84 Glass

Specifications

Sun roof, measurements:	
- height above roof	1.0 mm
- depth at front	0.5 mm

Interior trim

Specifications

Electrical data for seat heater pad

Seat heater:		
Switches on / off at	<8 - >27 °C <46 - >81 °F	
Switches on / off at Resistance, heater pad in backrest	0.8 - 1.2 Ω	
Resistance, heater pad in seat cushion	2 - 3 Ω	

Tightening torques

Tightening torques

Mechanical component:	Nm
Screws, front fenders	6
Hinge door / bodywork	21
Door stop	10
Window mechanism	8
Inner door lock	6
Window, lift mechanism	4
Boot, hinges on the bodywork	21
Rear door, V40, hinges	24
Tail lamp unit	5
Bumper, bodywork	50
Front seat	40
Rear seats	23
Safety screws, all	48
Lock facing, doors	21
Lock facing, V40, rear door	10
Sun roof, bodywork	10
Side window, window mechanism	5

87 Heater system

Specifications

Resistance, blower fan motor -2000. Does not apply to ECC blower fan motor

Between terminal pin:	Value:
1-3	1.2 Ω
3-2	0.7 Ω
2-4	0.4 Ω

Technical data

Refrigerant:	-1997	1998-	-1998
	All engines	All engines exept B4184SM	B4184SM
Туре	R134a	R134a	R134a
Capacity, weight g	900 ¹	900	750

Install a new label.

Technical data

Refrigerant:	99-00	99-00	2001-
	D4192T	Petrol	All engines
	B4184SM/SJ	engines.	
		Except	
		B4184SM/SJ	
Туре	R134a	R134a	R134a
Capacity, weight g	850	900	850

Compressor data

Pressure controlled functions:		Engine	B4194T
		variants	B4204T ¹
		except	D42041
		B4194T	
		B4204T	
Pressure switch high / low:		On the receiver	On the receiver
Location		drier	drier
		(receiver)	(receiver)
Engage low pressure compressor	Bar	2.00-2.50	1.10 ²
Disengage low pressure compressor	Bar	1.80-2.20	1.10 ²
Disengage high pressure compressor	Bar	27.50-31.50	30
Engage high pressure compressor	Bar	19.50-27.50	18
Auxiliary fan starts at	Bar	17.00-18.50	-
Auxiliary fan stops at	Bar	14.00-15.50	-
Auxiliary fan (fan 1) step 1, starts at	Bar	-	10.00
Auxiliary fan (fan 1) step 1, stops at	Bar	-	8.00
Auxiliary fan (fan 2) step 1, starts at	Bar	-	16.00
Auxiliary fan (fan 2) step 1, stops at	Bar	-	12.00
Auxiliary fan (fan 2) step 2, starts at	Bar	-	20.00
Auxiliary fan (fan 2) step 2, stops at	Bar	-	16.00

All pressure measurements given are within 0.1 bar. Prior to May 1998 2.05 bar applied.

Technical compressor data

TOOTHIJOUT O	ompressor date	•				
Technical da	ata:		Zexel	Sanden SD7V16	MSC90	Sanden SD7H15
Piston diam	eter	mm	36	29.3	-	29.3
Stroke	maxi- mum	mm	24	34.2	-	32.8
	mini- mum	mm	-	2.2	-	-
Volume	Maxi- mum	cc/rev	147	1613	90	154.9
	Mini- mum	cc/rev	-	10.4	-	-
Number of cylinders			6 (fixed)	7 (wobble)	1 (scroll)	7 (fixed)
Engagemen voltage	t, minimum	V	7.5	7.5	7.5	7.5

Compressor oil

TOTAL PROCESSION		
Oil grade	Volvo P/N: 11 61 627	
Volume compressor oil:	······································	
Petrol engines, except B4184SM/SJ	cm ³	180
SD7V16, diesel engine	cm ³	135
SD7H15, diesel engine	cm ³	135
B4184SM9	8 cm ³	120-140
B4184SM/SJ99	- cm ³	150-180

