

Removing Air from Cooling System

The sketch below shows a procedure to purge air from a cooling system using a zero pressure radiator cap and the overflow connection from the expansion tank. It is suggested that this procedure be accomplished prior to heating.

1. Replace the pressure radiator cap on the expansion tank with the Stant No. 10203 (no pressure) cap shown below.
2. Remove the filler cap from the heater reservoir.
3. Connect a temporary hose from the expansion tank and stick it into the heater filler neck. Make the hose long enough to easily reach to the heater. A clear plastic hose will allow air bubbles to be seen as air is purged from the engine.
4. Connect red hose from the heater to the cooling system and turn on the pump. If desired, both hoses may be connected. This will pressurize the cooling system and provide coolant flow from the engine through the expansion tank to the engine heater.
5. To aid purging air from the cooling system:
 - a. Lift the front of the car to allow air from the front of the heads and radiator to be pushed to the expansion tank.
 - b. Lift the back of the car to allow air from the back of the heads to be pushed to the expansion tank.
 - c. For some engines, it may be necessary to rock the car side to side to help move air from the heads to the expansion tank.
6. To lower coolant in the expansion tank: Turn heater pump off, remove cap from expansion tank. Disconnect red hose from cooling system when desired coolant level in expansion tank is reached. Install pressure cap on expansion tank.

