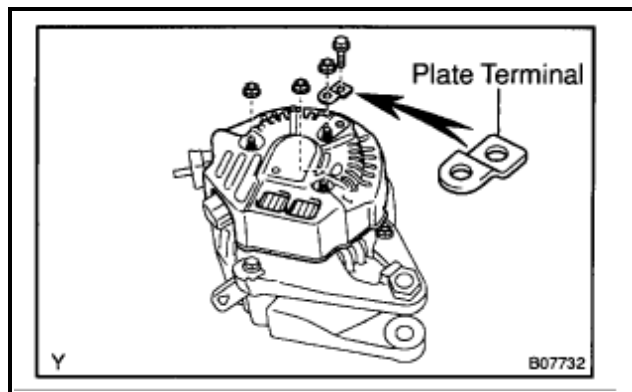


Disassembly and Reassembly

DISASSEMBLY

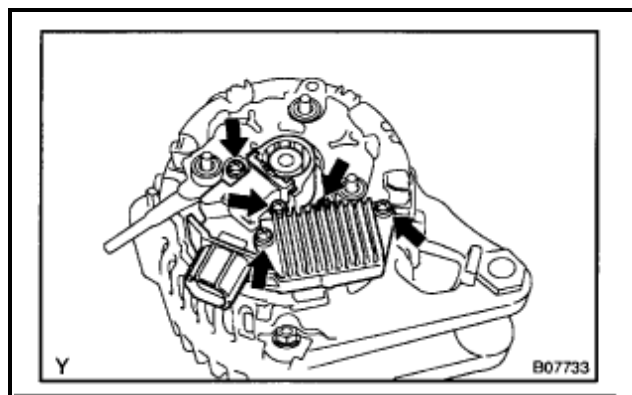


ZOOM

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1. REMOVE REAR END COVER

- a. Remove the nut and terminal insulator.
- b. Remove the bolt, 3 nuts, plate terminal and end cover.



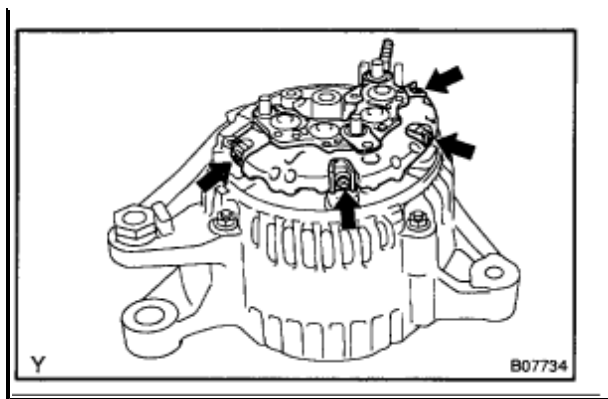
ZOOM

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2. REMOVE [BRUSH HOLDER](#) AND [VOLTAGE REGULATOR](#)

- a. Remove the brush holder cover from the brush holder.
- b. Remove the 5 screws, [brush holder](#) and [voltage regulator](#).
- c. Remove the seal plate from the rectifier end frame.



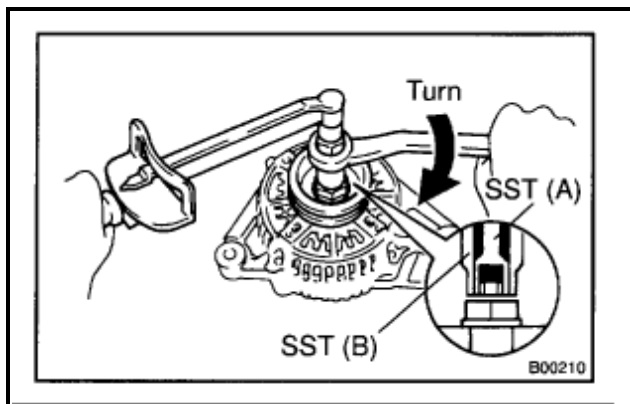


ZOOM

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3. REMOVE RECTIFIER HOLDER

- a. Remove the 4 screws and rectifier holder.
- b. Remove the 4 rubber insulators.

