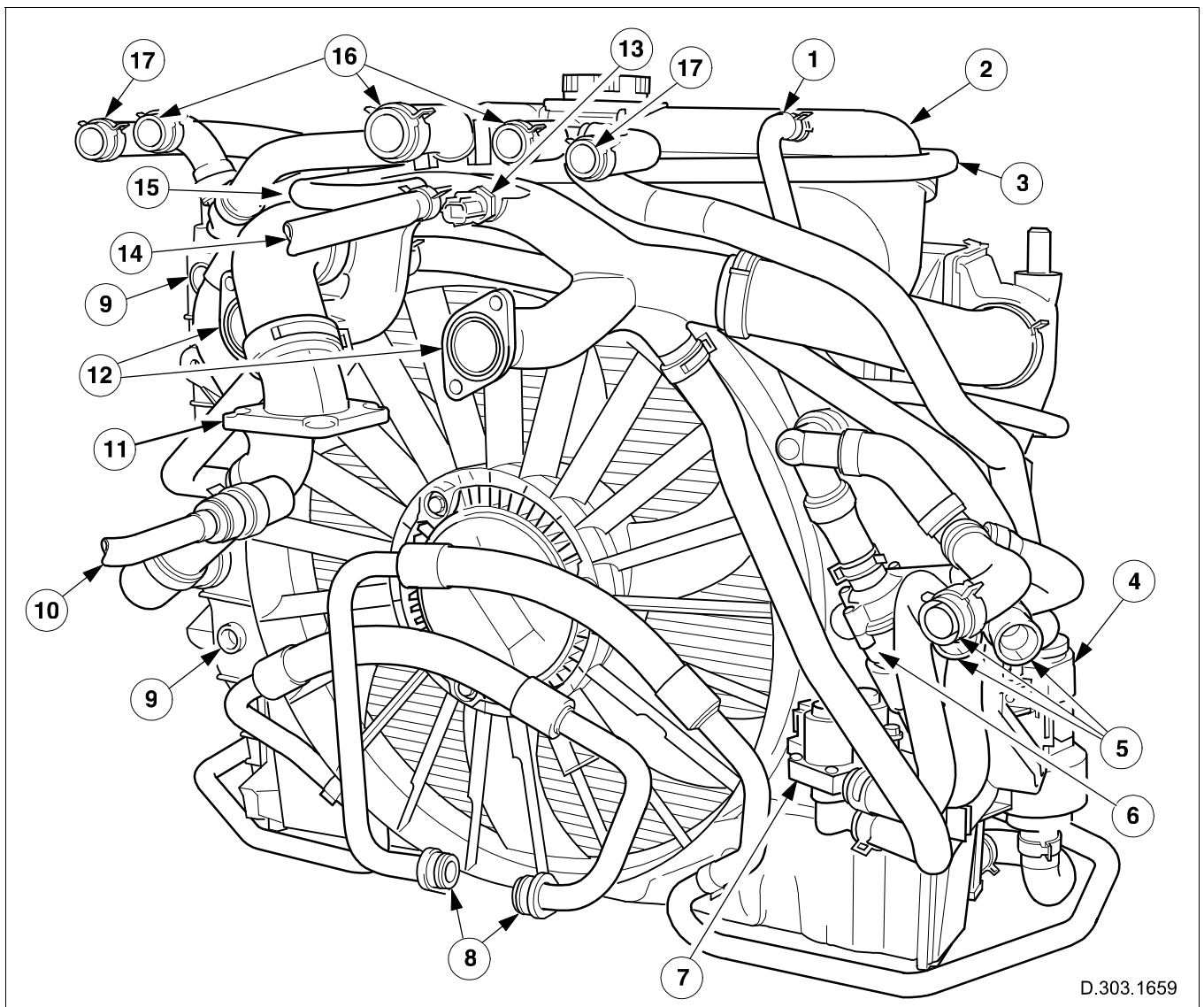


Cooling System (V8 SC)



