

MITSUBISHI

Galant 1600

1984 to 1988

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system

Galant 1600

1984 to 1988

Type		4G32
Capacity (cm ³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	9.0 / 10.3
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 1600

1984 to 1988

Idle speed - manual [auto]	rpm	800±50
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		90, 180
Injection pressure	bar	—
Pump pressure	bar	0.26 to 0.36
Octane rating	RON	96[E 95 RON]

Ignition system

Galant 1600

1984 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	5±2 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000
	° Crankshaft @ rpm	23 @ 5000
	° Crankshaft @ rpm	—
Vacuum range check	mbar	107 to 480
Maximum vacuum advance	° Crankshaft	20
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Galant 1600

1984 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 1600

1984 to 1988

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

Tyres		
Saloon	Size	165x13
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 1600

1984 to 1988

Cylinder head - stage 1	Nm	35
- stage 2	Nm	70 to 75 C
Cylinder head - stage 3	Nm	80 to 85 H
- stage 4	Nm	—
Big-end bearings	Nm	32 to 35
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 1600

1984 to 1988

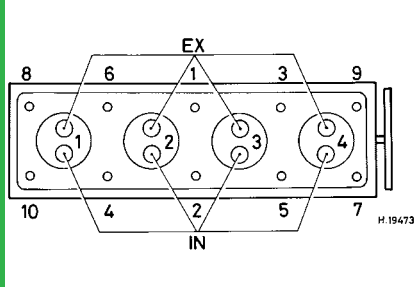
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	60

Notes and Illustrations

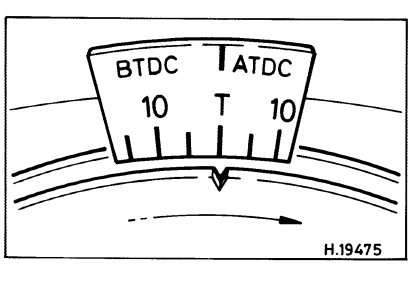


1: Idle speed

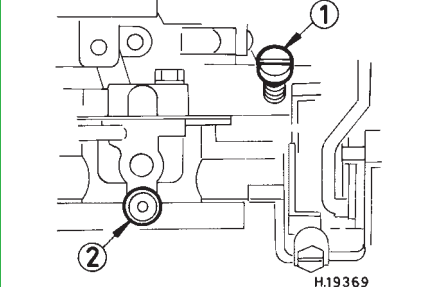
2: CO / Mixture



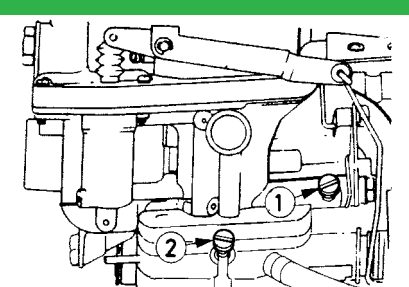
1597 cm³, 8V



1597 cm³



Aisan 28-32



Aisan 28-32, alternative