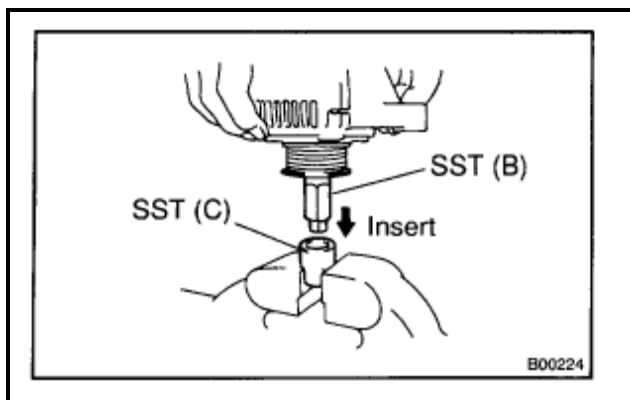


ZOOM

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4. REMOVE PULLEY

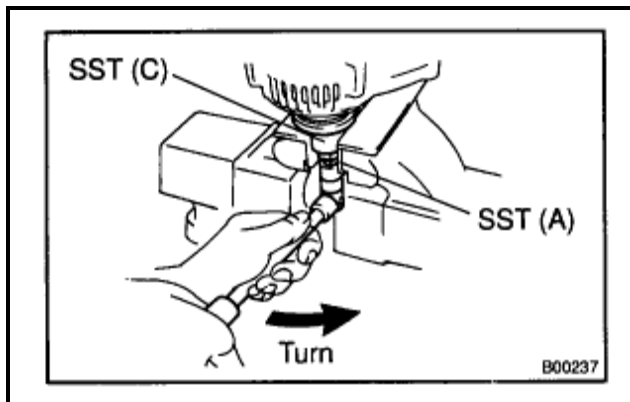
- a. Hold SST (A) with a torque wrench, and tighten SST (B) clockwise to the specified torque. SST 09820-63010
Torque: **39 Nm (400 kg.cm, 29 ft.lb)**
- b. Check that SST (A) is secured to the [rotor](#) shaft.



ZOOM

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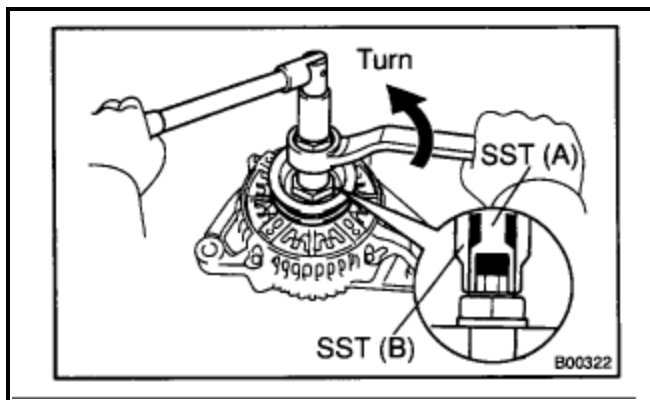
- c. Mount SST (C) in a vise.
- d. Insert SST (B) into SST (C), and attach the pulley nut to SST (C).



ZOOM

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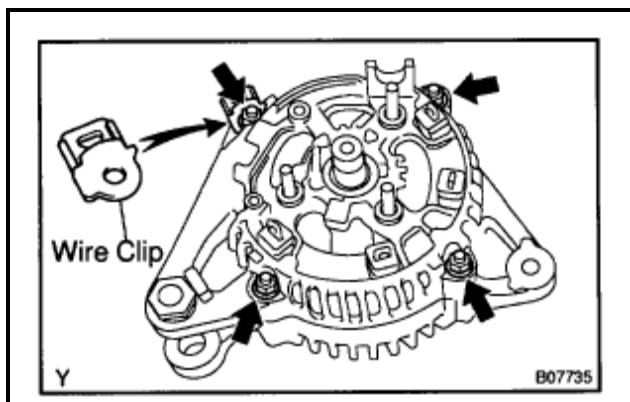
- e. To loosen the pulley nut, turn SST (A) in the direction shown in the illustration. **NOTE:** To prevent damage to the [rotor](#) shaft, do not loosen the pulley nut more than one-half of a turn.
- f. Remove the generator from SST (C).



