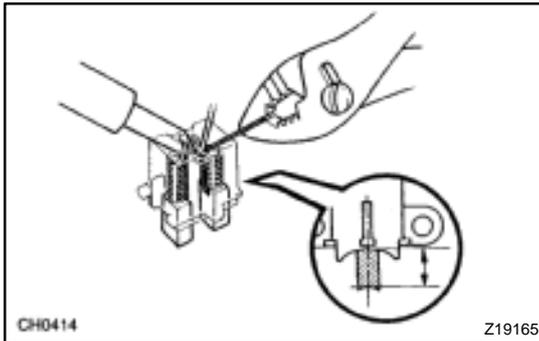


## REPLACEMENT

### 1. REPLACE BRUSHES

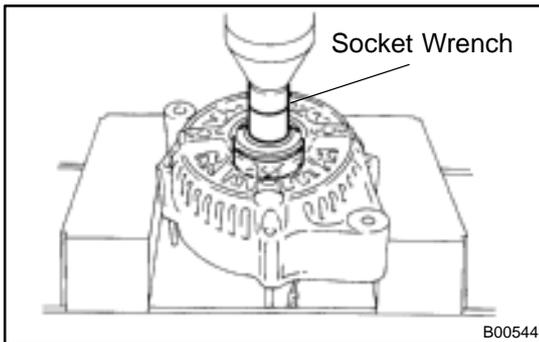
- (a) Unsolder and remove the brush and spring.
- (b) Run the wire of a new brush through the spring and the hole in the brush holder, and insert the spring and brush into the brush holder.



- (c) Solder the brush wire to the brush holder at the specified exposed length.

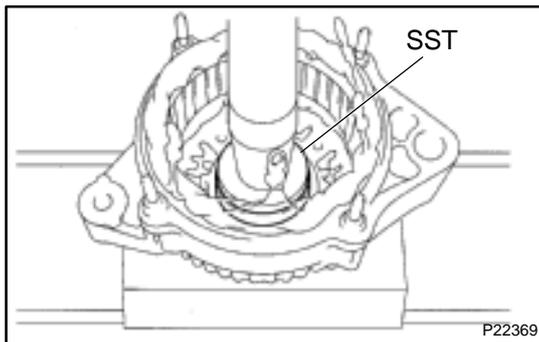
**Exposed length: 9.5 – 11.5 mm (0.374 – 0.453 in.)**

- (d) Check that the brush moves smoothly in the brush holder.
- (e) Cut off the excess wire.
- (f) Apply insulation paint to the soldered area.

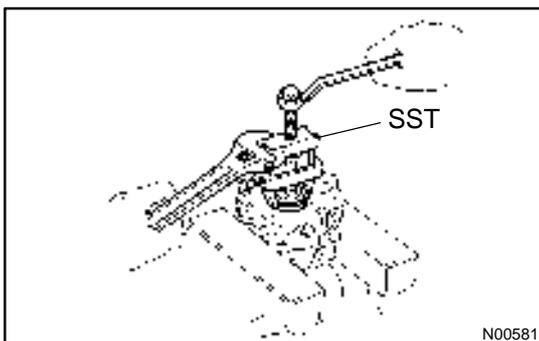


### 2. REPLACE FRONT BEARING

- (a) Remove the 4 screws, bearing retainer and bearing.
- (b) Using a socket wrench and press, press out the bearing.



- (c) Using SST and a press, press in a new bearing.  
SST 09950-60010 (09951-00500)
- (d) Install the bearing retainer with the 4 screws.  
**Torque: 2.6 N·m (27 kgf·cm, 23 in.-lbf)**

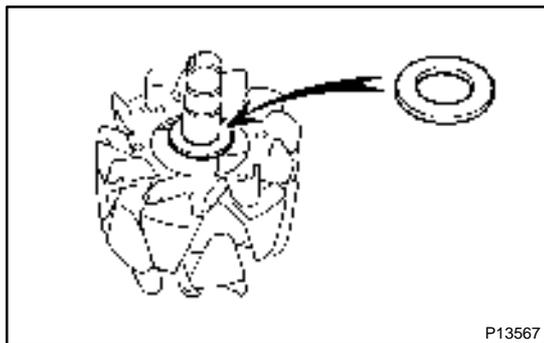


### 3. REPLACE REAR BEARING

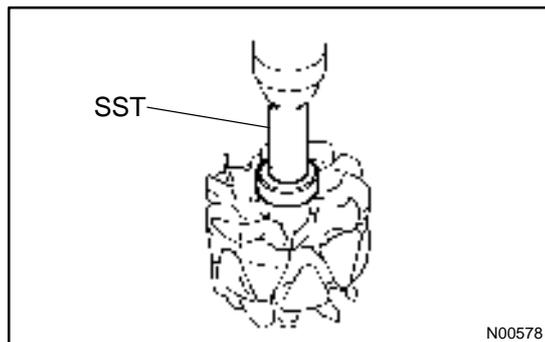
- (a) Using SST, remove the bearing cover (outside) and bearing.  
SST 09820-00021

#### NOTICE:

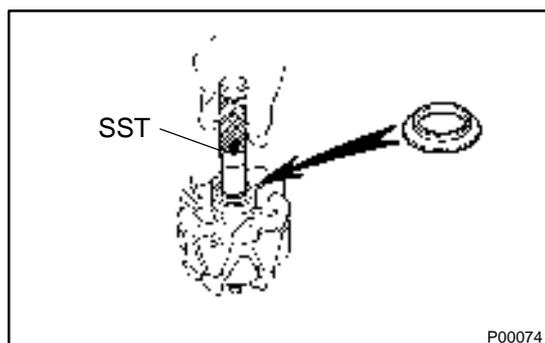
**Be careful not to damage the fan.**



- (b) Remove the bearing cover (inside).
- (c) Place the bearing cover (inside) on the rotor.



- (d) Using SST and a press, press in a new bearing.  
SST 09820-00030



- (e) Using SST, push in the bearing cover (outside).  
SST 09285-76010