

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & 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.

MENU

HELP

Engine and cooling systemLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Type	DOHC 16V 147kW	
Capacity (cm³) / number of cylinders	1994 / 4	
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	1.0 [2.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-3-2-4	
No 1 cylinder position	FR	
Thermostat opening temperature	°C	91
Radiator cap pressure	bar	0.88

Fuel systemLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Idle speed - manual [auto]	rpm	900±100
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	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Subaru	
Type / ref	MPFI	
Main jet / needle	_	
Injection pressure	bar	_
Pump pressure	bar	2.4 to 2.7
Octane rating	RON	91[U]

Ignition systemLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Type	Direct electronic	
Ignition coil	Diamond	
Primary resistance	ohms	0.68 to 0.83
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	_	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	18±10 BTDC @ 900
V = Vacuum NV = No Vacuum	_	
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	NGK/Champion	
Type	BKR6E / RC7YCC	
Electrode gap	mm	0.80

Electrical systemLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Battery	V / CC / RC	12 / 52Ah
Alternator voltage / full load current / engine rpm	14.1 to 14.8 / 70 / 3000	
Starter motor current / voltage - cranking	A / V	370 / 8.0
- locked	A / V	735 / 4.0

Running gearLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.1 / 2.0
- Estate / Van	bar	2.1 / 2.0

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±3.0
Camber	0	
Castor	+3°. Estate: +2°45'	
King pin inclination	+14°5'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±3.0
Camber	-30'. Estate: -20'	

Torque wrench settingsLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Cylinder head - stage 1	Nm	29
- stage 2	Nm	69
- stage 3	Nm	-180°
- stage 4	Nm	-180° ¹
Big-end bearings	Nm	43 to 46
Main bearings	Nm	44 to 50. Side: 23 to 26
Clutch cover	Nm	14 to 17
Flywheel [driveplate]	Nm	69 to 75
Front hubs	Nm	186 to 206
Rear hubs	Nm	167 to 206
Wheel nuts / bolts	Nm	78 to 98
Spark plugs	Nm	18 to 24

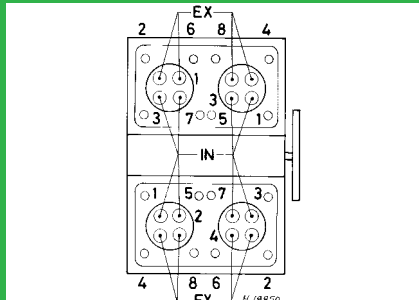
CapacitiesLegacy 2.0 4 Cam Turbo CAT1991 to 1994

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	3.5
Automatic transmission - refill	litres	_
Final drive	litres	Rear: 0.8
Cooling system	litres	7.2
Fuel tank	litres	60

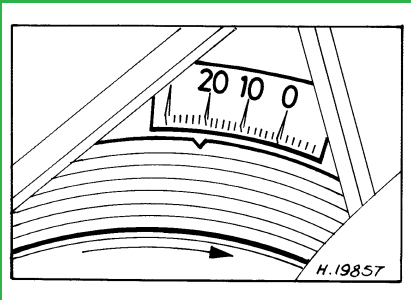
Notes and Illustrations

¹Centre bolts: 34. Others: 15. Then all: +90° +90°

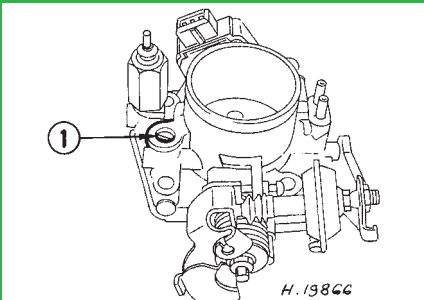
1: Idle speed 2: CO / Mixture



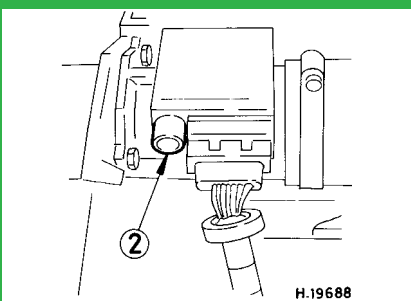
1994 cm³



1994 cm³



MPFi



MPFi