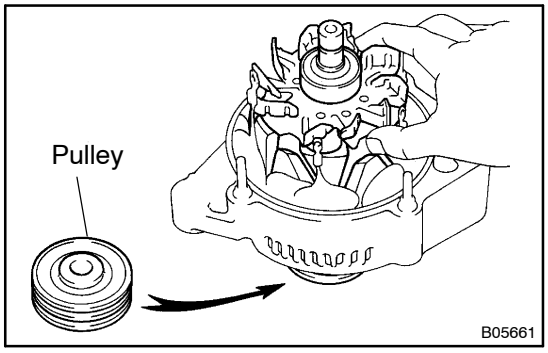
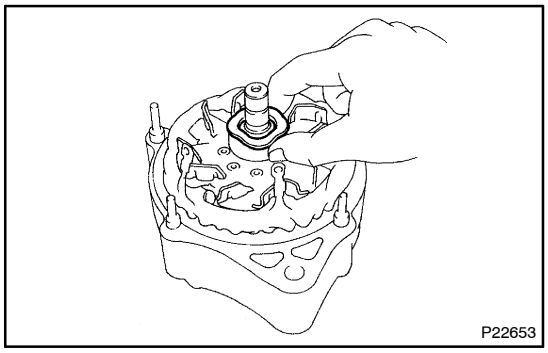
CH0AG–01

REASSEMBLY

1. PLACE DRIVE END FRAME ON PULLEY

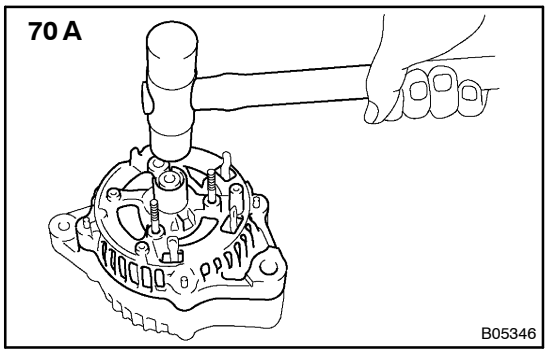
2. INSTALL ROTOR TO DRIVE END FRAME



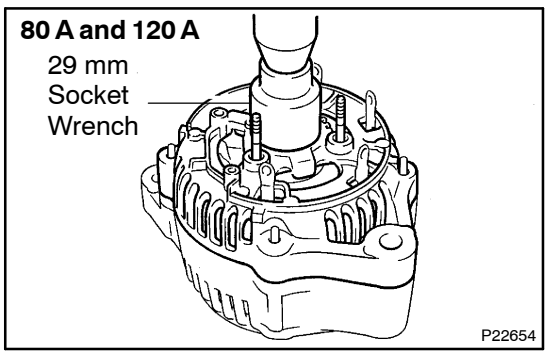


3. INSTALL RECTIFIER END FRAME

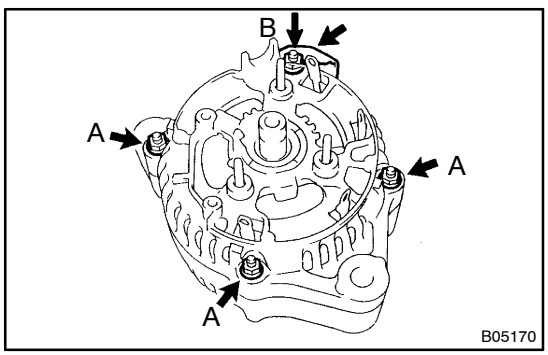
(a) Place the alternator washer on the rotor.



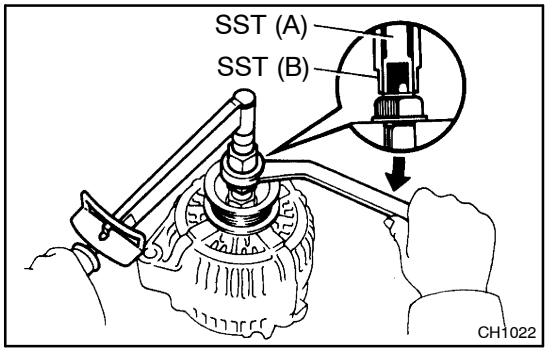
(b) 70 A:
Using a plastic hammer, lightly tap in the end frame.



(c) 80 A and 120 A:
Using a 29 mm socket wrench and press, slowly press in the rectifier end frame.



