LANCIA

Dedra Turbo Integrale

1991 to 1996

Automotive Technical DATA BOOK

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Engine and cooling system

Dedra Turbo Integrale 1991 to 1996

Type		835 A7.000 DOHC 130kW[1]
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	7.5±0.15 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	ºC	100
Valve clearance - inlet	mm	0.40±0.04
Valve clearance - exhaust	mm	0.48±0.04
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	83±2
Radiator cap pressure	bar	0.98

Fuel system

Dedra Turbo Integrale 1991 to 1996

Idle speed - manual [auto]	rpm	800 to 900. CAT: 850±30
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber-Marelli
Type / ref		IAW MPI 473
Main jet / needle		_
Injection pressure	bar	2.5
Pump pressure	bar	≤4.5
Octane rating	RON	95[E 95 RON][2]

Ignition system

Dedra Turbo Integrale 1991 to 1996

Type		IAW
Ignition coil		Marelli BAE 504DK
Primary resistance	ohms	0.405 to 0.495
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	10±2 BTDC @ 850 to 952[3]
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	37±2 BTDC @ 2900
	º Crankshaft @ rpm	CAT: 38±2 @ ≥4000
	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		Bosch/Champion
Type		WR6DTC / RN7YCC
Electrode gap	mm	0.60 to 0.70

Electrical system

Dedra Turbo Integrale 1991 to 1996

Battery	V / CC / RC	12 / 255 / 55 or 320 / 60Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 70, 90 / 3500
Starter motor current / voltage - cranking	A / V	360 to 380 / 8.15
- locked	A / V	680 to 700 / 4.9

Running gear

Dedra Turbo Integrale 1991 to 1996

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	195/50x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	-1.0±1.0
Camber		-30'±30' N/A
Castor		+3°±30' N/A
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	-1.0 to +3.0
Camber		-1°±30' N/A

Torque wrench settings

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Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	25 + 50°
Main bearings	Nm	20 + 90°. Centre: 20 + 130°
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	142
Front hubs	Nm	280
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	37

Capacities

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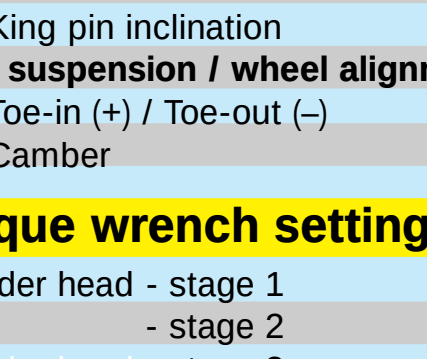
Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	3.8
Automatic transmission - refill	litres	_
Final drive	litres	1.1
Cooling system	litres	6.9
Fuel tank	litres	60

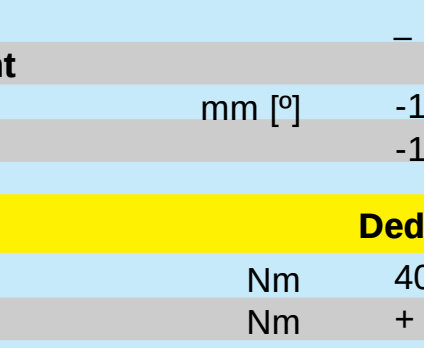
Notes and Illustrations

[1]**CAT: 835 A7.046 124kW US83**
[2]**CAT: 95 [U]**
[3]**CAT: 6±2 BTDC @ 1750**

1: Idle speed 2: CO / Mixture



1995 cm³, 8V



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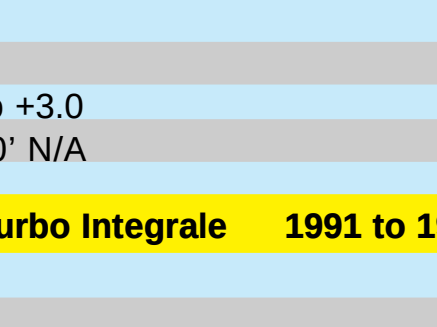

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