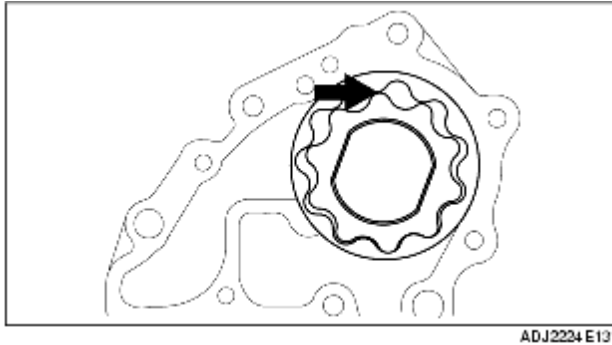


OIL PUMP INSPECTION

B3E011014100E01

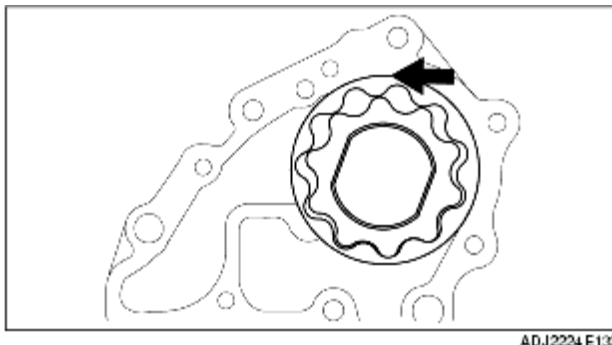
1. Measure the clearance between the inner rotor and the outer rotor using a feeler gauge.



- If it exceeds the maximum specification, replace the inner rotor or outer rotor, or both.

Standard tip clearance
0.02-0.18 mm {0.0008-0.0070 in}
Maximum tip clearance
0.20 mm {0.0078 in}

2. Measure the clearance between the outer rotor and the body using a feeler gauge.



- If it exceeds the maximum specification, replace the outer rotor or oil pump, or both.

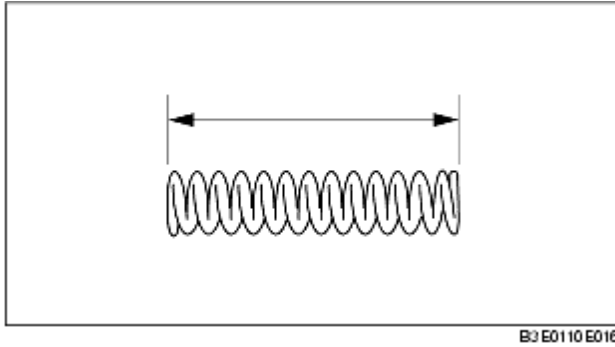
Standard body clearance
0.09-0.175 mm {0.0036-0.0068 in}
Maximum body clearance
0.20 mm {0.0078 in}

3. Measure the side clearance using a straight edge and feeler gauge.

- If it exceeds the specification, replace the inner rotor, outer rotor, oil pump, or all of them.

Standard side clearance
0.03-0.07 mm {0.0012-0.0027 in}
Maximum side clearance
0.09 mm {0.0035 in}

4. Measure the free length of the plunger spring using a vernier caliper.



- If it is less than the specification, replace the plunger spring.

Free length
45.94 mm {1.8087 in}