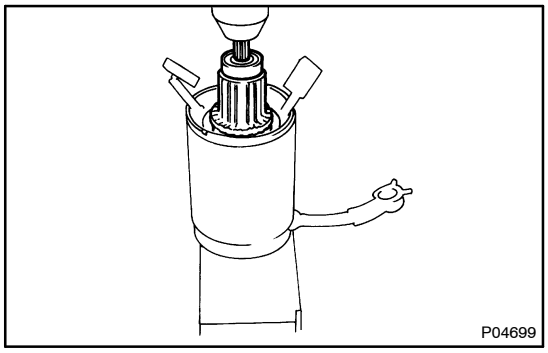
ST0BO–02

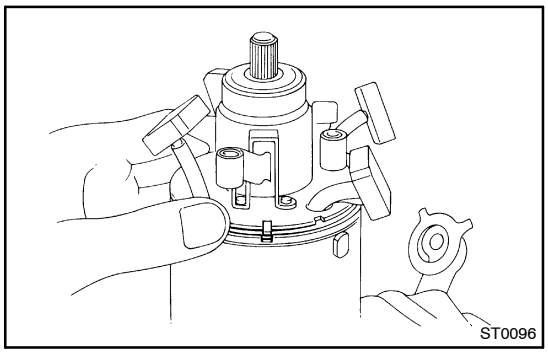
REASSEMBLY

HINT:
Use high–temperature grease to lubricate the bearings and gears when assembling the starter.



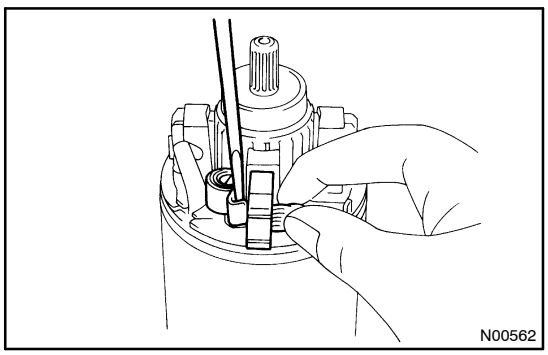
1. PLACE ARMATURE INTO FIELD FRAME

(a) Apply a grease to the armature bearings.
(b) Using a press, press the armature into the field frame.



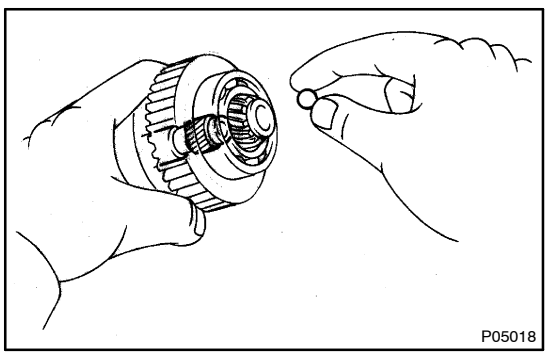
2. INSTALL BRUSH HOLDER

(a) Align the claw of the brush holder with the claw groove of the field frame.
(b) Place the brush holder on the field frame.



(c) Using a screwdriver, hold the brush spring back, and connect the brush into the brush holder. Contact the 4 brushes.

NOTICE:
Check that the positive (+) lead wires are not grounded.

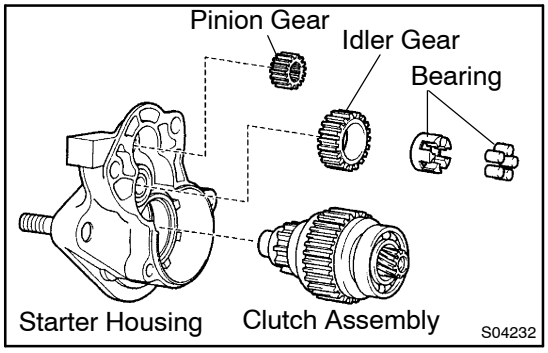


3. INSERT STEEL BALL INTO CLUTCH SHAFT HOLE

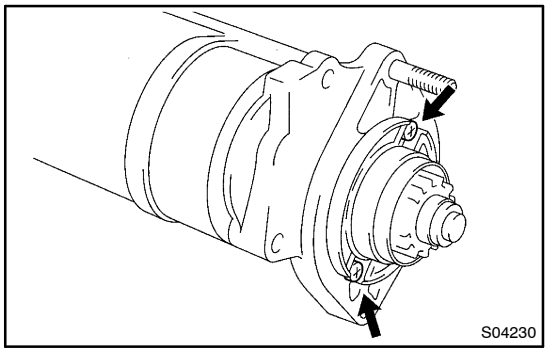
(a) Apply grease to the steel ball.
(b) Insert the steel ball into the clutch shaft hole.

