VAUXHALL/OPEL Carlton/Omega/Senator 3.0i

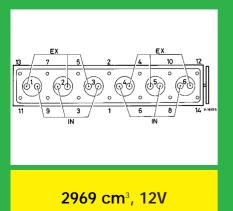
1987 to 1991

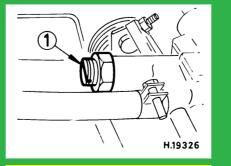
Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
				512.			21010
		A T	utomot echnica	ive al			
Ha	yne				1	Click on a	no of the
		R			,	Click on c buttons abo data for th	ove to view his car. To
	THE BOOK		30	OK		return to this make anoth click anywh	ner choice,
						data se	creen.
Engine	nd coo	ling cyc	tom			MENU	HELP
Engine al Type Capacity (cm				Carlton	/Omega/Sena 30NE CIH. 1: 2969 / 6		987 to 1991
Compression Oil pressure	ratio / pre			bar bar	9.4 / _		
Oil temperatu Valve clearan	ce - inlet	uet		°C mm mm	– 0: Hyd.		
Firing order No 1 cylinder		usi			0: Hyd. 1-5-3-6-2-4 TCE		
Thermostat o Radiator cap		mperature		°C bar	92 1.2 to 1.3		
Fuel syst		uto]		Carlton rpm	<mark>/Omega/Sena</mark> 775 to 825 [6		987 to 1991
Fast idle spee	eed [3000	rpm] - see		rpm %	_ ≤0.5		
HC @ idle sp CO2 @ idle sp O2 @ idle sp	peed [300	0 rpm] - se	e page VI	ppm % %	≤1200 -		
Carburettor / Type / ret	fuel inject f	•			– Bosch LE2-Jetronic		
Main jet / Injection Pump pressu	pressure			bar bar	– 2.8 to 3.2		
Octane rating	J			RON	98[RA] ¹		007 1 4004
Ignition s Type Ignition coil	ystem			Carlton	Omega/Sena/ Computerize Bosch 1 227	d²	987 to 1991
•	esistance esistor			ohms ohms	0.70 to 0.75	020 007	
Distributor		+) to earth		V	Bosch		
Dwell and	ap (air gap gle er capacit			mm ° (%) µF	_ 18 to 20 [16	to 18]	
Rotation Ignition timing	g - basic [static	° Crankshaf		_ 10±2 BTDC (@ idle	
V = Vacu Total ignition		= No Vacuu	m ° Crankshaf ° Crankshaf	•	NV 		
Centrifug	al check.		 ° Crankshaf ° Crankshaf 	t @ rpm t @ rpm	Computer co	ontrol	
Vacuum	range che	ck	 ° Crankshaf ° Crankshaf 		– – Computer co	ontrol	
Maxim Spark plugs	-	m advance	° Cra	inkshaft	_ AC/Champio	n	
Type Electrode	e gap			mm	CR42CFS / F 0.70 to 0.80	RL82YC	
Electrica Battery	-			CC / RC	/ <mark>Omega/Sena</mark> 12 / 44, 55 o	r 66Ah	987 to 1991
Alternator vol Starter motor	•	voltage - cr	it / engine rpm anking cked	n A / V A / V	13.8 to 14.8 50 / 11.5 (no 310 to 400 /	load)	
Running	gear				<mark>/Omega/Sena</mark>	ator 3.0i 1	987 to 1991
		material thi material thic		mm mm	7.0 with back 7.0 with back		
Tyres Saloon				Size	195/65x15: 2	U U	
Estate / \ Pressure		ear - Saloor - Estate		Size bar bar	195/65x15 2.5 / 2.5 ³ 2.3 / 2.5		
	n <mark>sion / wł</mark>) / Toe-out	-	ent	mm [º]	[0 to +20'] L	,	
Camber Castor King pin	inclination	1			-2°15′ to -45 +4°45′ to 6°4		
Rear suspen Toe-in (+)		eel alignm	ent	mm [º]	+1.0 to 4.0		
Camber Torque w	rench :	<mark>settings</mark>	;	Carlton	/Omega/Sena		987 to 1991
Cylinder head	- stage 2	2		Nm Nm	60 + 90°		
Cylinder head Big-end bear	- stage 4			Nm Nm Nm	Warm up + 30° 45		
Main bearing: Clutch cover	S			Nm Nm	110 22 60		
Flywheel [driv Front hubs Rear hubs	veplate]			Nm Nm Nm	60 320 WSM		
Wheel nuts / Spark plugs	bolts			Nm Nm	90 40		
Capacitie Engine oil & f				Carlton litres	<mark>/Omega/Sen</mark> a 5.5	ator 3.0i 1	987 to 1991
Gearbox - 4-s Automatic tra	speed [5-s	•		litres litres	1.9 5.5. AR25: 2.	.6	
Final drive Cooling syste Fuel tank	em			litres litres litres	1.1 10.2 [AT: 10.7 4D: 75. 5D: 7		
Notes ar				nu es		0	

Notes and Illustrations

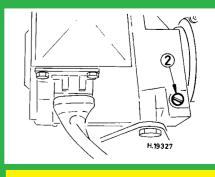
¹Retard ignition by 3°. 9.89 ►: [E 95 RON] ²EAI electronic advance ignition MSTS-h ³Senator: 2.2 / 2.2 ⁴Senator: +4°30' to 6°30'

1: Idle speed 2: CO / Mixture





LE2-Jetronic



LE2-Jetronic