ZOOM

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- g. Turn SST (B), and remove SST (A and B).
- h. Remove the pulley nut and pulley.

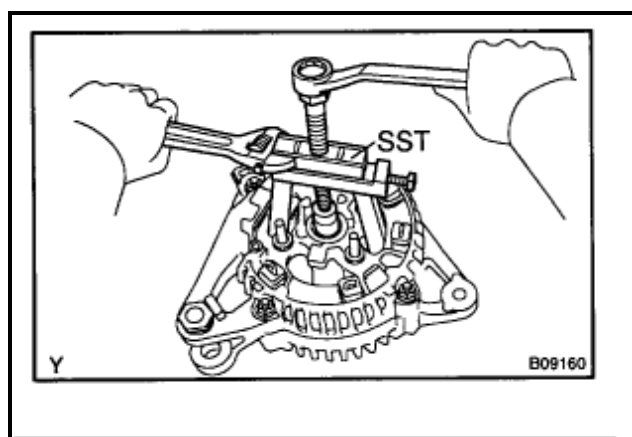


ZOOM

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5. REMOVE RECTIFIER END FRAME

- a. Remove the 4 nuts and wire clip.



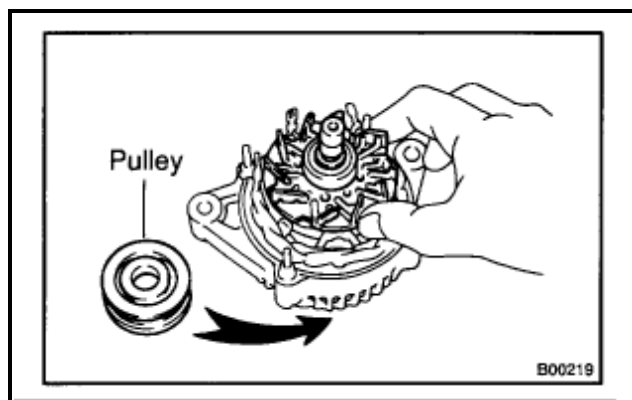
ZOOM

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- b. Using SST, remove the rectifier end frame. SST O9286-46011
- c. Remove the generator washer from the [rotor](#)

6. REMOVE [ROTOR](#) FROM DRIVE END FRAME

REASSEMBLY



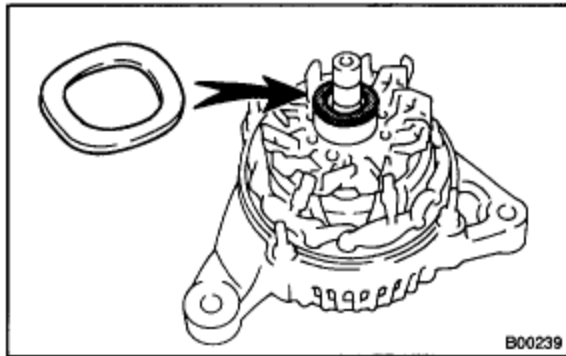
ZOOM

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1. INSTALL [ROTOR](#) TO DRIVE END FRAME

- a. Place the drive end frame on the pulley.
- b. Install the [rotor](#) to the drive end frame.



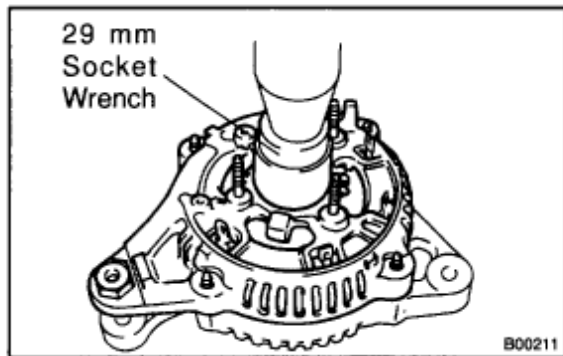


ZOOM

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2. INSTALL RECTIFIER END FRAME

