

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	December 2002 TB 2037
Mfg:	GM
Model:	C-SERIES
Liter:	6.0L
V I N:	U
Year:	99-06

New Engine Coolant Fill Procedure
2003 GM 4.8L, 5.3L & 6.0L VIN V, T & U Engines

The AERA Technical Committee offers the following information on new engine coolant fill procedure. Following this procedure will ensure that the engine coolant system has been filled properly.

Improper coolant filling may occur following a condition where the engine coolant has been drained. If the cooling system is filled through the radiator neck and/or engine coolant overflow reservoir engine overheating may result. When attempting to fill that way the engine coolant may not flow beyond the closed thermostat located on the lower engine at the radiator hose connection. The engine coolant level may appear to be full up to the radiator neck when actually the system may be 4-6 quarts low. If the engine is operated that way an engine overheating condition may occur.

GM offers the following information to correctly fill the cooling system on these engines.

1. Reposition hose clamp and remove the upper radiator hose.
2. Remove the coolant air bleed hose from the radiator.
3. Important Use a 50/50 mixture of DEX-COOL® antifreeze and deionized water.
4. Slowly fill the cooling system through the upper radiator hose with 50/50 coolant mixture until the coolant comes out the coolant air bleed hose.
5. Connect the upper radiator hose to the radiator.
6. Install the upper radiator hose and reposition the clamp to the original position on the hose.
7. Connect the coolant air bleed hose to the radiator.
8. Fill the coolant overflow bottle to the full line.
9. Start engine and run at 2000-2500 RPM until the engine reaches normal operating temperature.
10. Allow the engine to idle for 3 minutes.

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11. Shut the engine off and allow to cool, top off coolant as necessary.
12. Check coolant for correct concentration.
13. Rinse away any excess coolant from the engine compartment.
14. Inspect the cooling system for leaks.

NOTE: Tools required to do the procedure properly are J 26568 coolant & battery tester and a J 38185 hose clamp pliers.

The AERA Technical Committee

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