












Volkswagen Cabriolet

DIY Guide: Cooling Fan Equipment

Component	Temp Rating	Notes	--	--	Part Numbers	Years	Photos
Thermostat	87°C	Normal temp			056-121-113D	1979-1993	
	80°C	Low temp				1979-1993	
<ul style="list-style-type: none"> An 87° thermostat begins opening when the coolant temperature has reached 87°C and is fully open at 102°C. Always test a new thermostat in boiling water to ensure it opens correctly. If wanting to change to a lower-temp thermostat, you must also change the thermo switch to a lower temperature version. The low-temp thermostat is 80°C; the matching thermo switch is 85-80°C. 							
Component	Temp Rating	Notes	Type	Fan Type	Part Numbers	Years	Photos
Cooling fan thermo switch	95-84°C	Normal temp	2-pin	1-speed	191-959-481B	1979-1987	
	85-80°C	Low temp	2-pin	1-speed		1979-1987	
	95-84/102-91°C	Normal temp	3-pin	2-speed	191-959-481C	1988-1993	
	85-80/93-88°C	Low temp	3-pin	2-speed		1988-1993	
<ul style="list-style-type: none"> Most parts stores incorrectly list the thermo switches as being "with A/C" and "without A/C". From 1979 through 1987, Cabriolets use the 95-84° switch; 1988-1993 Cabriolets use the 95-84/102-91° switch; A/C is irrelevant. If you happen to have bought a 3-pin switch, it will work fine in your 2-pin system due to the pin layout as shown on page 3. The higher temperature is when the fan turns on, the lower temperature is when the fan turns off. Example: A 95-84°C fan switch turns the fan on at 95° and turns the fan off at 84°. If wanting to change to a lower-temp thermo switch, you must also change the thermostat to a lower temperature version. The low-temp thermo switch is 85-80°C; the matching thermostat is 80°C. 							
Component	Temp Rating	Notes	Type	Fan Type	Part Numbers	Years	Photos
After-run thermo switch	110°C	K-Jetronic	Blue		191-919-521B	1988-1993	
	100°C	Digifant	Yellow		191-919-521D	1990-1993	

Component	Size	Engines	Type	Fan Type	Part Numbers	Years	Photos
Fan wheel	280mm		4-blade		321-959-465	1979-1987	
	280mm		6-blade		191-959-465 191-959-465A	1988-1993	
Cooling fan	280mm	DX, EJ, EN, EW, EX, HK, HN, KT, RE, EWA	100W	1-speed	191-959-455E 191-959-455F 191-959-455L 191-959-455M 191-959-455AA 191-959-455AB	1979-1987	
	280mm	JH	200W	1-speed	191-959-455B 191-959-455C 191-959-455K 191-959-455N	1984-1987	
	280mm	DX, EW, EX, HK, HN, KT, RE, EWA	100/60W	2-speed	165-959-455L*	1988-1993	
	280mm	JH, 2H (Hot climates: EW, EX, HN, RE, EWA)	200/120W	2-speed	165-959-455T*	1988-1993	
	280mm	Hot climates: JH, 2H, DX, KT, HK	250/150W	2-speed	165-959-455A*	1988-1993	

- Most parts stores incorrectly list cooling fans as being "with A/C" and "without A/C". From 1979 through 1987, Cabriolets use one-speed fans; 1988-1993 Cabriolets use two-speed fans; **A/C is irrelevant.**
- *One-speed fans are either NLA or are difficult to find. Most stores are selling these 2-speed fan replacements, which are 3-pin. If replacing a 2-pin fan with a new 3-pin fan, you will also need to retrofit a 3-pin connector:



Fan connection

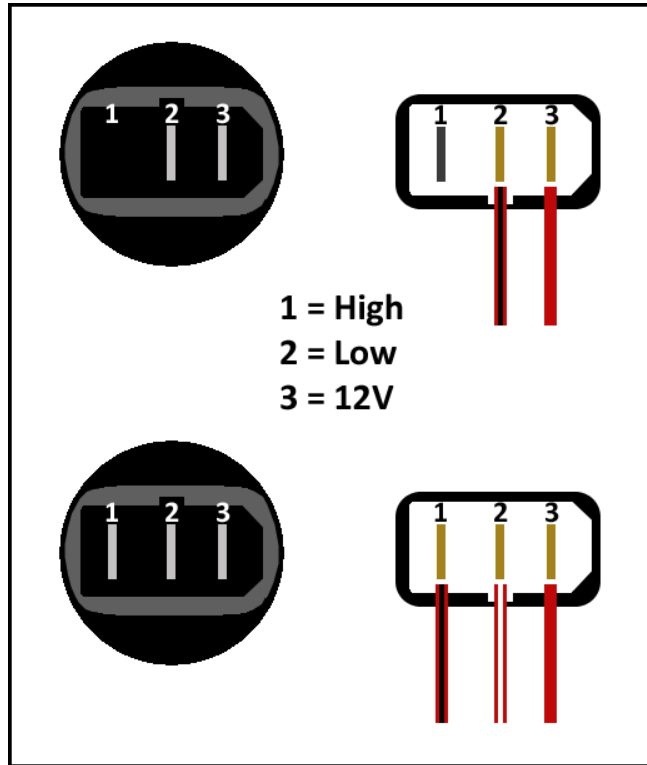


Connector #1H0-906-233



Connector #191-906-232B

Cooling fan thermo switch pin-out for 2-pin and 3-pin switches and their related wiring:



You can use a 3-pin switch with a 2-pin fan, but **not** vice versa.