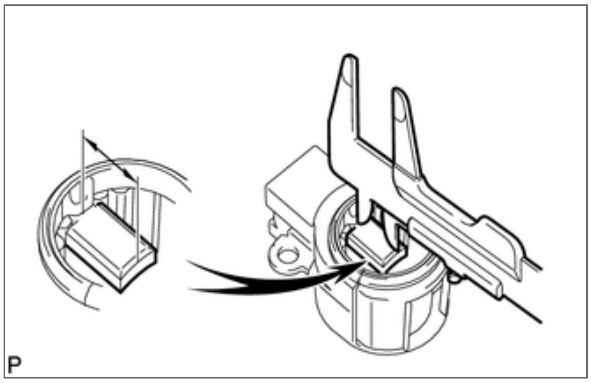
PROCEDURE

1.INSPECT GENERATOR BRUSH HOLDER ASSEMBLY 27370



a. Using a vernier caliper, measure the exposed brush length.

Standard brush length:
10.5 mm (0.413 in.)

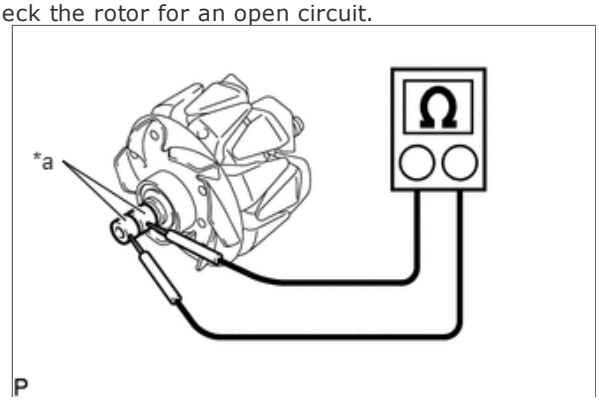
Minimum brush length:
4.5 mm (0.177 in.)

If the exposed brush length is less than the minimum, replace the generator brush holder assembly.

2.INSPECT GENERATOR ROTOR ASSEMBLY 27330

a. Check the rotor for an open circuit.

i.



*a	Slip Ring

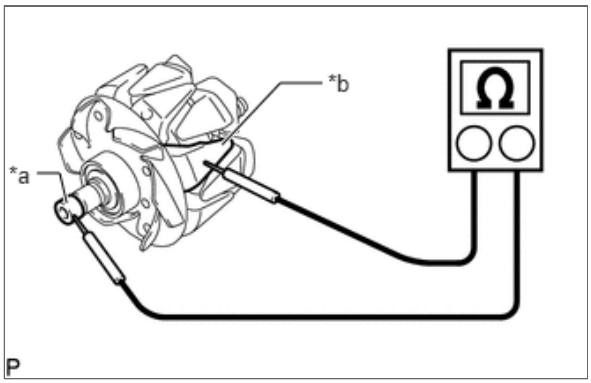
Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
Slip ring - Slip ring	20°C (68°F)	1.85 to 2.25 Ω

If the result is not as specified, replace the generator rotor assembly.

ii.



*a	Slip Ring
*b	Rotor Core

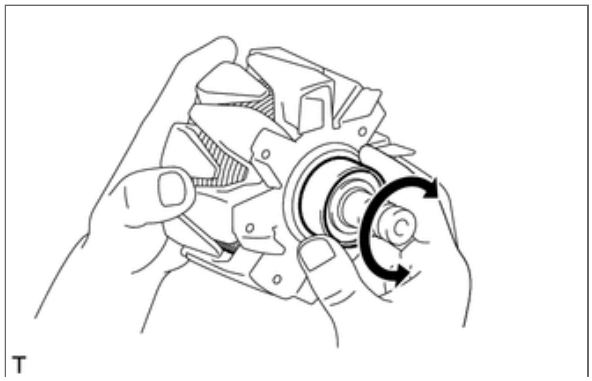
Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
Slip ring - Rotor core	Always	10 kΩ or higher

If the result is not as specified, replace the generator rotor assembly.

b.

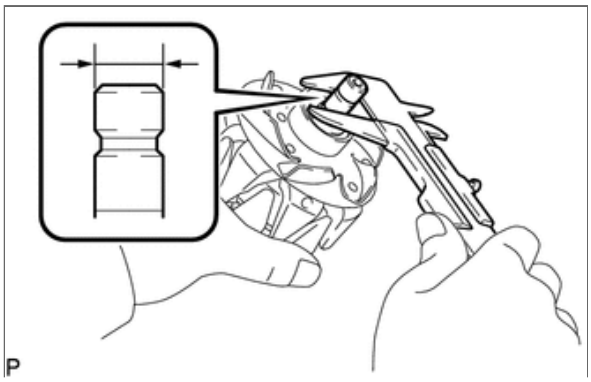


Check that the generator rotor bearing is not rough or worn.
If necessary, replace the generator rotor assembly.

c. Check each slip ring.

i. Check that the slip rings are not rough or scored.
If rough or scored, replace the generator rotor assembly.

ii.



Using a vernier caliper, measure the slip ring diameter.

Standard diameter:
14.2 to 14.8 mm (0.559 to 0.583 in.)

Minimum diameter:
14.0 mm (0.551 in.)

If the diameter is less than the minimum, replace the generator rotor assembly.