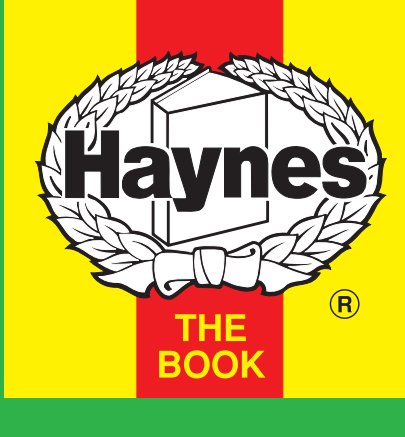


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Galant 20001984 to 1988

Type		4G63
Capacity (cm ³) / number of cylinders		1997 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	0.8
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.9±0.15

Fuel system

Galant 20001984 to 1988

Idle speed - manual [auto]	rpm	800±50 [850±50] not adjustable
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0
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		Aisan
Type / ref		28-32
Main jet / needle		112, 171
Injection pressure	bar	_
Pump pressure	bar	0.32 to 0.42
Octane rating	RON	96[R]

Ignition system

Galant 20001984 to 1988

Type		Electronic
Ignition coil		Diamond
Primary resistance	ohms	1.2
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Mitsubishi
Points gap (air gap)	mm	[0.80]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	13±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1600
	° Crankshaft @ rpm	19 @ 6000
	° Crankshaft @ rpm	_
Vacuum range check	mbar	173 to 533
Maximum vacuum advance	° Crankshaft	23
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Galant 20001984 to 1988

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		14.4 to 15.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

Galant 20001984 to 1988

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

Tyres		
Saloon	Size	185/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.5
Camber		+28'±30'
Castor		+40'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0
Camber		0

Torque wrench settings

Galant 20001984 to 1988

Cylinder head - stage 1	Nm	35
- stage 2	Nm	90 to 100 C
Cylinder head - stage 3	Nm	100 to 110 H
- stage 4	Nm	_
Big-end bearings	Nm	50 to 53
Main bearings	Nm	50 to 55
Clutch cover	Nm	15 to 21
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	WSM
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	69 to 79
Spark plugs	Nm	20 to 29

Capacities

Galant 20001984 to 1988

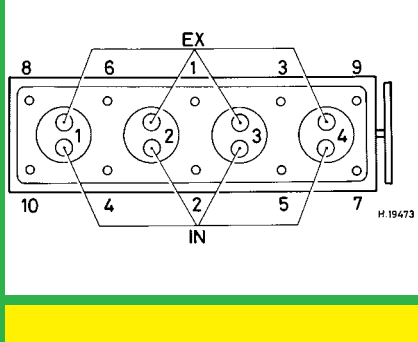
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	[2.3]
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	60

Notes and Illustrations

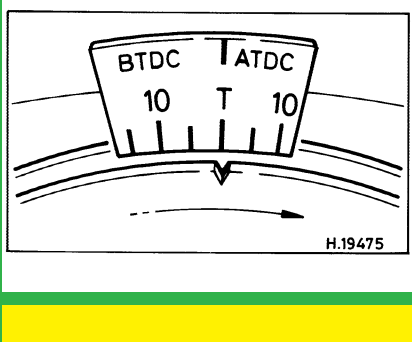


1: Idle speed

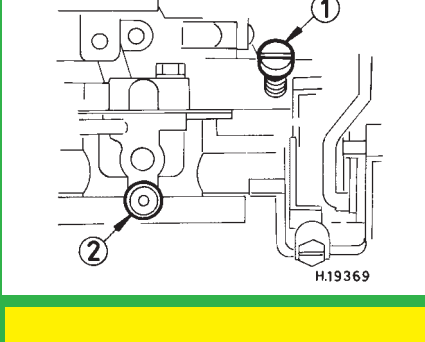
2: CO / Mixture



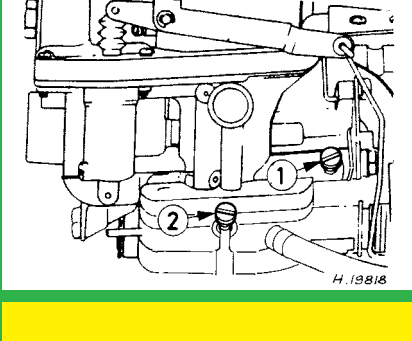
1997 cm³, 8V



1997 cm³



Aisan / Mikuni



Aisan