

# Cooling replacement Technical Bulletin - September 2011

Cooling replacement



All car makers



Cooling recommendations

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During the water pump replacement, SKF strongly recommends to use the appropriate coolant to prevent from water pump failure and engine damage.

## Cooling replacement instructions

#### Emptying the system:

- 1. Remove the cap from the bottle of coolant and the radiator cap.
- 2. Start draining the radiator by disconnecting the bottom hose.
- 3. Open the drain valve (where fitted) on the radiator.
- 4. Open the bleed screw (where fitted) from the engine block.
- 5. Use your automotive technical documentation for locating all of the water drain screws in the engine block and cooling system.
- 6. Let the system completely drain.





#### Flush the system:

- With the exception of the engine block – close all of the bleed screws.
- 2. Unclip and pull off the top radiator hose and insert your garden water hose.
- 3. Flush until the water runs clear through the bottom hose.
- 4. Re-attach the bottom hose and rinse until the water runs clear through the engine block drain hole.





#### Cooling replacement:

- 1. Replace the drain cap on the engine block.
- 2. Reposition all hoses.
- 3. Close the screw or drain valve on the the radiator.
- 4 Remove the fasteners on the header tank.
- 5. Suspend the header tank on the open bonnet.-
- 6. Open the various purge screws on the system, except those on the engine block which must be closed.
- 7. Begin to fill the circuit slowly by pouring the coolant into the suspended header tank.
- Close the screw when a jet of coolant liquid flows freely and no air bubbles are present (ie. no bubbles or hiss due to the presence of air in the system). The bleed screws must be closed, starting with the one located at the lowest point of the system.





### **Cooling replacement instructions**

Depending on the car manufacturer, the coolant type may differ. Always follow car manufacturers specifications when choosing the coolant type – failure to do so could result in water pump failure!



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