ALFA ROMEO

GTV

1996 to 1997

Haynes THE BOOK

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.

Engine and cooling system

GTV 1996 to 1997

Type		AR 162.01 DOHC 16V 112kW
Capacity (cm³) / number of cylinders		1970 / 4
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	1.5 [5.0]
Oil temperature	ºC	90
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	ºC	83±2
Radiator cap pressure	bar	0.98±0.1

Fuel system

GTV 1996 to 1997

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.2
HC @ idle speed [3000 rpm] - see page VI	ppm	≤50
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		M2.10.3-Motronic
Main jet / needle		_
Injection pressure	bar	2.8 to 3.2
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system

GTV 1996 to 1997

Type		Direct electronic
Ignition coil		Bosch
Primary resistance	ohms	0.20 to 0.40
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		NGK
Type		PFR6B
Electrode gap	mm	_

Electrical system

GTV 1996 to 1997

Battery	V / CC / RC	12 / 70Ah
Alternator voltage / full load current / engine rpm		14.0 / 100 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

GTV 1996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	195/60x15: 205/50x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.1
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	2.9±0.5
Camber		+57'±20' U/L
Castor		+3°23'±20' U/L
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+1.0±0.5 N/A
Camber		-58'±20' N/A

Torque wrench settings

GTV 1996 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90° + 90°
Big-end bearings	Nm	44 to 53 oiled
Main bearings	Nm	96 to 119
Clutch cover	Nm	20 to 25
Flywheel [driveplate]	Nm	121 to 149
Front hubs	Nm	67 to 74 + 62°
Rear hubs	Nm	226 to 294
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	Large: 25 to 35.Small: 10 to12

Capacities

GTV 1996 to 1997

Engine oil & filter	litres	4.4
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.4
Fuel tank	litres	70

Notes and Illustrations

_