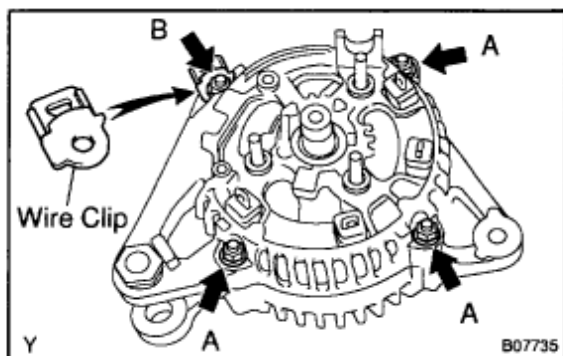
- a. Place the generator washer on the [rotor](#).



ZOOM

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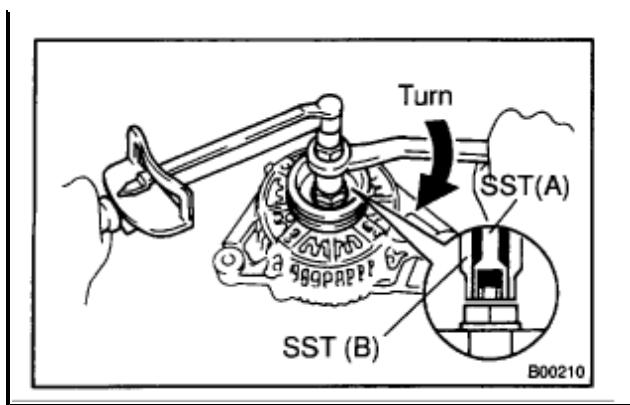
- b. Using a **29 mm** socket wrench and press, slowly press in the rectifier end frame.



ZOOM

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- c. Install the wire clip and 4 nuts. Torque: Nut A **4.5 Nm (46 kg.cm, 40 in.lb)** Nut B **5.4 Nm (55 kg.cm, 48 in.lb)**

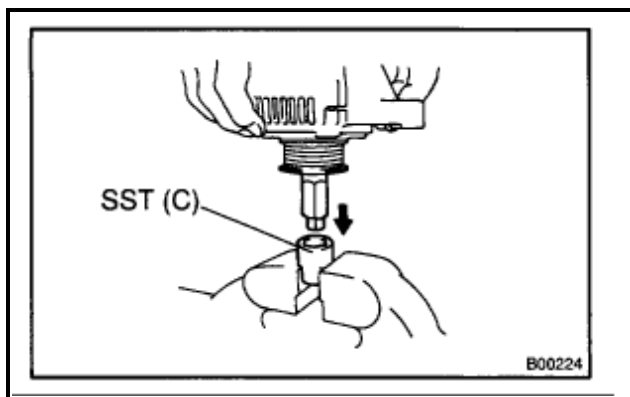


ZOOM

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3. INSTALL PULLEY

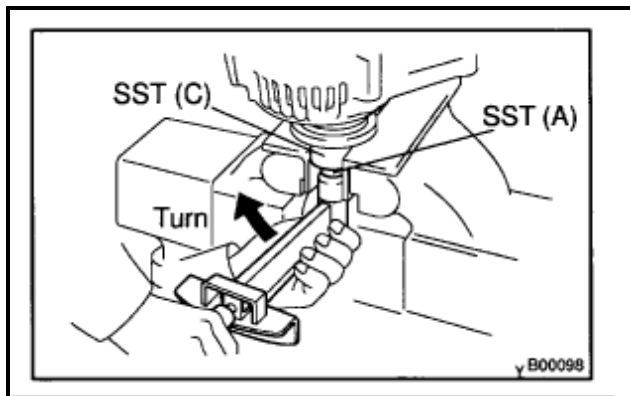
- Install the pulley to the [rotor](#) shaft by tightening the pulley nut by hand.
- Hold SST (A) with a torque wrench, and tighten SST (B) clockwise to the specified torque. SST O9820-63010
Torque: **39 Nm (400 kg.cm, 29 ft.lb)**
- Check that SST(A) is secured to the pulley shaft.



