

GENERAL PROCEDURES

Motor Electronics Cooling System Draining and Filling

Special Tool(s)

 <p>ST2818-A</p>	<p>RADKITPLUS 078-00497</p>
---	---------------------------------

Material

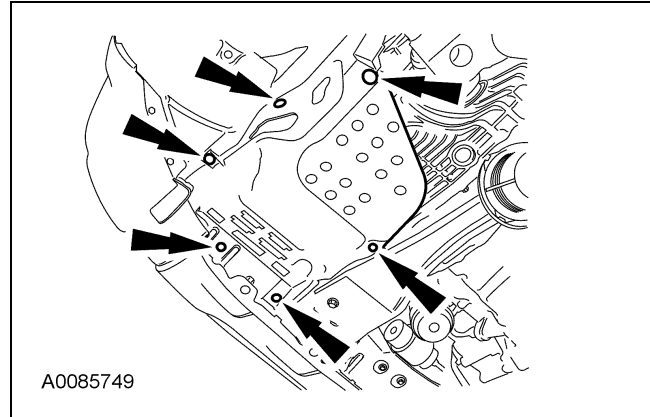
Item	Specification
<p>Motorcraft® Premium Gold Engine Coolant with Bittering Agent (bittered in US only) VC-7-B (US); CVC-7-A (Canada); or equivalent (yellow color)</p>	<p>WSS-M97B51-A1</p>

Draining

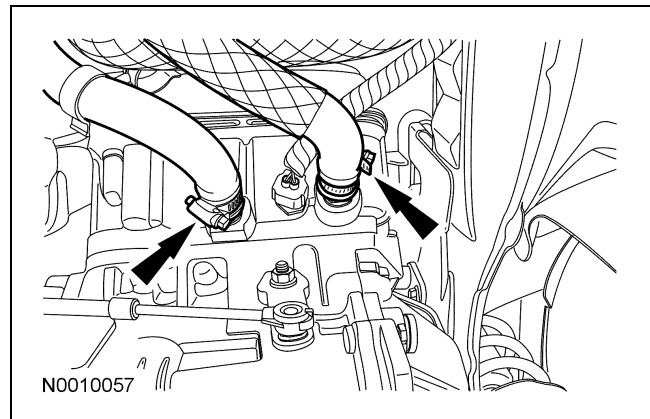
NOTICE: The coolant must be recovered in a suitable, clean container for reuse. If the coolant is contaminated, it must be recycled or disposed of correctly or damage may occur.

NOTICE: Always refill the Motor Electronics Cooling System (MECS) with the same type of coolant that was drained from the system. Do not mix coolant types. Mixing coolant types may cause MECS damage.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to Section 100-02.
2. Turn the ignition to the OFF position.
3. Remove the LH splash shield.



4. Loosen the hose clamps at the transaxle, then pull the hoses off to allow the coolant to drain.



5. Connect the hoses to the transaxle and install the hose clamps.
6. Install the LH splash shield.

Filling and Bleeding with RADKITPLUS

1. Install the RADKITPLUS and follow the manufacturer's instructions to fill and bleed the cooling system.

GENERAL PROCEDURES (Continued)

Filling and Bleeding without RADKITPLUS

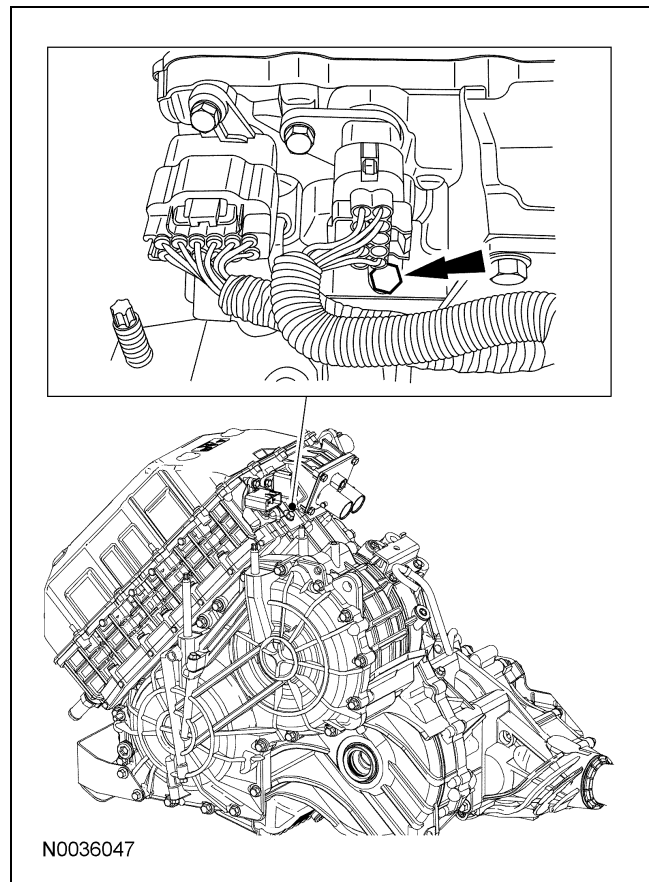
NOTICE: Engine coolant provides freeze protection, boil protection, cooling efficiency and corrosion protection to the engine and cooling components. In order to obtain these protections, the engine coolant must be maintained at the correct concentration and fluid level in the degas bottle. When adding engine coolant, use a 50/50 mixture of engine coolant and distilled water.

To maintain the integrity of the coolant and the cooling system:

- Vehicle cooling systems are filled with Motorcraft® Premium Gold Engine Coolant. Always fill the cooling system with the same coolant that is present in the system. Do not mix coolant types.
- Do not add/mix orange-colored Motorcraft® Specialty Orange Engine Coolant VC-2 or equivalent meeting Ford specification WSS-M97B44-D or green-colored Premium Engine Coolant. Mixing coolants may degrade the coolant's corrosion protection.
- Do not add alcohol, methanol or brine, or any engine coolants mixed with alcohol or methanol antifreeze. These can cause engine damage from overheating or freezing.
- Ford Motor Company does NOT recommend the use of recycled engine coolant in vehicles originally equipped with Motorcraft® Premium Gold Engine Coolant since a Ford-approved recycling process is not yet available.
- Used engine coolant should be disposed of in an appropriate manner. Follow community regulations and standards for recycling and disposing of automotive fluids.

1. **NOTICE:** Adhesives, stop-leak pellets or small foreign material in the Motor Electronics Cooling System (MECS) can cause poor performance or temporary blockage of the motor electronics pump. Only use clean, approved coolant when filling the system.

Loosen the bleed screw and fill the degas bottle with coolant until it begins to flow out of the bleed hole. Then, close the bleed screw.



2. Turn the ignition to the ON position to actuate the Motor Electronics Cooling System (MECS) coolant pump and continue to fill the degas bottle to the correct level.
3. **NOTE:** Most of the MECS air bleeding occurs as a normal process at the degas bottle through the vent tube; very little occurs at the bleed screw.

To bleed air from the system, loosen the bleed screw and allow air to escape while the MECS coolant pump is operating.