Installation Procedure

CAUTION!

Failure to follow recommended procedures may cause engine failure and injury. Always consult the manufacturer's vehicle specific service manual for reference.

Remove old pump, gaskets and foreign materials left on the mounting surface. Thoroughly clean with non-abrasive solvent. Confirm that the mounting surfaces are free of damage, deformation, and debris.

Damage, deformation, and debris on mounting surfaces may cause seal malfunction which will create oil leakage and lower oil pressure.

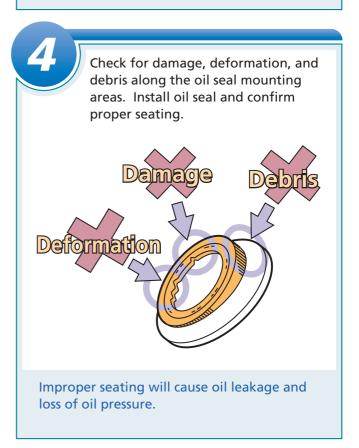
Always use engine oil to lubricate the sliding and rotating components of the oil pump when installing, disassembling, or cleaning.

Lubricating surfaces will prevent pump seizure and suction failure.

Ensure that there are no contaminants or debris in the pump before installation.

Sand

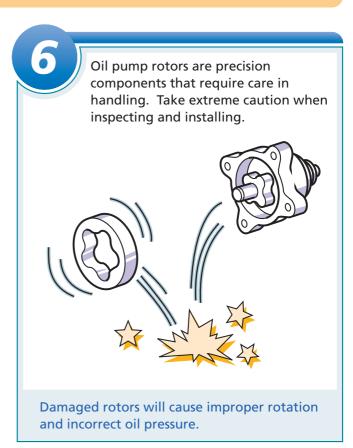
Contaminants and debris will cause damage to rotors. Consequently, improper valve operations and abnormal pressure may occur.





Failure to follow recommended procedures may cause engine failure and injury. Always consult the manufacturer's vehicle specific service manual for reference.

Always use new O-rings and gaskets when installing an oil pump. Ensure the O-ring does not pinch between mounting surfaces during installation. Pinched oil rings will cause oil leaks and lower oil pressure.



Install the oil pump in a diagonal (star) pattern. Always follow the manufacturer's vehicle specific recommended torque tools, procedures, and specifications. Following correct procedures prevents leakage from the mounting surface, oil pump body, and

body fractures caused by over-torque.

