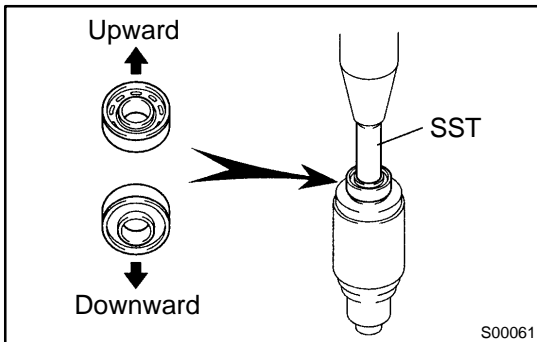


REPLACEMENT

1. REPLACE FRONT BEARING

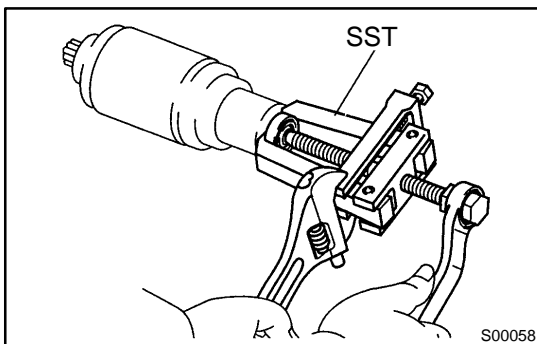
- (a) Using SST, remove the bearing.
SST 09286-46011



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

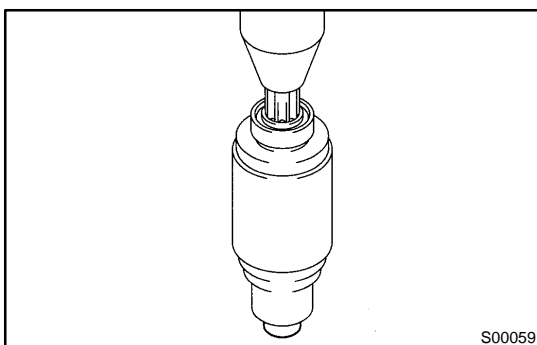
NOTICE:

Be careful of the installation direction.

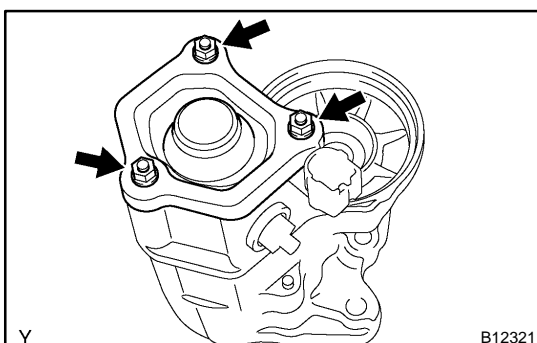


2. REPLACE REAR BEARING

- (a) Using SST, remove the bearing.
SST 09286-46011



- (b) Using a press, press in a new bearing.

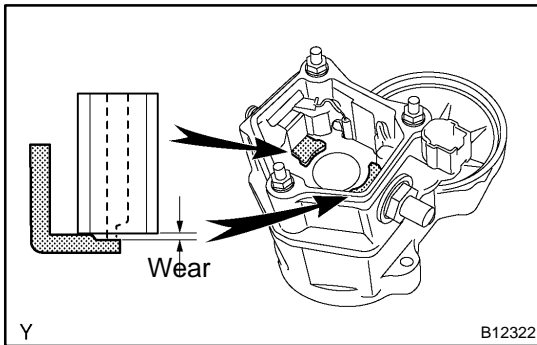


3. REPLACE MAGNETIC SWITCH TERMINAL KIT PARTS

- (a) Remove the 3 nuts, end cover, gasket and plunger.

NOTICE:

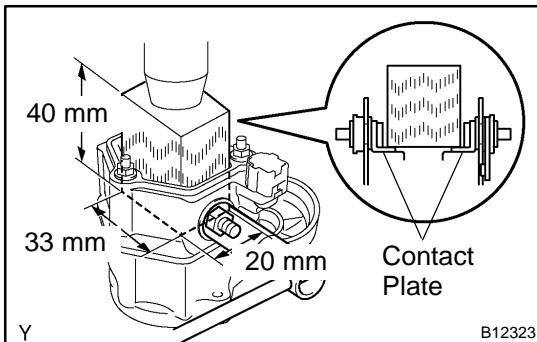
Do not loosen the 3 stud bolts.



- (b) Using vernier calipers, measure the contact plate for depth of wear.

Maximum wear: 0.9 mm (0.035 in.)

If the depth of wear is greater than the maximum, replace the contact plate.



- (c) Remove the terminal kit parts.
(1) Put a wooden block on the contact plate and press it down with a hand press.

Dimensions of wooden block:

20 x 33 x 40 mm (0.79 x 1.30 x 1.57 in.)

Press force: 981 N (100 kgf, 221 lbf)

NOTICE:

- Check the diameter of the hand press ram. Then calculate the gauge pressure of the press when 981 N (100 kgf, 221 lbf) of force is applied.