4. INSTALL STARTER HOUSING, CLUTCH ASSEMBLY AND GEARS

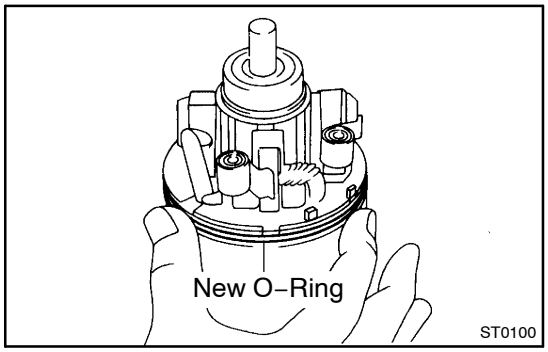
(a) Apply grease to the return spring.
(b) Insert the return spring into the magnetic switch hole.



(c) Place the starter housing, pinion gear, bearing, idler gear and clutch assembly on the starter housing.

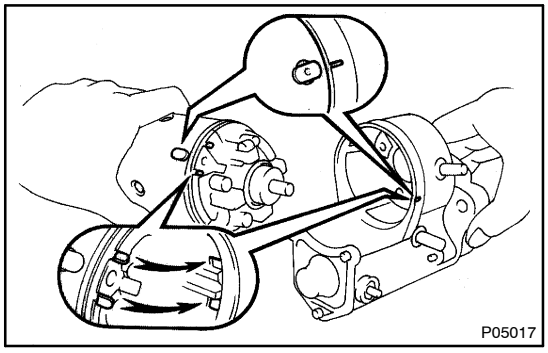


(d) Assemble the starter housing and magnetic switch assembly and install the 2 screws.
Torque: 9.3 N·m (95 kgf·cm, 82 in.·lbf)



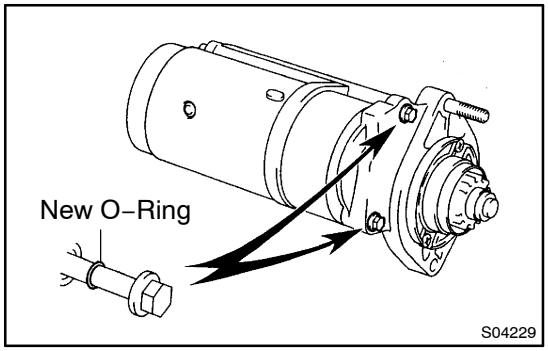
5. INSTALL FIELD FRAME AND ARMATURE ASSEMBLY

(a) Place a new O–ring in position on the field frame.



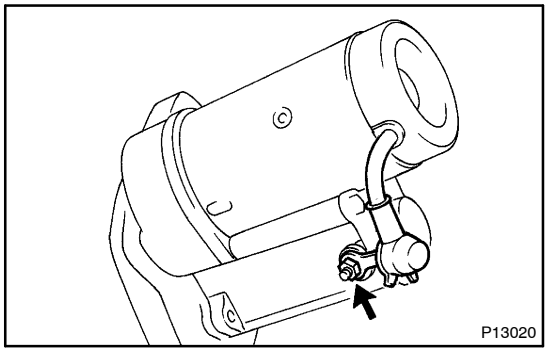
(b) Align the claws of the brush holder with the grooves of the magnetic switch, and install the field frame and armature shaft assembly.

(c) Align the punch mark of the field frame with the line of the magnet switch.



(d) Install a new O–rings to the through bolts.

(e) Install the field frame and armature assembly with the 2 through bolts.
Torque: 12.7 N·m (130 kgf·cm, 9 ft·lbf)



(f) Connect the lead wire to terminal C, and install the nut.
Torque: 5.9 N·m (60 kgf·cm, 52 in.·lbf)