

STARTING – STARTER

REPLACEMENT

1. REPLACE BEARINGS

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



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

- 2. REPLACE MAGNETIC SWITCH TERMINAL KIT PARTS
- (a) Remove the 3 bolts, end cover, gasket and plunger.



B00212



Using vernier calipers, measure the contact plate for

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

- SST B00410
- (c) Remove the terminal kit parts.
 - (1) Using SST, loosen the terminal nuts.
 - SST 09810-38140
 - (2) Terminal C:

Remove the terminal nut,wave washer, terminal insulator (outside), O-ring, terminal bolt, contact plate and terminal insulator (inside).

2000 MR2 (RM760U)

ST0FQ-03

(3) Terminal 30:

Remove the terminal nut, wave washer, terminal insulator (outside), packing, O-ring, terminal bolt, contact plate, and terminal insulator (inside).



- (d) Temporarily install a new terminal 30 kit parts.
 - (1) Install a terminal insulator (inside).
 - (2) Install a contact plate.
 - (3) Install a terminal bolt.
 - (4) Install a O-ring.
 - (5) Install a packing and terminal insulator (outside). Install the packing to the terminal insulator, and install them.

HINT:

Match the protrusion of the insulator with the indentation of the housing.

- (6) Install a wave washer.
- (7) Install a terminal nut.

NOTICE:

Be careful to install the terminal insulator in the correct direction.



- (e) Temporarily install new terminal C kit parts.
 - (1) Install a terminal insulator (inside).
 - (2) Install a contact plate.
 - (3) Install a terminal bolt.
 - (4) Install a O-ring.
 - (5) Install a terminal insulator (outside).
 - (6) Install a wave washer.
 - (7) Install a terminal nut.

NOTICE:

Be careful to install the terminal insulator (inside) in the correct direction.

(f) Temporarily tighten the terminal nuts.



(g) Tighten terminal nut.

(1) Put a wooden block on the contact plate and press it down with a hand press.

Dimensions of wooden block:

20 x 37 x 40 mm (0.79 x 1.46 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:



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, tighten the nuts to the specified torque.SST 09810–38140

Torque: 17 N·m (170 kgf·cm, 12 ft·lbf) NOTICE:

If the nut is over tightened, it may cause cracks on the inside of the insulator.

- (h) Clean contact surfaces of contact plate and plunger.
 Clean the contact surfaces of the remaining contact plate and plunger with a dry shop rag.
 - (i) Reinstall magnetic switch end cover. Install the plunger, new gasket, end cover with the 3 bolts.
 Torque: 2.5 N-m (26 kgf-cm, 23 in.-lbf)



