

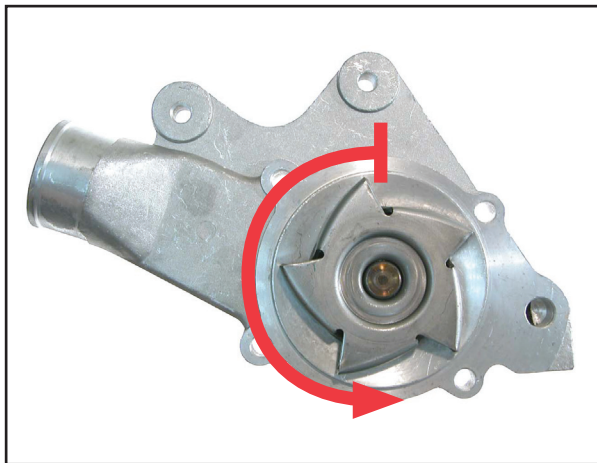
# Standard or Reverse Rotation Water Pump: The Difference



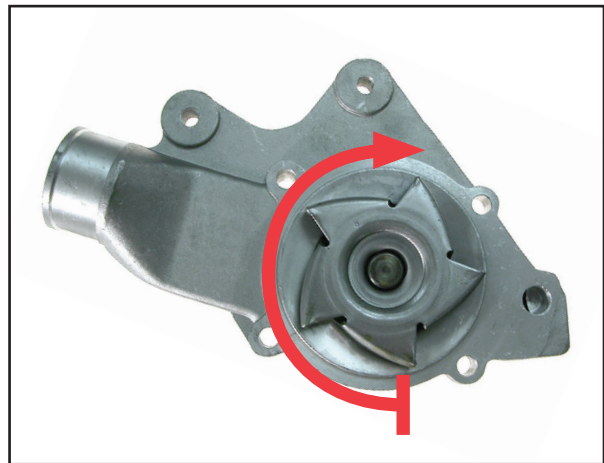
If the water pump is still mounted on the engine, refer to the belt path diagram under the hood to determine if it is a STANDARD or REVERSE rotation water pump. The diagram is typically located on the fan shroud, or on the front fender brace. A STANDARD rotation pump rotates the same direction of the crankshaft. A REVERSE rotation pump rotates the opposite direction of the crankshaft.

- Water pump pulleys running on the INSIDE surface of the belt indicate a STANDARD ROTATION water pump.
- Water pump pulleys running on the OUTSIDE surface of the belt indicate a REVERSE ROTATION water pump.

If the pump has been removed from the engine, refer to the images below:



**STANDARD ROTATION WATER PUMP**  
for example: AW1002, AW3403, AW3414



**REVERSE ROTATION WATER PUMP**  
for example: AW3404, AW5038, AW3413

Note: Coolant is pushed off the back side of the impeller blade; not scooped as commonly thought.

## **! WARNING !**

**STANDARD AND REVERSE ROTATION WATER PUMPS ARE NOT INTERCHANGEABLE.**

*Serious engine damage can result from using the wrong pump.*