

303-03 Engine Cooling - 2.3L EcoBoost (201kW/273PS)

2019 Ranger

Specifications

Procedure revision date: 12/11/2018

Specifications

Lubricants, Fluids, Sealants and Adhesives

Name	Specification	Fill Capacity
Motorcraft® Orange Concentrated Antifreeze/Coolant VC-3-B	WSS-M97B44-D	11.6 qt (11.0L)
Motorcraft® Orange Prediluted Antifreeze/Coolant VC-3DIL-B	WSS-M97B44-D2	11.6 qt (11.0L)
Motorcraft® Yellow Concentrated Antifreeze/Coolant VC-13-G	WSS-M97B57-A1	11.6 qt (11.0L)
Motorcraft® Yellow Prediluted Antifreeze/Coolant VC-13DL-G	WSS-M97B57-A2	11.6 qt (11.0L)
Motorcraft® Premium Cooling System Flush VC-1	ESR-M14P7-A	-

Antifreeze/Coolant Concentration

Percent Antifreeze/Coolant to Distilled Water	Freeze Protection
50/50	-34.5°F (-37°C)
60/40 (Extremely Cold Climates)	-58°F (-50°C)

Cooling System Pressure

Complete cooling system maximum pressure	145 kPa (21 psi)
Pressure relief cap	145 kPa (21 psi)
Radiator pressure test (removed from the vehicle)	138 kPa (20 psi)

Thermostat Opening Temperatures

Starts to open	92°C (197.6°F)
Fully open	106°C (222.8°F)

