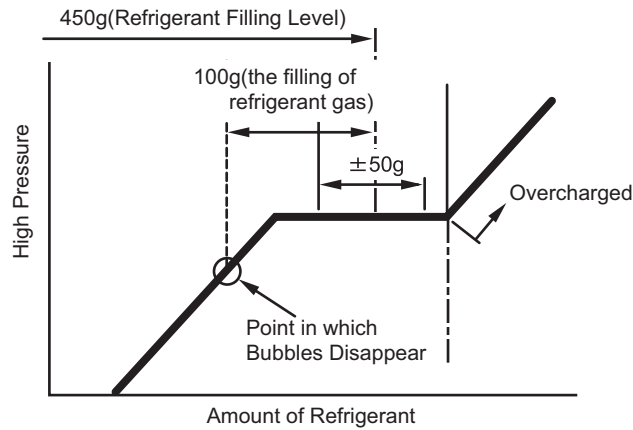


Charging the Sub-Cool Cycle with Refrigerant Gas

- In a receiver cycle, the point at which the bubbles disappear from the refrigerant gas is at the entrance to the refrigeration capacity stabilization region (shelf). However, in a sub-cool cycle, the point at which the bubbles disappear is before the refrigeration stabilization region (shelf). For this reason, the cycle must be charged with an additional 100g to reach the proper charging volume (proper refrigerant charging volume: 450 ± 50 g). (The proper refrigeration capacity cannot be reached if the charging of the cycle with refrigerant gas is stopped at the point at which the bubbles disappear.) Overcharging the cycle will also lead to poor fuel economy or insufficient refrigeration capacity. Therefore, make sure to charge the cycle with the proper volume of refrigerant gas.

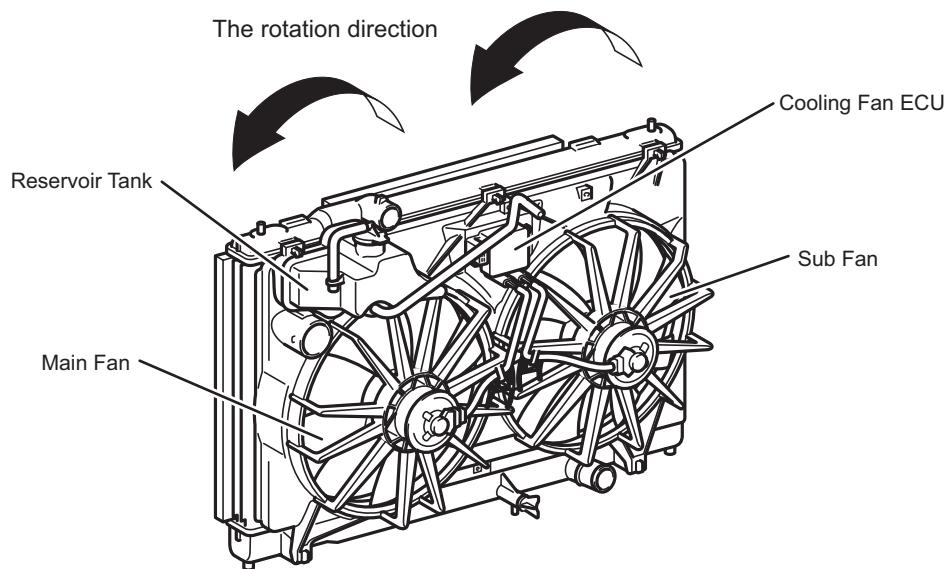


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AC

Electric Fan

- Suction type electric fans are used on all models.
- A cooling fan ECU is used for controlling the electric fans, and is installed on the radiator fan shroud.



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Electric Fan Function

- The system steplessly controls the speed of the electric fans in accordance with the refrigerant pressure detected by the pressure sensor, the engine coolant temperature, and the engine speed.

Electric Fan Operation

- Upon receiving the inputs of the A/C switch ON/OFF signal, engine coolant temperature signal, engine speed signal, and the refrigerant pressure signal detected by the pressure sensor via the engine ECU, the cooling fan ECU controls the speed of the electric fans in the most suitable state.