ZOOM

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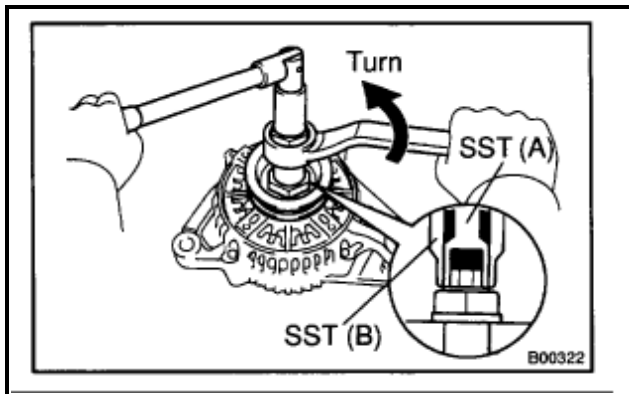
- Mount SST (C) in a vise.
- Insert SST (B) into SST (C), and attach the pulley nut to SST (C).



ZOOM

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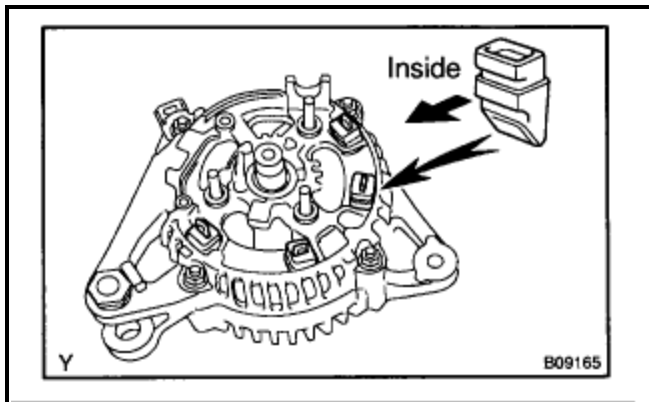
- f. To torque the pulley nut, turn SST (A) in the direction shown in the illustration. Torque: **111 Nm (1,125 kg.cm, 81 ft.lb)**
- g. Remove the generator from SST (C).



ZOOM

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- h. Turn SST (B), and remove SST (A and B).

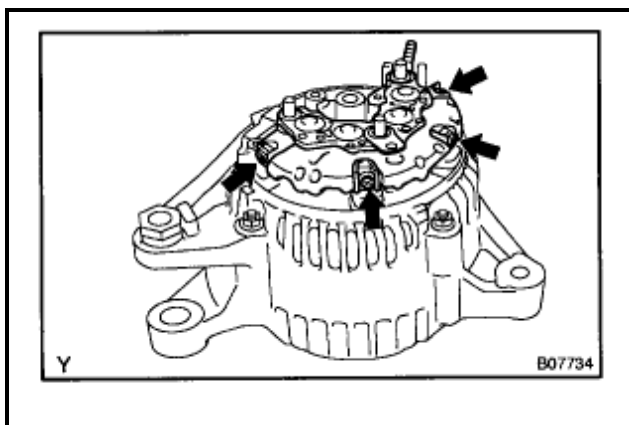


ZOOM

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4. INSTALL RECTIFIER HOLDER

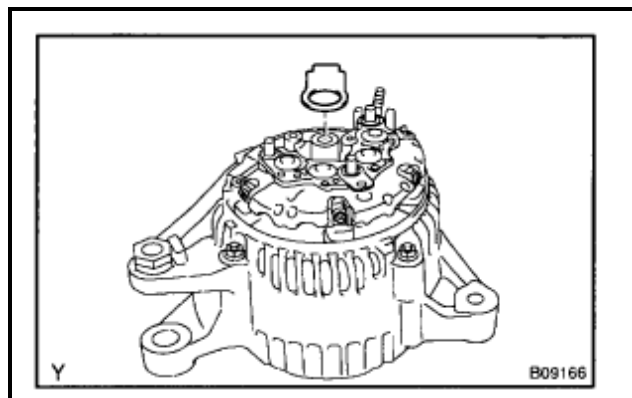
- a. Install the 4 rubber insulators on the lead wires. **NOTE:** Be careful of the rubber insulators installation direction.



