
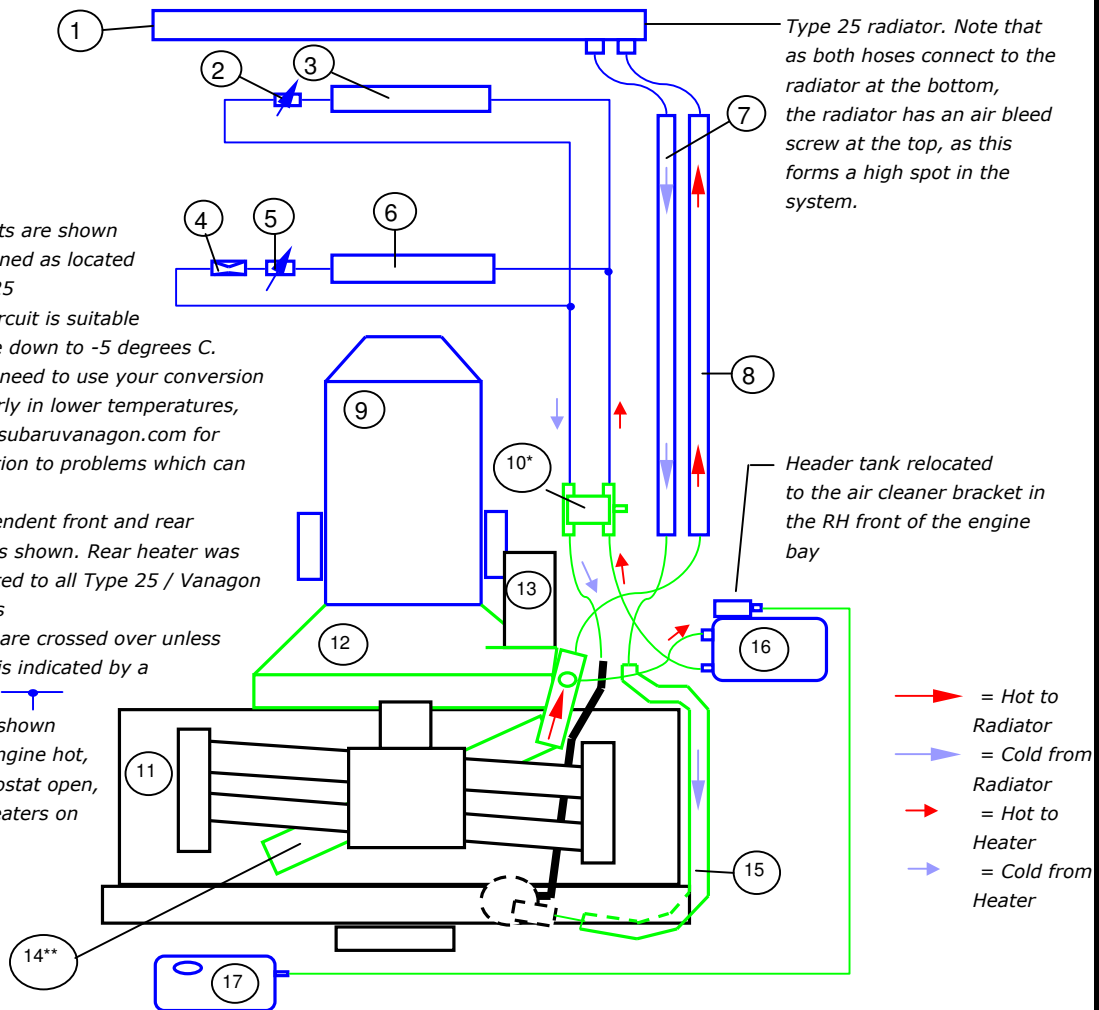


RJES Type 25 / Vanagon Subaru Conversion Cooling Circuit

Although this circuit uses T25 parts, the basic circuit design can be applied to any rear engine, front radiator Subaru conversion. The principles can be adapted for other component layouts too.

Notes:

- All parts are shown positioned as located in a T25
- This circuit is suitable for use down to -5 degrees C. If you need to use your conversion regularly in lower temperatures, check subaruvanagon.com for a solution to problems which can occur
- Independent front and rear heaters shown. Rear heater was not fitted to all Type 25 / Vanagon models
- Hoses are crossed over unless a join is indicated by a dot: 
- Flows shown with engine hot, thermostat open, and heaters on



Item No.:	Part Origin:	Component Description:
1	VW	Radiator
2	VW	Front Heater Control Valve
3	VW	Front Heater Matrix
4	VW	Rear Heater Restrictor
5	VW	Rear Heater Control Valve
6	VW	Rear Heater Matrix
7	VW	Radiator Return Pipe
8	VW	Radiator Feed Pipe
9	VW	Transaxle
10	RJES*	Automatic Heater Bypass Valve
11	Subaru	Engine
12	RJES	Bellhousing
13	Subaru	Starter Motor
14	RJES**	Reversed Water Manifold
15	RJES	Water Return Pipe
16	VW	T25 Header Tank (relocated)
17	VW	Overflow / Filler Pipe

Coolant Circuit Design:

This coolant circuit has been designed to bleed itself of air as automatically as possible. It is very easy to fill, and no air bleed screws apart from the original one on the radiator are needed.

* Very Important:

Automatic heater bypass valve, or bypass pipe. Without one of these, your engine **WILL** overheat then the heater is turned off. This is due to the difference in design of Subaru and VW heaters. VW regulate coolant flow to control heat. Subaru regulate air flow, and **WILL** overheat if flow through the heater matrix is shut off.

** Made on an exchange basis from your standard manifold.

Rev 2, R Jones, RJES, 04/11/05