

Make, Model Or Engine	Cooling System Bleeder	
	Type	Location

CHRYSLER (Continued)

Make, Model Or Engine	Type	Location
2.5L 4-cyl	Plug	Thermostat Housing
<ul style="list-style-type: none"> a Remove plug. b Fill system until coolant flows from the plug hole, install plug. 		
1998-2005 2.7L	Valve	Engine Coolant Outlet
<ul style="list-style-type: none"> a Connect .25 in. diameter hose by 4 ft. long to bleeder valve. b Position other end of hose in a container to catch coolant. c Open bleed valve, then fill system until coolant flows from hose, tighten bleeder valve. 		
3.0L Monaco & Premier	Valve	Top Of Thermostat Housing
<ul style="list-style-type: none"> a Connect .25 in. diameter by 4 ft. long hose to bleeder valve. b Position other end of hose in a container to catch coolant. c Open bleed valve, then fill system until coolant flows from hose, tighten bleed valve & disconnect hose. d Start engine & run until upper radiator hose is warm. e Connect hose to bleed valve. f Open bleed valve until coolant flows from hose, then tighten bleed valve & remove hose. 		
3.0L Stealth		
<ul style="list-style-type: none"> a Start engine & operate until thermostat opens. b Increase engine speed to 3000 rpm several times. 		
3.2L & 3.5L	Valve	Lower Intake Manifold To Left Of Center
<ul style="list-style-type: none"> a Connect .25 in. diameter by 4 ft. long hose to bleeder valve. b Position other end of hose in a container to catch coolant. c Open bleed valve, then fill system until coolant flows from hose. d Tighten bleed valve & disconnect hose. 		
2005-10 300, Challenger, Charger & Magnum		
<p>NOTE: It may be necessary to install a bleed fitting on the 5.7L engine.</p> <ul style="list-style-type: none"> a Attach a 1.5 - 2 m (4 - 6 ft.) long 6.35 mm (1/4 inch.) ID clear hose to bleeder fitting. Bleed Valve Location (2.7L): Located on the water outlet connector at the front of engine. Bleed Valve Location (3.5L): Located on the lower intake manifold, left of center and below the upper intake plenum. Plug Location (5.7L/6.1L): Located on the front of the water outlet housing at the front of engine. b Route hose (2) away from the accessory drive belt, drive pulleys and electric cooling fan. Place the other end of hose (2) into a clean container. The hose will prevent coolant from contacting the accessory drive belt when bleeding the system during the refilling operation. c 5.7L/6.1L ENGINE - Install a threaded and barbed fitting (1/4 - 18 npt) into water pump housing. d Attach Tool 8195, Filling Aid Funnel to pressure bottle filler neck. e Using hose pinch-off pliers, pinch overflow hose (3) that connects between the two chambers of the coolant bottle (2). f Open bleed fitting. g Pour the antifreeze mixture. h Slowly fill the cooling system until a steady stream of coolant flows from the hose attached to the bleed valve. i Close the bleed valve and continue filling system to the top of the Tool 8195, Filling Aid Funnel. j Remove pinch-off pliers from overflow hose. k Allow the coolant in Filling Funnel to drain into overflow chamber of the pressure bottle. l Remove Tool 8195, Filling Aid Funnel. Install cap on coolant pressure bottle. m Remove hose from bleed valve. n 5.7L/6.1L ENGINE - Install fitting into thermostat housing. Coat the threads with Mopar® Thread Sealant with Teflon. o Start engine and run at 1500 - 2000 rpm for 30 minutes. p Shut off engine allow it to cool down for 30 minutes. This permits coolant to be drawn into the pressure chamber. q With engine COLD, observe coolant level in pressure chamber. Coolant level should be within MIN and MAX marks. Adjust coolant level as necessary. 		
1996-97 3.3L & 3.8L ex. Concorde, Intrepid, LHS, Vision & 1996 New Yorker	ECT Sensor Or Plug	Front Of Cylinder Head
<ul style="list-style-type: none"> a Remove ECT sensor. b Fill system until coolant flows from bore, install sensor. c Continue filling system until, then fill reserve system. 		
3.3L & 3.8L Concorde, Intrepid, LHS, Vision & 1996 New Yorker	Valve	Thermostat Housing
<ul style="list-style-type: none"> a Connect .25 in. diameter by 4 ft. long hose to bleeder valve. b Place other end of hose in a container to catch coolant. c Open bleed valve, then fill system until coolant flows from hose. d Tighten bleed valve, then disconnect hose. 		
8.0L Viper (1998-2002)	Plug	Thermostat Housing
<ul style="list-style-type: none"> a Open heater control valve. b Remove bleed plug. c Fill system until level is even with plug hole, install plug. 		
8.3L Viper (2003-05)	Valve	Thermostat Housing
<ul style="list-style-type: none"> a Connect .25 in. diameter hose by 4 ft. long to bleeder valve. b Position other end of hose in a container to catch coolant. c Open bleed valve, then fill system until coolant flows from hose. Tighten bleed valve. 		

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FORD MOTOR CO.

