

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling systemDomino 846 cm³1986 to 1989

Type		ED-10 SOHC
Capacity (cm³) / 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 systemDomino 846 cm³1986 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 systemDomino 846 cm³1986 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	° Crankshaft @ rpm	5±2 BTDC @ 900
V = Vacuum NV = No Vacuum		—
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 systemDomino 846 cm³1986 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 gearDomino 846 cm³1986 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 settingsDomino 846 cm³1986 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

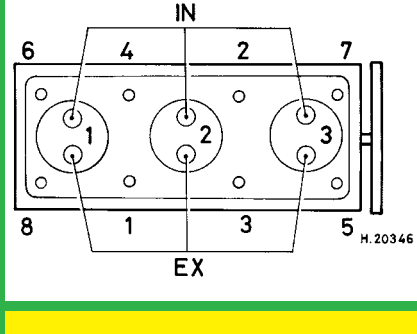
CapacitiesDomino 846 cm³1986 to 1989

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

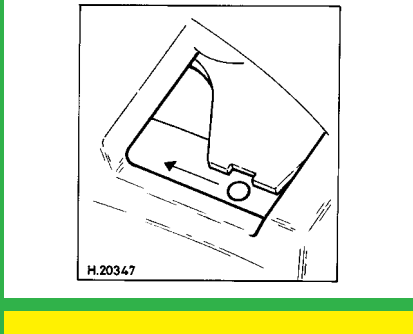
Notes and Illustrations

¹NGK: 0.80 to 0.90

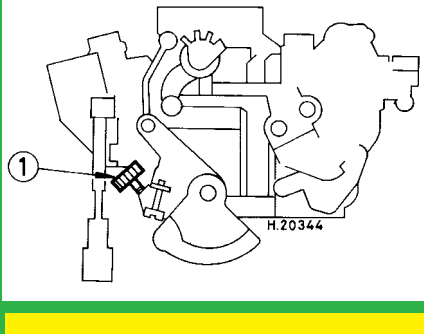
1: Idle speed 2: CO / Mixture



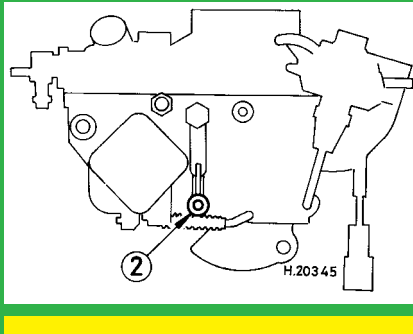
846 cm³



846 cm³



Mikuni 1V



Mikuni 1V