

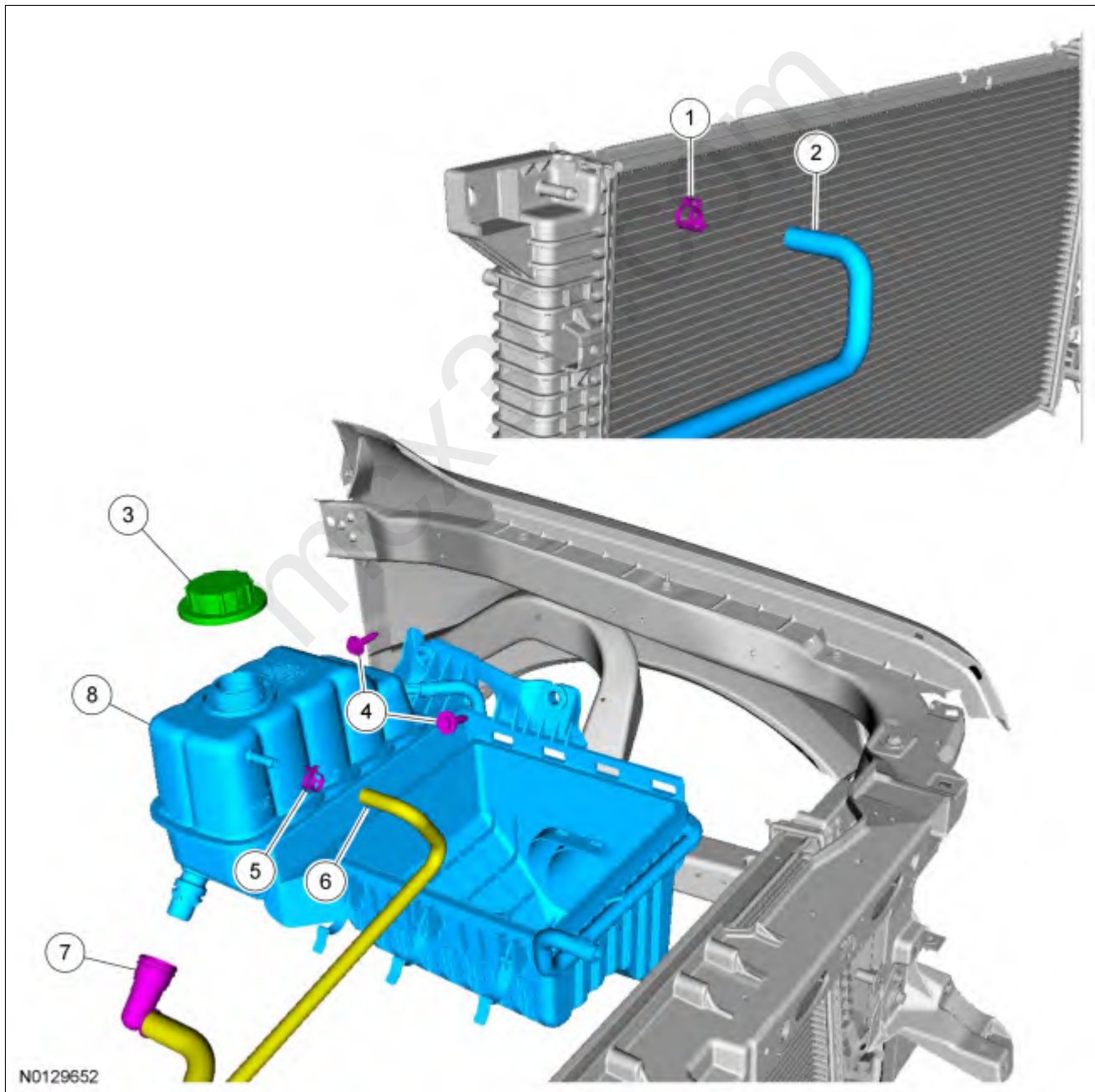
SECTION 303-03: Engine Cooling
REMOVAL AND INSTALLATION

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Degas Bottle — 3.5L GTDI, 3.7L, 5.0L

Material

Item	Specification
Motorcraft® Orange Antifreeze/Coolant Concentrated VC-3-B (US); CVC-3-B2 (Canada)	WSS-M97B44-D



Item	Part Number	Description
1	—	Radiator-to-degas bottle hose clamp (part of 8075)
2	8075	Radiator-to-degas bottle hose
3	8101	Pressure relief cap
4	W707108	Degas bottle/lower air cleaner tray bolts - 17 Nm (150 lb-in) (2 required)
5	—	Thermostat housing-to-degas bottle hose clamp (part of 8276)
6	8276	Thermostat housing-to-degas bottle hose
7	18472	Heater outlet hose (3.5L Gasoline Turbocharged Direct Injection (GTDI) and 3.7L engines)
7	8C350	Degas bottle-to-heater outlet tube hose (5.0L engines)
8	8A080	Degas bottle/lower air cleaner tray assembly

Removal and Installation

1.  **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.

NOTE: During normal vehicle operation, Motorcraft Specialty Orange Engine Coolant may change color from orange to pink or light red. As long as the engine coolant is clear and uncontaminated, this color change does not indicate the engine coolant has degraded nor does it require the engine coolant to be drained, the system to be flushed, or the engine coolant to be replaced.

Release the pressure in the cooling system by slowly turning the pressure relief cap one half turn counterclockwise. When the pressure is released, remove the pressure relief cap.

2. Using hose pinch pliers, clamp the heater outlet hose near the degas bottle.
3. Using a suitable suction device, siphon the coolant from the degas bottle.
4. Release the clamp and disconnect the radiator-to-degas bottle from the radiator.
5. Release the clamp and disconnect the thermostat housing-to-degas bottle hose from the degas bottle.
6. Remove the spring clip and disconnect the heater outlet hose (3.5L GTDI or 3.7L engines) or the degas bottle-to-heater outlet tube hose (5.0L engines) from the degas bottle.
7. Remove the 2 bolts and the degas bottle/lower air cleaner tray assembly.
 - To install, tighten to 17 Nm (150 lb-in).
8. To install, reverse the removal procedure.
9. Fill the degas bottle with a 50/50 mixture of coolant and distilled water.

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