(d) Install the cord clip and 4 nuts.
Torque:
70 A:
A, B: 4.5 N·m (46 kgf·cm, 40 in.·lbf)
80 A and 120 A:
A: 4.5 N·m (46 kgf·cm, 40 in.·lbf)
B: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

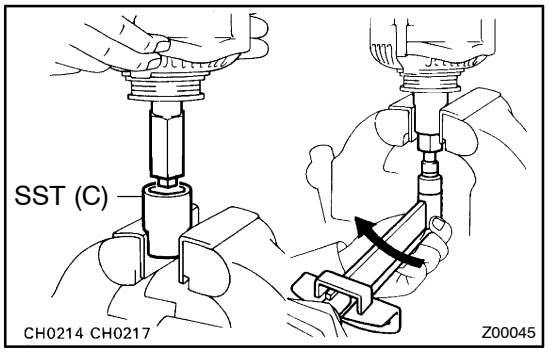


4. INSTALL PULLEY

(a) Install the pulley to the rotor shaft by tightening the pulley nut by hand.

(b) Hold SST (A) with a torque wrench, and tighten SST (B) clockwise to the specified torque.
SST 09820–63010
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

(c) Check that SST (A) is secured to the pulley shaft.

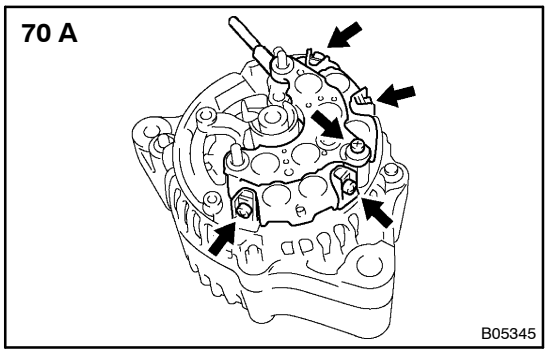


(d) As shown in the illustration, mount SST (C) in a vise, and install the alternator to SST (C).

(e) To torque the pulley nut, turn SST (A) in the direction shown in the illustration.
Torque: 110.5 N·m (1,125 kgf·cm, 81 ft·lbf)

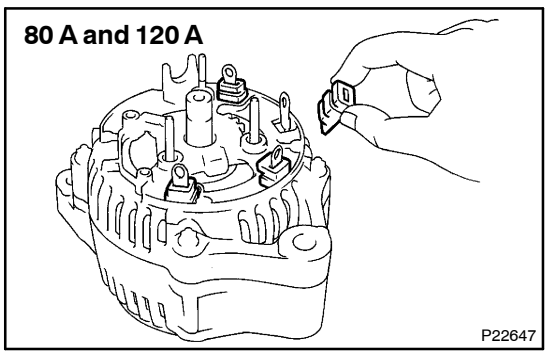
(f) Remove the alternator from SST (C).

(g) Turn SST (B), and remove SST (A and B).

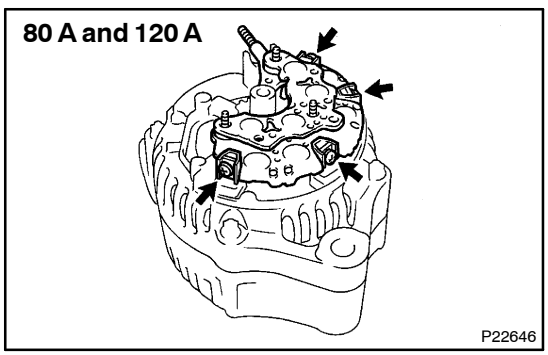


5. INSTALL RECTIFIER HOLDER

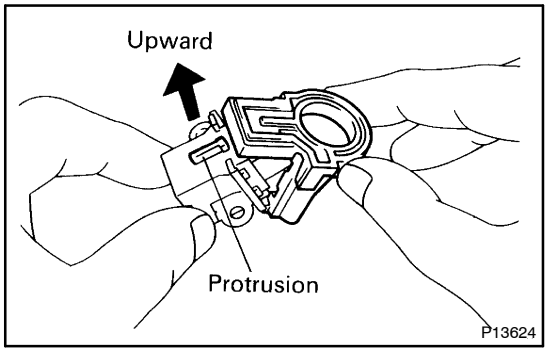
(a) 70 A:
Install the rectifier holder with the 4 screws and bolt.
Torque:
Screws: 1.96 N·m (20 kgf·cm, 17 in.·lbf)
Bolt: 3.9 N·m (40 kgf·cm, 35 in.·lbf)



(b) 80 A and 120 A:
Install the 4 rubber insulators on the lead wires.