Gauge pressure:

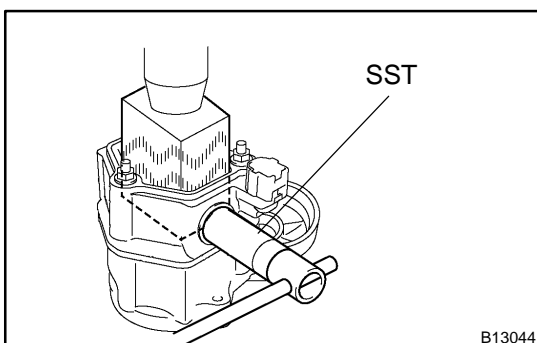
$$(\text{kgf/cm}^2) = \frac{100 \text{ kgf}}{\left(\frac{\text{Ram diameter (cm)}}{2} \right)^2 \times 3.14 (\pi)}$$

$$(\text{psi}) = \frac{221 \text{ lbf}}{\left(\frac{\text{Ram diameter (in.)}}{2} \right)^2 \times 3.14 (\pi)}$$

$$(\text{kPa}) = (\text{kgf/cm}^2) \times 98.1$$

$$(\text{kPa}) = (\text{psi}) \times 6.9$$

- If the contact plate is not pressed down with the specified pressure, the contact plate may tilt due to coil deformation or the tightening of the nut.



- (2) Using SST, loosen the terminal nuts.

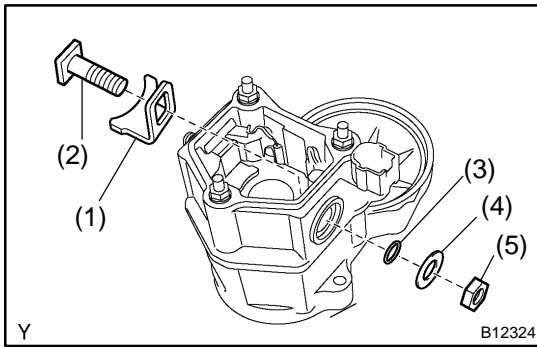
SST 09810-38140

- (3) Terminal C:

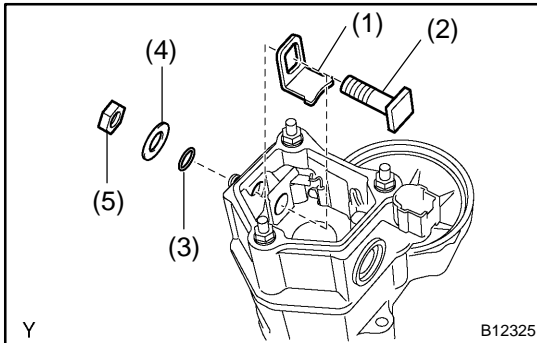
Remove the terminal nut, washer, O-ring, terminal bolt and contact plate.

- (4) Terminal 30:

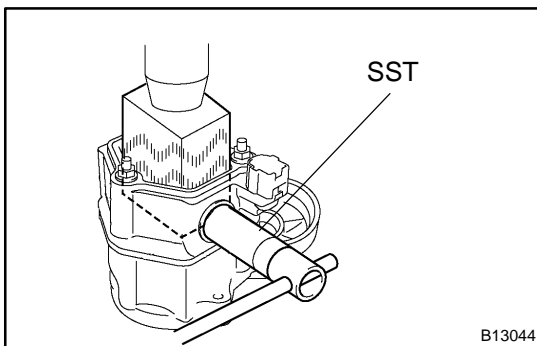
Remove the terminal nut, washer, O-ring, terminal bolt and contact plate.



- (d) Temporarily install these new terminal 30 kit parts:
- (1) Install the contact plate.
 - (2) Install the terminal bolt.
 - (3) Install the o-ring.
 - (4) Install the washer.
 - (5) Install the terminal nut.



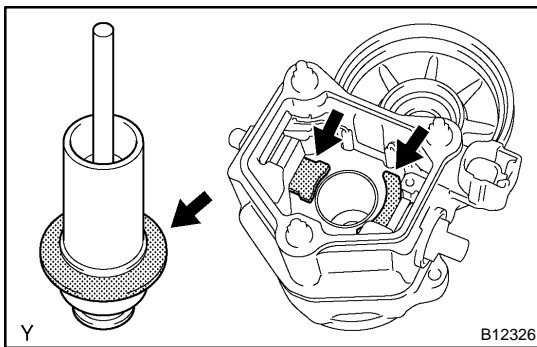
- (e) Temporarily install these new terminal C kit parts:
- (1) Install the contact plate.
 - (2) Install the terminal bolt.
 - (3) Install the o-ring.
 - (4) Install the washer.
 - (5) Install the terminal nut.
- (f) Temporarily tighten the terminal nuts.



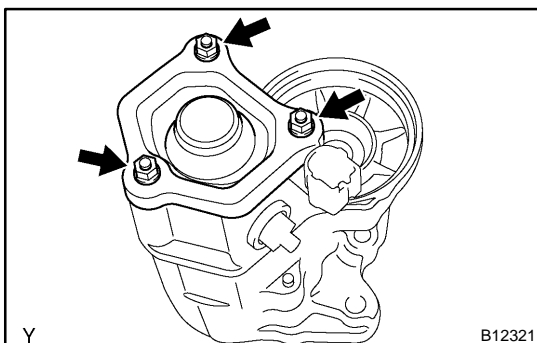
- (g) Tighten terminal nuts.
- (1) Put a wooden block on the contact plate and press it down with a hand press.
 - (2) Using SST, tighten the nuts to the specified torque.
SST 09810-38140
Torque: 17 N·m (173 kgf-cm, 13 ft-lbf)

NOTICE:

If the nut is over tightened, it may cause cracks on the plastic frame.



- (h) Clean the contact surfaces of the remaining contact plate and plunger with a dry shop rag.



- (i) Reinstall the plunger, a new gasket and end cover with the 3 nuts.
Torque: 3.6 N·m (37 kgf-cm, 32 in.-lbf)