

OIL PUMP [GW6A-EL, GW6AX-EL]

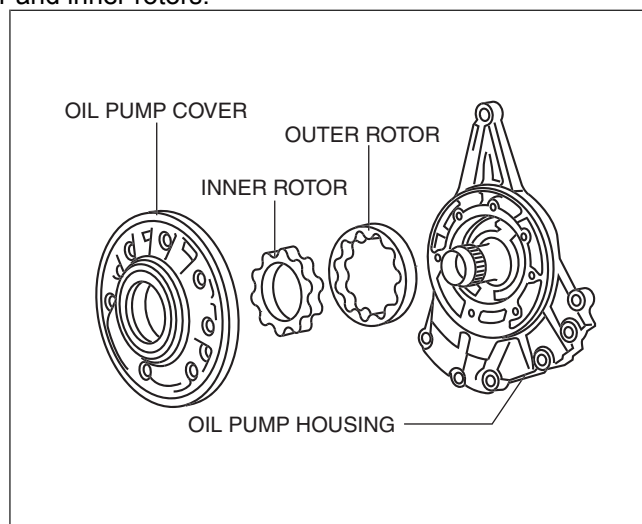
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Purpose/Function

- The oil pump generates hydraulic pressure in the oil line of the automatic transaxle together with supplying lubrication to powertrain related parts.

Construction

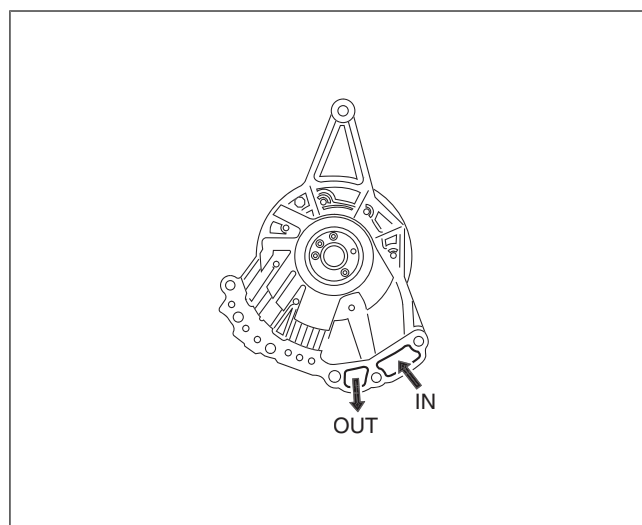
- The oil pump has adopted a gear type with built-in outer and inner rotors.
- The inner rotor engages with the torque converter and rotates in conjunction with the rotation of the torque converter.



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Operation

- When the inner rotor in the oil pump rotates, vacuum is generated in the outer rotor. As a result, ATF in the oil pan is suctioned to the oil pump. Further rotation of the inner rotor causes the inner rotor blades to push the ATF and discharge it from the oil pump.
- The ATF discharge flow amount increases or decreases in proportion to the rotation speed of the inner rotor.



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