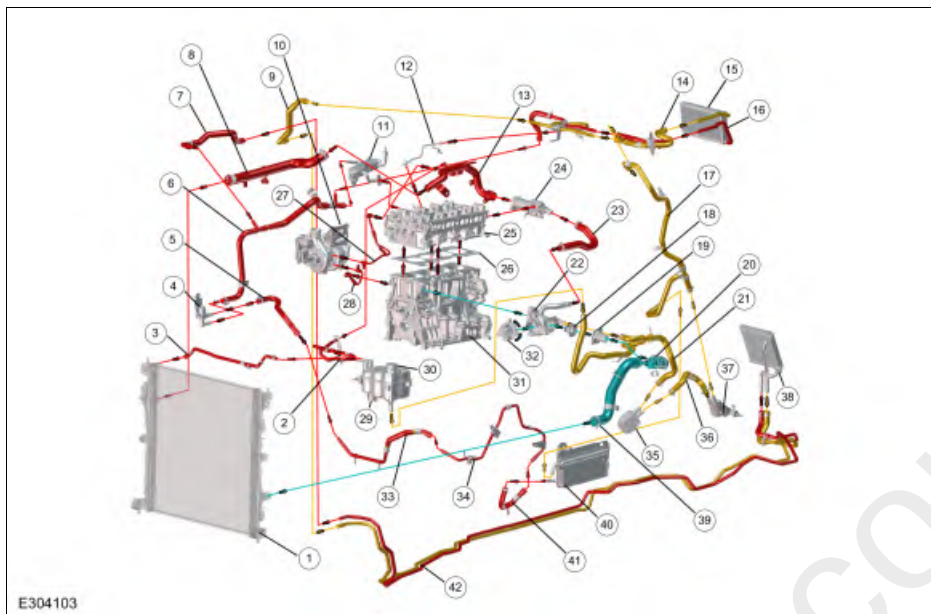


Description and Operation

Engine Cooling - Component Location

NOTE: Coolant temperature will vary with ambient temperature and load. Temperatures shown are for ambient temperature of 38.2°C (100.8°F). Red arrows indicate a temperature over 82.2°C (180.0°F), Orange arrows indicate a temperature of approximately 82.2°C (180.0°F), Blue arrows indicate a temperature below 82.2°C (180.0°F).



Item	Description
1	Radiator
2	Engine-to-degas bottle hose
3	Radiator-to-degas bottle hose
4	Transmission coolant control valve
5	Transmission coolant control valve outlet hose
6	Transmission coolant control valve inlet hose
7	Heater hose
8	Upper radiator hose
9	Heater hose
10	Turbocharger
11	EGR cooler
12	Cylinder head/integrated exhaust manifold coolant outlet tube
13	Coolant inlet connector
14	Heater outlet hose
15	Heater core
16	Heater inlet hose
17	Auxiliary pump inlet hose
18	Thermostat
19	Coolant inlet connector
20	Radiator to thermostat hose
21	Engine oil cooler outlet hose
22	Coolant pump adapter
23	Coolant bypass hose