

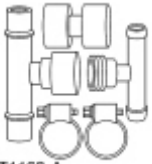



Cooling System Flushing

Special Tool(s)

 <p>ST2421-A</p>	Coolant System Drain/Flush/Fill 164-R3673 or equivalent
 <p>ST1167-A</p>	Drain Kit 164-R3662 or equivalent
 <p>ST1168-A</p>	Flush Kit 164-R3658 or equivalent

Material

Item	Specification
Motorcraft® Premium Gold Engine Coolant with Bittering Agent (bittered in US only) VC-7-B (US); CVC-7-A (Canada); or equivalent (yellow color)	WSS-M97B51-A1
Premium Cooling System Flush VC-1	ESR-M14P7-A

-  **WARNING:** Always allow the engine to cool before opening the cooling system. Do not unscrew the coolant pressure relief cap when the engine is operating or the cooling system is hot. The cooling system is under pressure; steam and hot liquid can come out forcefully when the cap is loosened slightly. Failure to follow these instructions may result in serious personal injury.

Once pressure is released, remove the pressure relief cap/radiator cap.

- Drain the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding](#) in this section.
- Remove the coolant thermostat. For additional information, refer to [Thermostat and Thermostat Housing — Exploded View](#), [Thermostat — 4.0L SOHC](#), [Thermostat — 4.6L \(3V\)](#) or [Thermostat — 5.4L \(4V\)](#) in this section.
- Install the coolant hose connection without the thermostat.
- NOTE:** Refer to the cooling system flusher manufacturer's operating instructions for specific vehicle hook-up.

Using an appropriate cooling system flusher, flush the engine and radiator.

Use Premium Cooling System Flush or equivalent meeting Ford specification ESR-M14P7-A. Always flush the cooling system with water thoroughly after using the VC-1 flush and prior to filling the cooling system with the same coolant that was present in the system. Do not mix coolant types.

6. Install the thermostat. For additional information, refer to [Thermostat and Thermostat Housing — Exploded View](#) and [Thermostat — 4.0L SOHC](#), [Thermostat — 4.6L \(3V\)](#) or [Thermostat — 5.4L \(4V\)](#) in this section.
 7. Backflush the heater core. For additional information, refer to [Heater Core Backflushing](#) in this section.
 8. Fill and bleed the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding](#) in this section.
-