



## Subaru Engine cooling system bleeding process

Most Subaru engines are difficult to get trapped air to bleed out of the cooling system when a replacement engine or radiator is fitted.

You may already have your own system to bleed engines, if not here are some ideas we have found will work.

The instructions below assume that you have a proper professional cooling system bleeding funnel, if you don't please contact us and we can tell you what you need and where to get one. Please note that our engine warranty does not cover blown head gaskets due to incorrect bleeding of the cooling system.

1. Jack up the front of the vehicle as high as possible.
2. Remove or don't fit the highest heater hose and then fill the system until coolant comes out of the hose, now re-connect the hose.
3. Fit a funnel system with the correct cap to the radiator or header tank, open funnel tap, fill the system and leave the funnel tap ½ open.
4. Continually squeeze the top and bottom radiator hoses to force trapped air into the funnel, this can take 5-minutes.
5. Now start the engine and turn the heater temperature up to maximum but the fan speed to minimum.
6. Allow the engine to warm up and the thermostat to open so the temperature gauge reads normal, this can take 10~15 minutes, keep topping up the funnel as required.
7. Rev the engine between 2500 to 4000rpm off and on for 5-minutes, this should allow the water pump to force air out of the system. Note that warm air should be coming out of the heater vents, if not the heater must have air trapped in it, **STOP** the engine and allow to cool down then go back to step 2 above.

8. If all seems normal remove the funnel system and top up the radiator or header tank as well as the overflow bottle, replace the radiator cap and run the engine for 5-minutes.
9. Leave the vehicle **OVER NIGHT** and then check the coolant levels in the morning, this is a critical step do NOT short cut this!

Please phone Strong for Subaru if you have any questions about this procedure before you proceed, we will be happy to answer your questions or talk you through the process.

Phone us (09) 634-0065 8:00am to 5:00pm week days.