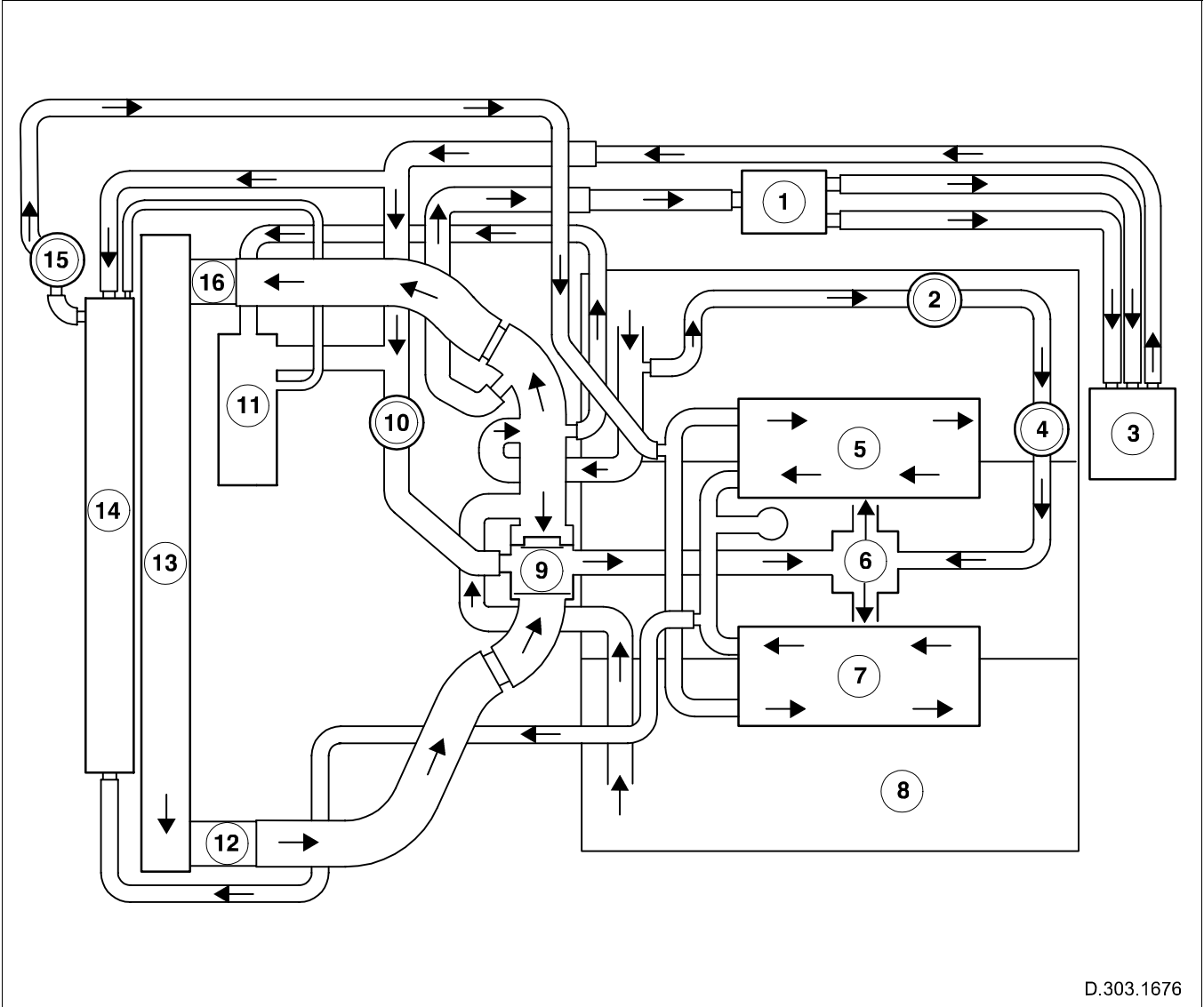
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Fig. 39 Cooling system components and connections (V8 SC)

- | | |
|---------------------------------------|---------------------------------------|
| 1. Vent hose (SC radiator) | 10. Throttle-body return hose |
| 2. Coolant expansion tank | 11. Engine coolant inlet |
| 3. Vent hose (radiator) | 12. Engine coolant outlet |
| 4. Supercharger coolant-pump | 13. Engine coolant temperature sensor |
| 5. Heater hose connections | 14. EGR coolant inlet hose |
| 6. Auxiliary coolant-flow pump | 15. Thermostat housing |
| 7. Dual coolant-flow valve | 16. Charge air cooler feed hoses |
| 8. Engine oil-cooler connections | 17. Charge air cooler return hoses |
| 9. Transmission oil-cooler connection | |

Coolant Flow (V8 SC)

The diagram below shows the coolant flow at normal running temperature (thermostat open).



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Fig. 40 Coolant-flow diagram (V8 SC)

- | | |
|-------------------------------|---------------------------------|
| 1. Dual coolant-flow valve | 9. Thermostat |
| 2. EGR valve | 10. Auxiliary coolant flow pump |
| 3. Heater core | 11. Coolant expansion tank |
| 4. Throttle body | 12. Bottom hose |
| 5. Charge air cooler (bank 1) | 13. Radiator |
| 6. Coolant pump | 14. SC Radiator |
| 7. Charge air cooler (bank 2) | 15. SC coolant pump |
| 8. V8 SC engine | 16. Top hose |