

Concerto 1.6 SOHC 16V

1989 to 1991

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
	193- 1994	A	utomot echnica	ive			
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	THE BOOK		30	OK		return to this make anoth click anywh	ner choice, here on the
						data so	creen. HELP
Engine ar	nd coo	lina sys	tem	Co	ncerto 1.6 SO		989 to 1991
Type Capacity (cm <sup>2</sup>					D16Z1 SOH0 1590 / 4		/0/10 1//1
Compression Oil pressure Oil temperatu	·	essure		bar bar °C	9.6 / ≥9.3 1.4 [5.1] 80		
Valve clearand	ce - inlet	ust		mm mm	0.17 to 0.22 0.22 to 0.27		
Firing order No 1 cylinder Thermostat o	•	mperature		°C	1-3-4-2 TBE 76 to 80		
Radiator cap	pressure			bar Co	0.74 to 1.03 ncerto 1.6 SO	HC 16V 1	989 to 1991
Idle speed - r Fast idle spee	nanual [au ed - manu	al [auto]		rpm rpm	750±50 [700: 1600 to 2000		
CO @ idle spe HC @ idle spe CO2 @ idle sp	eed [3000	rpm] - see	page VI	% ppm %	≤1.0 ≤300		
O2 @ idle spe Carburettor /	ed [3000 fuel inject	rpm] - see		%	– – Keihin		
Type / ref Main jet / Injection	' needle			bar	2x CV type -		
Pump pressur Octane rating	re			bar RON	0.07 to 0.23 91[E 91 RON	]	
<b>lgnition s</b> Type	ystem			Со	ncerto 1.6 SO Electronic	HC 16V 1	989 to 1991
Ignition coil Primary r Ballast re	esistance sistor			ohms ohms	_ 0.6 to 0.7		
Voltage - Distributor	Tmnl 15(-	+) to earth		V	Hitachi		
Dwell ang	ip (air gap <mark>gle</mark> er capacit			mm ° (%) μF	[Equal gaps] _		
Rotation Ignition timing	g - basic [:	static	° Crankshaf	·	Clockwise 16±2 BTDC	@ idle	
V = Vacu Total ignition		= No Vacuu	IM ° Crankshaf ° Crankshaf	•	NV 22±2 BTDC (	@ idle	
Centrifug	al check.		<ul> <li><sup>o</sup> Crankshaf</li> <li><sup>o</sup> Crankshaf</li> <li><sup>o</sup> Crankshaf</li> </ul>	t @ rpm	Computer co	ntrol	
Vacuum r	range che	ck	<ul> <li>° Crankshaf</li> <li>° Crankshaf</li> </ul>	•	– – Computer co	ontrol	
Spark plugs	um vacuu	m advance	° Cra	ankshaft	– NGK/Champ BCPR6E-11		
Type Electrode	0.	~		mm	1.00 to 1.10		000 to 1001
Electrical Battery Alternator vol			V / ( nt / engine rpn	CC / RC	ncerto 1.6 SO 12 / 300 / 47 13.5 to 16.0	Ah	969 10 1991
Starter motor	•	voltage - ci	<b>e</b> .	A / V A / V	230 to 350 / -		
Running Brakes -				Со	ncerto 1.6 SO	HC 16V 1	989 to 1991
		material thi material thio		mm mm	1.6 2.0. Discs: 1.	6	
Saloon Estate / V			-	Size Size	175/65x14 _ WSM		
Front susper		ear - Saloor - Estate neel alignm	/ Van	bar bar	- -		
Toe-in (+) Camber Castor	/ Toe-out	: ()		mm [º]	-0.7±1.4 -20'±30' +3°±1°		
King pin i Rear suspen		eel alignm	ent		+7°35′		
Camber	/ Toe-out			mm [º]	+2.3±1.4 -26′±30′		
Torque w Cylinder head			,	Nm Nm	ncerto 1.6 SO 30 oiled 68	HC 16V 1	989 to 1991
Cylinder head	- stage 3 - stage 4	3		Nm Nm	_		
Big-end beari Main bearings Clutch cover	-			Nm Nm Nm	32 63 oiled 26		
Flywheel [driv Front hubs	eplate]			Nm Nm	120 185		
Rear hubs Wheel nuts / Spark plugs	bolts			Nm Nm Nm	185 110 18		
Capacitie Engine oil & fi				Co litres	<mark>ncerto 1.6 SC</mark> 3.5	HC 16V 1	989 to 1991
Gearbox - 4-s Automatic tra	speed [5-s			litres litres	1.8 2.4		
Final drive Cooling syste Fuel tank	m			litres litres litres	WT 5.5 [AT: 5.4] 55		
				11105			

## **Notes and Illustrations**



1: Idle speed 2: CO / Mixture

