

8. Body and equipment

84. Windows

Rear window heating element A 14.2

85. Interior

Seat heating

Switches on/off at °C <8 / >27

Resistance backrest/seat cushion element ohms 0.8-1.2/2-3

87. Air-conditioning

Compressor

	Sanden		Zexel	Zexel	Sanden
Make	Sanden	Sanden	Diesel-Kiki	Zexel	Sanden
Type	SD-510	SD-709	DCW17	DCW17-B	SD7V16
Number of cylinders	5	7	5	5	7
Cubic capacity cm ³	161	154.9	8.4-167	8.4-167	10.4-161.3
Maximum speed n/min	6,000	6,000	7,000	7,000	7,000
Lubricating oil, capacity cm ³	135	135	200±20	200±20	180±20

Clutch

	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.4-0.8
Clearance flange and clutch . mm	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.4-0.8
Output, max. W	45	43	43	44	43

Refrigerant

	PN	1160048-3	1160048-3	1160048-3	1161407-0	1161407-0
type	PN	1160048-3	1160048-3	1160048-3	1161407-0	1161407-0
Oil capacity, by weight g	900	900	900	650	650	
retrofit systems g	750					
Type	R12 (dichlorodifluoromethane)			HCF 134A	HCF 134A	
Trade names	Isotom12, Frigen12, Neon12, Refrigerant12, Genetron12			R134A	R134A	

Safety valve

Blow-off pressure kPa(Bar)	3,100(31)	3,100(31)	3,730(37.3)	3,700(37)	3,700(37)
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Low pressure switch

	accumulator/hose	compressor	compressor	compressor	
Location	accumulator/hose	compressor	compressor	compressor	
Disengaging pressure kPa	165	165	289-329	390	390
Engaging pressure kPa	300-400	300-400	358	440	440

High pressure switches (on line near condenser)

Modifications from chassis no. 288116- (440/460) and 576307- (480)

	SD-510	SD-709	DCW17	DCW17-B	SD7V16
Grey, engages at kPa(bar) (activates 2nd stage of fan)	-	-	>2,100 (21)	>2,100 (21)	>2,100 (21)
Brown, disengages at . . . kPa(bar) (switches off compressor)	-	-	>3,200 (32)	>3,200 (32)	>3,200 (32)

High-pressure switch on hose near compressor

Disengaging pressure . . . kPa(Bar)	2170(21.7)	2170(21.7)	-	-	-
Engaging pressure kPa	1650-1850	1650-1850	-	-	-
. Bar	16.5-18	16.5-18	-	-	-

Thermal switch**D19T '95-**

Location	coolant hose
Switches airco off/on at °C	>110 / <104

Performance test

Ambient air temperature measured immediately ahead of car . . . °C	20	30	40
Temperature of exiting air measured at middle dashboard vent . . . °C	8-10	10-20	12-30

Tightening torques

	Nm
Union nut, condenser inlet	24
Union nut, condenser outlet	17
Mounting bracket, condenser	9
Retaining bolts, compressor	40
Bracket, compressor	40
Filler plug, compressor oil	10
Flanged connection on compressor	40
Nut, pulley attachment:	
- Diesel Kiki/Zexel	12
- Sanden (SD 510, SD 709)	38
- Sanden (SD 7V16)	18
Safety valve	8
Screw (self-tapper)	5
Hoses on accumulator/dryer	41
Clamp on accumulator/dryer (bolt)	5
Clamp on accumulator/dryer (nut)	9
Union nut on evaporator (high pressure)	24
Union nut on evaporator (low pressure)	41
Low pressure switch in line/compressor	10
High pressure switch	10
Pressure switch in line	10
Orifice connection	17
Bolt, pipe support bracket on body	10

88. SRS, steering wheel module and seat belt pretensioners -'93

Internal resistance, crash sensor ohms	200
(measured from the orange connector)	
Resistance of special tool 8695 ohms	1.85-2.25

Tightening torques

	Nm
Crash sensor, bolts	10
Contact reel, bolts	1.5
Contact reel, locking screw	1
Steering wheel module, bolts	8
Steering wheel, central securing nut	60
Nut, auxiliary bracket	4