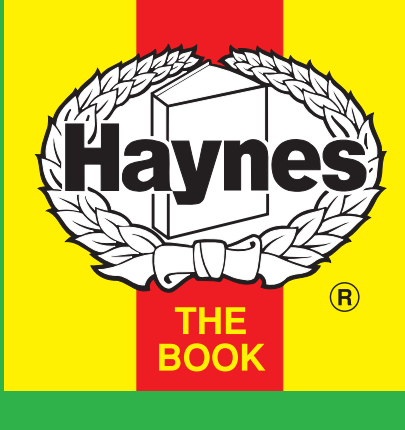
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

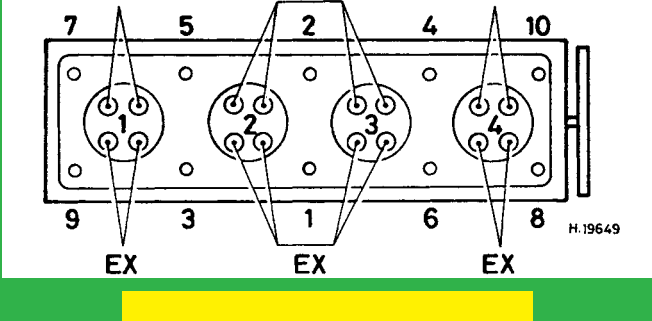
Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system			Charade 1.3 (G200)	1993 to 1997
Type			HC-E SOHC 16V	
Capacity (cm³) / number of cylinders			1295 / 4	
Compression ratio / pressure		bar	9.5/13.5	
Oil pressure		bar	0.19	
Oil temperature		°C	80	
Valve clearance - inlet		mm	0.25 H	
Valve clearance - exhaust		mm	0.33 H	
Firing order			1-3-4-2	
No 1 cylinder position			TBE	
Thermostat opening temperature		°C	76 to 80	
Radiator cap pressure		bar	0.75 to 1.05	
Fuel system			Charade 1.3 (G200)	1993 to 1997
Idle speed - manual [auto]		rpm	800 ± 50	
Fast idle speed - manual [auto]		rpm	N/A	
CO @ idle speed [3000 rpm] - see page VI		%	≤0.5 N/A	
HC @ idle speed [3000 rpm] - see page VI		ppm	≤200	
CO2 @ idle speed [3000 rpm] - see page VI		%	N/A	
O2 @ idle speed [3000 rpm] - see page VI		%	N/A	
Carburettor / fuel injection			_Nippon Denso	
Type / ref			MPi	
Main jet / needle			_	
Injection pressure		bar	2.2 to 2.6	
Pump pressure		bar	2.5	
Octane rating		RON	95[U]	
Ignition system			Charade 1.3 (G200)	1993 to 1997
Type			Electronic	
Ignition coil			Nippon Denso	
Primary resistance		ohms	1.35 to 1.65	
Ballast resistor		ohms	N/A	
Voltage - Tmnl 15(+) to earth		V	12	
Distributor			Nippon Denso	
Points gap (air gap)		mm	[0.2 to 0.4]	
Dwell angle		° (%)	N/A	
Condenser capacity		µF	N/A	
Rotation			Anticlockwise	
Ignition timing - basic [static		° Crankshaft @ rpm	0° ± 2° BTDC	
V = Vacuum NV = No Vacuum			_	
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/Nippon Denso/Champion	
Type			BKR6E-11/K20PR-11/RC9YC4	
Electrode gap		mm	1.0	
Electrical system			Charade 1.3 (G200)	1993 to 1997
Battery		V / CC / RC	12V 36Ah	
Alternator voltage / full load current / engine rpm			14 to 14.8V	
Starter motor current / voltage - cranking		A / V	50/11.5	
- locked		A / V	N/A	
Running gear			Charade 1.3 (G200)	1993 to 1997
Brakes -				
Front (min. friction material thickness)		mm	1.0	
Rear (min. friction material thickness)		mm	1.0	
Tyres				
Saloon		Size	165/70 SR 13	
Estate / Van		Size	_	
Pressure - front / rear - Saloon		bar	1.8/1.8	
- Estate / Van		bar	_	
Front suspension / wheel alignment				
Toe-in (+) / Toe-out (-)		mm [°]	+1.0	
Camber			0°20'	
Castor			1°55'	
King pin inclination			12°	
Rear suspension / wheel alignment				
Toe-in (+) / Toe-out (-)		mm [°]	+ 4.0	
Camber			- 40'	
Torque wrench settings			Charade 1.3 (G200)	1993 to 1997
Cylinder head - stage 1		Nm	20	
- stage 2		Nm	40	
Cylinder head - stage 3		Nm	66	
- stage 4		Nm	_	
Big-end bearings		Nm	34.3 to 44.1	
Main bearings		Nm	44.1 to 53.9	
Clutch cover		Nm	14.7 to 21.6	
Flywheel [driveplate]		Nm	78.5 to 98	
Front hubs		Nm	167 to 226	
Rear hubs		Nm	60 to 89	
Wheel nuts / bolts		Nm	89 to 118	
Spark plugs		Nm	14.7 to 21.6	
Capacities			Charade 1.3 (G200)	1993 to 1997
Engine oil & filter		litres	3.5	
Gearbox - 4-speed [5-speed]		litres	[2.2]	
Automatic transmission - refill		litres	3.2	
Final drive		litres	WT	
Cooling system		litres	4.7	
Fuel tank		litres	50	

Notes and Illustrations



1295 cm³