C-Max Hybrid

Make, Model Or Engine	Type	Location
Engine		
<ul style="list-style-type: none"> a Fill the cooling system through the coolant bottle to the MAX line. b Turn the key on or, if equipped, press the START button. c Place transmission in park. d Make sure the Climate control system is off. e Enter system fill mode. f Press the brake pedal for 10 seconds, then release. g Press the accelerator pedal to 100% for 10 seconds. h Hold the accelerator pedal to 100% for 1 minute. The coolant pump will operate at 100% and the engine will operate at 2,000 RPM. i Check the coolant level and fill to coolant bottle MAX line. Check if the thermostat is open; the lower radiator hose will be hot. j Hold the accelerator pedal to 100% for 5 minutes. The coolant pump will operate at 100% and the engine will operate at 2,000 RPM. k Check the coolant level and fill to degas bottle MAX line. Check if the thermostat is open; the lower radiator hose will be hot. l Repeat steps J. and K. until the thermostat is open. m Hold the accelerator pedal to 100% for 5 minutes. The coolant pump will operate at 100% and the engine will operate at 2,000 RPM. n Check the coolant level and if necessary fill to degas bottle MAX line. o Repeat steps M. and O. until coolant level no longer drops and for an additional 20 minutes. p Check the coolant level and fill to coolant bottle MAX line. 		
<p>Powertrain Cooling System</p> <ul style="list-style-type: none"> a Place transmission selector in park. b Turn the ignition key to run or, if equipped, press the START button. c Confirm the SOBDMC/TCM coolant pump is running by feeling for vibration at the pump. d Watch for air bubbles entering the coolant expansion tank from the SOBDMC/TCM. e Add coolant to the coolant tank if the level falls below the MIN mark. Bleeding is complete when bubbles stop. f Turn off ignition. Check and fill the coolant expansion tank until the coolant level is between the MIN and MAX marks. g Repeat steps B. through F. if necessary. 		

Five Hundred, Montego

Make, Model Or Engine	Type	Location
<ul style="list-style-type: none"> a Fill the degas bottle with the correct engine coolant mixture to the degas bottle seam line. b Install the pressure relief cap. c Remove the retaining clip and the fill tab on the top of the thermostat housing and fill through the thermostat housing until full. d Install the fill tab and retaining clip. e Select the maximum heater temperature and blower motor speed settings. Position the control to discharge air from the A/C vents in the instrument panel. f Start the engine and allow it to idle until engine reaches normal operating temperature. While the engine is idling, feel for hot air from the A/C vents. g CAUTION: If the air discharge remains cool and the engine coolant temperature gauge does not move or the low coolant light comes on, the engine coolant level is low in the engine and must be filled. Stop the engine, allow it to cool and fill the cooling system. h Run the engine at 3,000 rpm for 10 minutes. Hot air should discharge from the A/C vents. The engine coolant temperature gauge should maintain a stabilized reading in the middle of the normal range, and the upper radiator hose should feel hot to the touch. i Shut the engine off and allow it to cool. j Check the engine for coolant leaks. k Check the engine coolant level in the degas bottle and fill to the seam line. 		

2011-13 Fiesta

Make, Model Or Engine	Type	Location
<ul style="list-style-type: none"> a Fill the radiator through the degas bottle until the coolant level is at the max fill line on the degas bottle. b Install the pressure relief cap. c Start the engine, run and hold at 2,500 rpm for 15 minutes. d Increase the engine speed to 5,000 rpm and then decrease to idle. Repeat six times. e Increase the engine speed to 4,000 rpm for ten seconds, and then return the engine speed to 2,500 rpm and hold for another ten minutes. f Decrease the engine speed to idle, shut the engine off and allow to cool. g Check the engine and cooling system for any leaks. h Check the coolant level in the degas bottle and fill as necessary. 		

2000-04 2.0L Focus

Make, Model Or Engine	Type	Location
	Heater Supply Hose	Engine
<ul style="list-style-type: none"> a Disconnect heater supply hose from engine. b Fill cooling system through heater supply hose until coolant starts to trickle from engine. c Connect heater supply hose & tighten clamp. 		

2008-13 Focus ex. 2.0L Ecoboost, Electric

Make, Model Or Engine	Type	Location
<ul style="list-style-type: none"> a Fill radiator to the top of the filler neck and expansion tank to the MAX mark with recommended coolant. b Install pressure cap. c Start the engine, run and hold at 2,500 rpm for approximately 8 minutes until the thermostat opens, then for another 3 minutes after the thermostat opens. d Increase the engine speed briefly to 4,000 rpm and hold for approximately 5 seconds. e Return the engine speed to 2,500 rpm and hold for another 3 minutes. f Turn off engine and let cool. g Check for leaks. 		

2013 Focus Electric

Make, Model Or Engine	Type	Location
<ul style="list-style-type: none"> a Using a scan tool, navigate to cooling system fill. Follow procedures on screen. b Once the fill procedure is complete, navigate to cooling system purge/degas and follow procedures on screen. 		

2013 Focus ST

Make, Model Or Engine	Type	Location
<ul style="list-style-type: none"> a Install cooling system vacuum bleeder and follow manufacturer's instructions. 		