

# AISIN is the #1 OE Water Pump manufacturer in the world.

- AISIN water pumps provide optimal cooling to protect engines from severe heat.
- Engine specific water pressure is achieved without excessive load to engine.
- Aisin's advanced aluminum die-casting technology allows for size and weight reductions without sacrificing cooling performance.
- Improved strength in body design and carbon ceramic mechanical seal assures leak prevention.
- Aisin uses the highest quality materials, creating stronger body design and resistance to corrosion.

AISIN is a supplier to many vehicle nameplates around the world. Please ask your professional installer if AISIN manufactures a water pump for your vehicle.

**AISIN**  
Geared up for the future



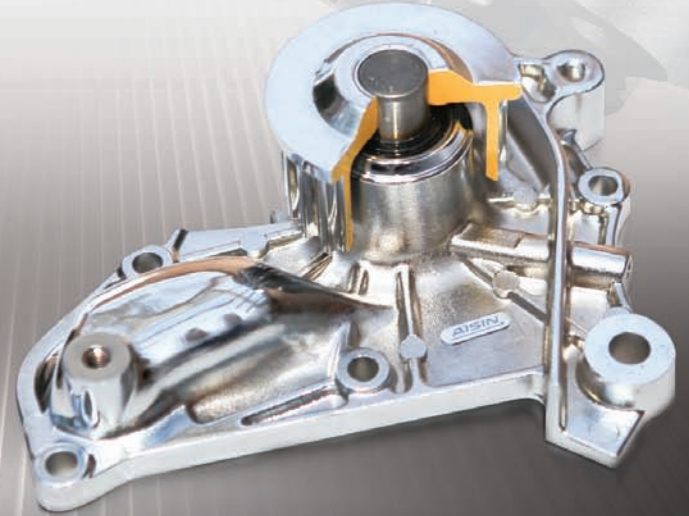
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*Geared up for the future*

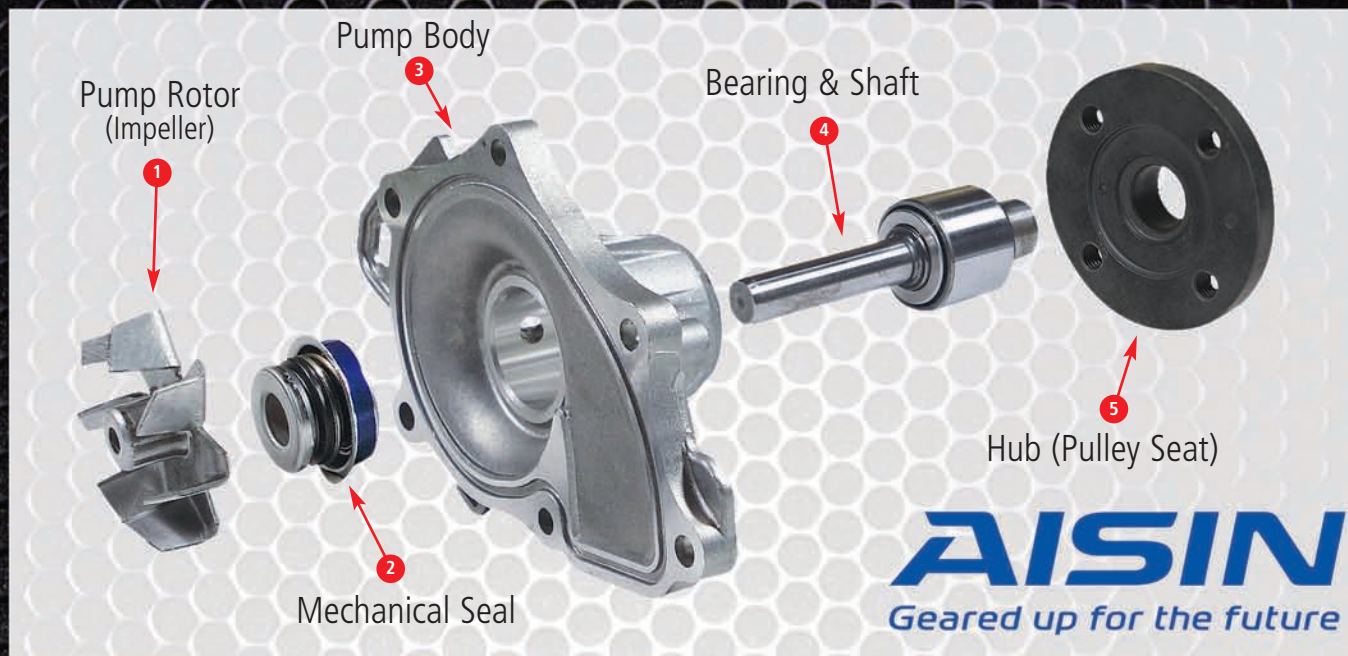
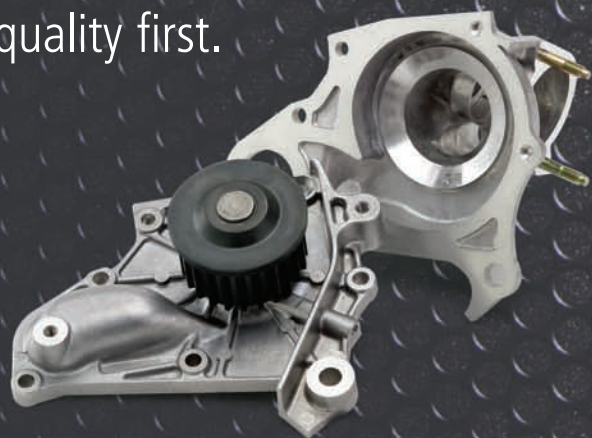


**Your #1 Choice  
for Water Pumps**



AISIN is a leader in the development and production of high-quality OE matched components and systems for the automotive industry. We are dedicated to developing a superior product...

...That is why we put quality first.

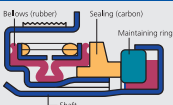


**1 Pump Rotor**



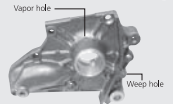
Quality materials for the rotor are a necessity to create and maintain complex geometry for the optimization of coolant flow, as well as resisting corrosion from rust, scaling of coolant and cavitation.

**2 Mechanical Seal**



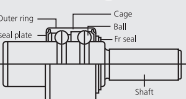
The mechanical seal prevents coolant leaks as well as support for the rotation of the shaft. The structure of the airtight seal and durable materials used also prevents unwanted noise and vibrations.

**3 Pump Body**



Quality materials are used to withstand heat, vibration and corrosion. Water channels are designed for optimal flow of coolant. Positioning of vapor hole and weep hole is key to prevent excess coolant from bearing and shaft contamination.

**4 Bearing & Shaft**



The bearing relieves pressure on the shaft from the tension created by the fan or timing belt. Since pressure is continuously applied, a high quality bearing is of the utmost importance to protect the water pump from failing.

**5 Hub (Pulley Seat)**



The pulley hub transfers energy from the fan or timing belt into a rotation, spinning the shaft and the rotor, therefore circulating coolant throughout the entire cooling system.