Thermo switch

Component / value:	Zexel	Sanden
	Petrol engine	Diesel engine
	MSC90	
Location:		
On evaporator housing		
Thermostat controlled switch switches	On: 4 °C	On: 2 °C
on / off	Off: 3 °C	Off: 1 °C
air conditioning at		
Thermistor value	3300 Ω	3400 Ω
Temperature sensors at 20°C:		
Outer temperature	4.8 Ω	4.8 Ω
Water temperature	4.8 Ω	4.8 Ω
Evaporator sensor	4.8 Ω	4.8 Ω
Relays	130 Ω	130 Ω
Resistance meass measured over the position "step" engine	400 Ω - 4600 Ω	

Specifications

Compressor connection

Technical data:	ZEXEL Petrol	Sanden Diesel	MSC90
	engine	engine	
Clearance, flange and coupling mm	0.3-0.6	0.3-0.6	0.3-0.5
Power consumption	45 W	49 W	47 W
Engagement minimum voltage	7.5 V	7.5 V	7.5 V

Relief valve	
Data for relief valve:	
Located on the rear of the compressor	
Zexel, petrol engine:	
Release pressure, minimum	3.4 MPa
Release pressure, maximum	4.0 MPa
Sanden, diesel engine:	
Release pressure, minimum	3.6 MPa
Release pressure, maximum	4.3 MPa
MSC90	
Release pressure, minimum	3.5 MPa
Release pressure, maximum	4.1 MPa

Performance testing

r criointance testing					
Operating conditions:	Measurement values:				
Outside temperature	20°C	30°C	40°C		
Air temperature measured at the centre air vent	7-10°C	10-17°C	20-27°C		
Low pressure	0.25-0.4 MPa	0.4-0.5 MPa	0.5-0.6 MPa		
High pressure	1.1-1.5 MPa	1.7-2.3 MPa	2.3-2.6 MPa		

The lowest values are noted when the humidity is low.

The highest values are noted when the humidity is high.

The values in the table measured at sea level, can vary.

Tightening torques

Mechanical component:	ZEXEL	Sanden	MSC90
	Petrol	Diesel	5550
	engine	engine	
	Nm	Nm	Nm
Hose, rear side of compressor	22	45	25
Screws, blower fan motor mounting bracket	10	21	10
Mounting bracket, condenser	10	10	10
Screws, compressor	45	21	25
Screws, compressor	25	21	25
Mounting bracket, compressor, on the engine	25	43	50
Filler plug, compressor oil	-	15	-
Nuts / screw, pulley	12	18	16
Compressor, relief valve	10	10	-
Nuts, receiver drier, mounting bracket	10	10	10
Screw, mounting bracket, receiver drier	10	10	10
Screw, coupling, compressor	10	-	-
Hose and pipe -M6couplings:	10	10	10
-M8	25	25	25
Pressure switches, receiver drier	18	18	18
Screws, bracket for hoses, bodywork	10	10	10
Connections, connecting pipes	13	13	13
Expansion valve, sensor	12	12	12
Small diameter pipe	20	20	20
Large diameter pipe	15	15	15

88 SRS, steering wheel module, passenger side airbag and seat belt tensioners

88 SRS, steering wheel module, passenger side airbag and seat belt tensioners

Specifications

SRS, electrical data:

Electrical data:	
Internal resistance, collision sensor	47 kΩ
Capacitor in connector	0.46-0.48 µF
Special tool resistance	1.8-2.5 Ω

SRS system, tightening torques:

SKS system, tightening torques.				
Tightening torques	Nm			
Screws, airbag, steering wheel	10			
Airbag, dashboard	9			
Seat belt tensioner, B-post	48			
SIPS unit, side impact air bag, seat	3			
SIPS sensor, side impact air bag, seat	5			