ZOOM

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- b. Install the rectifier holder while pushing it with the 4 screws Torque: **2.9 Nm (30 kg.cm, 26 in.lb)**

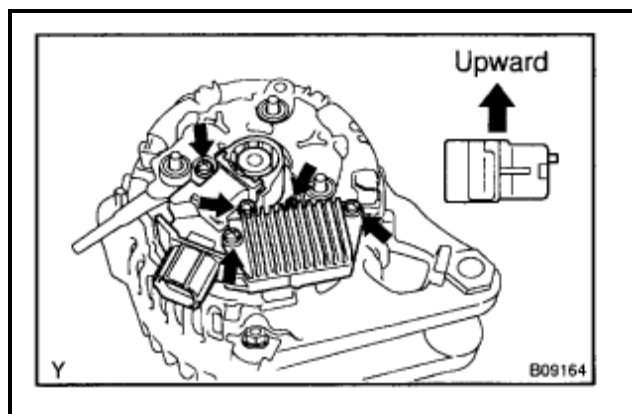


ZOOM

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5. INSTALL [VOLTAGE REGULATOR](#) AND [BRUSH HOLDER](#)

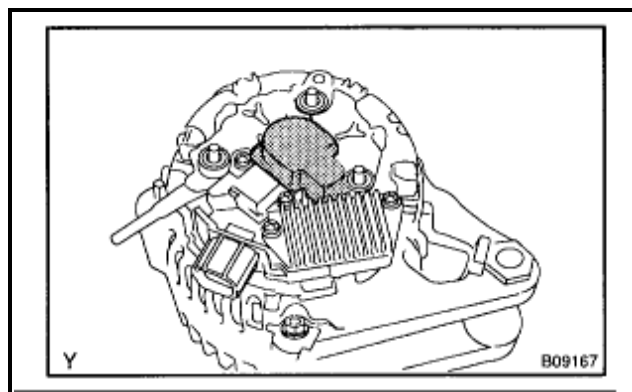
- a. Place the seal plate on the rectifier end frame.



ZOOM

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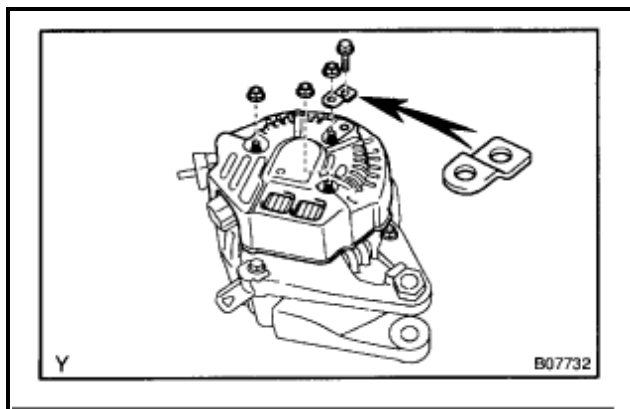
- b. Place the [voltage regulator](#) and [brush holder](#) on the rectifier end frame. **NOTE:** Be careful of the holder installation direction.
- c. Install the 5 screws. Torque: **2.0 Nm (20 kg.cm, 18 in.lb)**



ZOOM

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- d. Place the [brush holder](#) cover on the brush holder.



ZOOM

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6. INSTALL REAR END COVER

- a. Install the end cover and plate terminal with the bolt and 3 nuts.

Torque:

Nut **4.4 Nm (45 kg.cm, 39 in.lb)**

Bolt **3.9 Nm (39 kg.cm, 35 in.lb)**

- b. Install the terminal insulator with the nut. Torque: **4.1 Nm (42 kg.cm, 36 in.lb)**

7. CHECK THAT [ROTOR](#) ROTATES SMOOTHLY