

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system Domino 846 cm³ 1986 to 1989

Type	ED-10 SOHC	
Capacity (cm ³) / number of cylinders	846 / 3	
Compression ratio / pressure	bar	9.5 / 14.7
Oil pressure	bar	[3.7 to 4.4]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.25 H
Valve clearance - exhaust	mm	0.30 H
Firing order	1-2-3	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	87±2
Radiator cap pressure	bar	0.75 to 1.05

Fuel system Domino 846 cm³ 1986 to 1989

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤4.5
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	Mikuni	
Type / ref	1V downdraught	
Main jet / needle	130	
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	91[E]

Ignition system Domino 846 cm³ 1986 to 1989

Type	Contact breaker - CIS	
Ignition coil	—	
Primary resistance	ohms	1.2±0.12
Ballast resistor	ohms	1.7±0.17
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	0.45
Dwell angle	° (%)	58 to 66
Condenser capacity	µF	0.225 to 0.275
Rotation	Clockwise	
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	5±2 BTDC @ 900
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1600
	° Crankshaft @ rpm	16 @ 3200
	° Crankshaft @ rpm	23 @ 4400
Vacuum range check	mbar	200 to 373
Maximum vacuum advance	° Crankshaft	9
Spark plugs	NGK/Champion	
Type	BPR6EY / RN9YC	
Electrode gap	mm	0.70 to 0.80 ¹

Electrical system Domino 846 cm³ 1986 to 1989

Battery	V / CC / RC	12 / 30Ah
Alternator voltage / full load current / engine rpm	14.2 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	55 / 12.0 (no load)
- locked	A / V	—

Running gear Domino 846 cm³ 1986 to 1989

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	145/70x12
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±4.0
Camber	+45'±1°	
Castor	+2°50'±1°	
King pin inclination	+12°40'±1°	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	—
Camber	—	

Torque wrench settings Domino 846 cm³ 1986 to 1989

Cylinder head - stage 1	Nm	39 to 49
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	20 to 28
Main bearings	Nm	53 to 65
Clutch cover	Nm	10 to 15
Flywheel [driveplate]	Nm	39 to 49
Front hubs	Nm	127 to 167
Rear hubs	Nm	58 to 78
Wheel nuts / bolts	Nm	49 to 69
Spark plugs	Nm	17 to 23

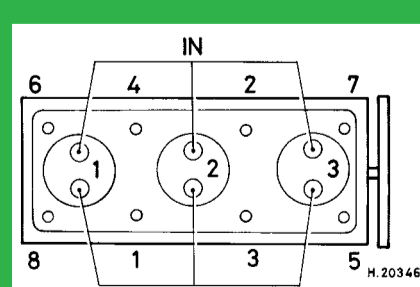
Capacities Domino 846 cm³ 1986 to 1989

Engine oil & filter	litres	2.8
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	2.8
Fuel tank	litres	28

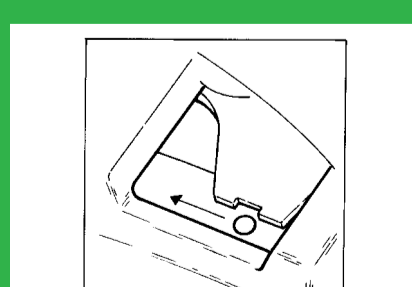
Notes and Illustrations

¹NGK: 0.80 to 0.90

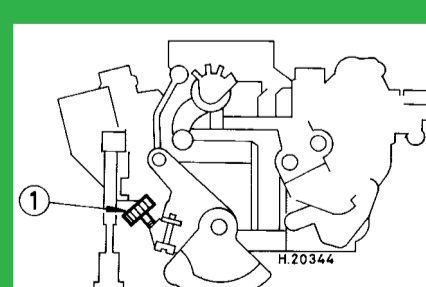
1: Idle speed 2: CO / Mixture



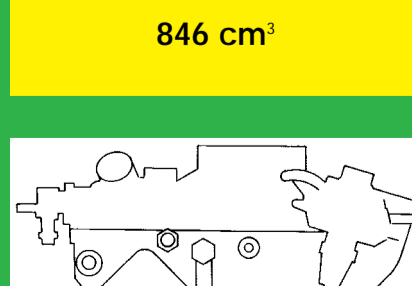
846 cm³



846 cm³



Mikuni 1V



Mikuni 1V