(c) 80 A and 120 A
Install the rectifier holder while pushing it with the 4 screws.
Torque: 2.94 N·m (30 kgf·cm, 26 in.·lbf)

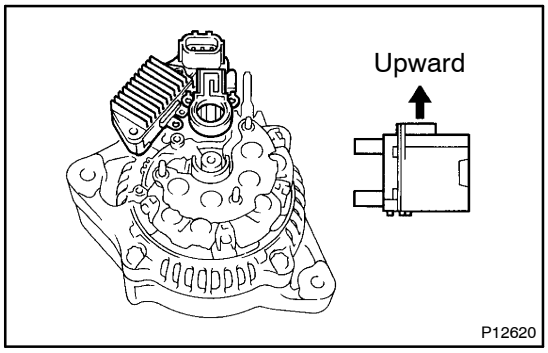


6. 70 A:
INSTALL IC REGULATOR AND BRUSH HOLDER

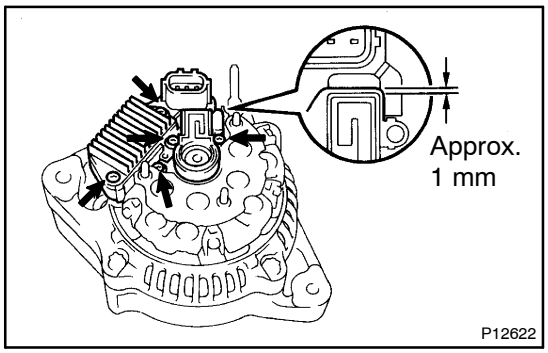
(a) Install the brush holder cover to the brush holder.

NOTICE:

Be careful of the holder installation direction.

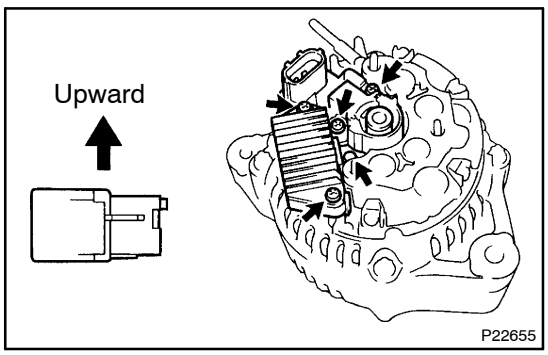


(b) Place the IC regulator together with the brush holder horizontally on the rectifier end frame.



(c) Install the 5 screws until there is a clearance of approx. 1 mm (0.04 in.) between the brush holder and connector.
Torque: 1.96 N·m (20 kgf·cm, 17 in.·lbf)

(d) Fit the brush holder cover.



7. 80 A and 120 A:
INSTALL IC REGULATOR AND BRUSH HOLDER

(a) Place the seal plate on the rectifier end frame.

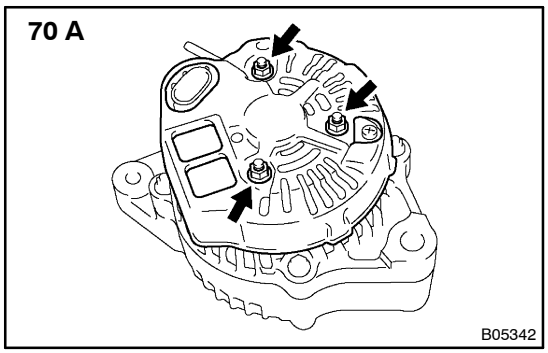
(b) Place the IC regulator and brush holder on the rectifier end frame.

NOTICE:

Be careful of the holder installation direction.

(c) Install the 5 screws.
Torque: 2.0 N·m (20 kgf·cm, 18 in.·lbf)

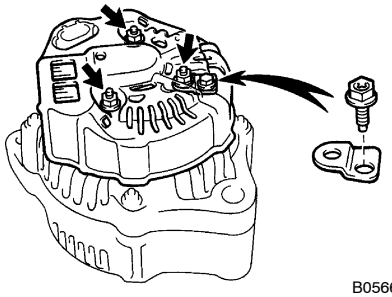
(d) Place the brush holder cover on the brush holder.



8. INSTALL REAR END COVER

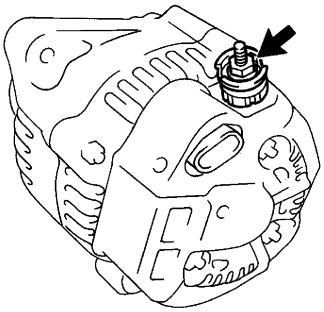
(a) 70 A:
Install the rear end cover with the 3 nuts.
Torque: 4.4 N·m (45 kgf·cm, 39 in.·lbf)

80 A and 120 A



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(b) 80 A and 120 A:
Install the rear end cover and plate terminal with the 3 nuts and screw.
Torque:
Screw: 3.85 N·m (39 kgf·cm, 34 in.·lbf)
Nuts: 4.4 N·m (45 kgf·cm, 39 in.·lbf)



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(c) Install the terminal insulator with the nut.
Torque: 4.1 N·m (42 kgf·cm, 36 in.·lbf)

9. CHECK THAT ROTOR ROTATES SMOOTHLY