

VAUXHALL/OPEL

Corsa-A 1.6 SPI CAT

1988 to 1991

Engine & Cooling

Fuel

Ignition

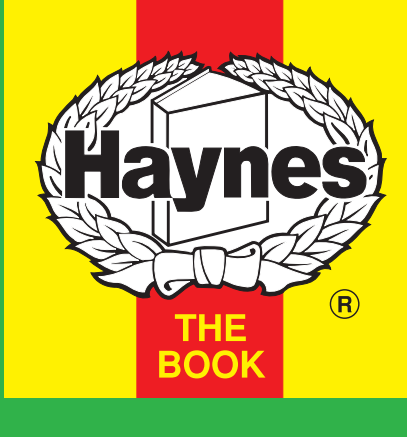
Electrical

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		Corsa-A 1.6 SPI CAT	1988 to 1991
Type		C16NZ SOHC. 55kW. US83	
Capacity (cm ³) / number of cylinders		1598 / 4	
Compression ratio / pressure	bar	9.2 / _	
Oil pressure	bar	1.5	
Oil temperature	°C	80	
Valve clearance - inlet	mm	0: Hyd.	
Valve clearance - exhaust	mm	0: Hyd.	
Firing order		1-3-4-2	
No 1 cylinder position		TBE	
Thermostat opening temperature	°C	92 to 107	
Radiator cap pressure	bar	1.2 to 1.4	

Fuel system		Corsa-A 1.6 SPI CAT	1988 to 1991
Idle speed - manual [auto]	rpm	800 to 950 N/A	
Fast idle speed - manual [auto]	rpm	_	
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5 WSM	
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		GM	
Type / ref		Multec-ZE CFI	
Main jet / needle		_	
Injection pressure	bar	0.76	
Pump pressure	bar	_	
Octane rating	RON	95[U]	

Ignition system		Corsa-A 1.6 SPI CAT	1988 to 1991
Type		Multec	
Ignition coil		Delco 3 474 232	
Primary resistance	ohms	0.43	
Ballast resistor	ohms	_	
Voltage - Tmnl 15(+) to earth	V	_	
Distributor		AC Delco	
Points gap (air gap)	mm	_	
Dwell angle	° (%)	Electronic control	
Condenser capacity	µF	_	
Rotation		Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle N/A	
V = Vacuum NV = No Vacuum		_	
Total ignition advance	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Centrifugal check.	° Crankshaft @ rpm	Micro Spark Timing System	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Vacuum range check	mbar	MSTS	
Maximum vacuum advance	° Crankshaft	_	
Spark plugs		AC/Champion	
Type		CR42CXLS / RN7YC	
Electrode gap	mm	0.70 to 0.80	

Electrical system		Corsa-A 1.6 SPI CAT	1988 to 1991
Battery	V / CC / RC	12 / 175 / 60	
Alternator voltage / full load current / engine rpm		13.7 to 14.75 / 55 or 65/ 3500	
Starter motor current / voltage - cranking	A / V	30 to 45 / 7.8	
- locked	A / V	400 to 500 / 7.0 to 8.2	

Running gear		Corsa-A 1.6 SPI CAT	1988 to 1991
Brakes -			
Front (min. friction material thickness)	mm	7.0 with backing	
Rear (min. friction material thickness)	mm	0.5 above rivets	

Tyres		165/65x14: 175/65x14
Saloon	Size	
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.6 ¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[-15' to +5']
Camber		-45' to +45' L
Castor		+45' to 2°45' L
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber		-40' to -1°35'

Torque wrench settings		Corsa-A 1.6 SPI CAT	1988 to 1991
Cylinder head - stage 1	Nm	25 N	
- stage 2	Nm	+ 90°	
Cylinder head - stage 3	Nm	+ 90°	
- stage 4	Nm	+ 90°	
Big-end bearings	Nm	28 ³	
Main bearings	Nm	50 +45° +15° N	
Clutch cover	Nm	15	
Flywheel [driveplate]	Nm	35 +30° +15° N	
Front hubs	Nm	WSM	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	110	
Spark plugs	Nm	25	

Capacities		Corsa-A 1.6 SPI CAT	1988 to 1991
Engine oil & filter	litres	3.5	
Gearbox - 4-speed [5-speed]	litres	1.8	
Automatic transmission - refill	litres	_	
Final drive	litres	WT	
Cooling system	litres	6.1	
Fuel tank	litres	42	

Notes and Illustrations

¹165/65x14: 1.7 / 1.7

³40mm bolt: 25 +30° N

