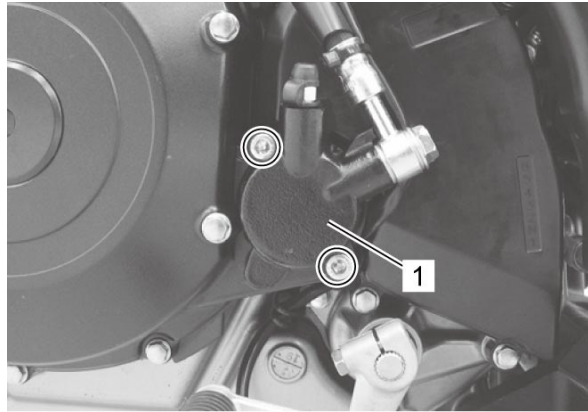




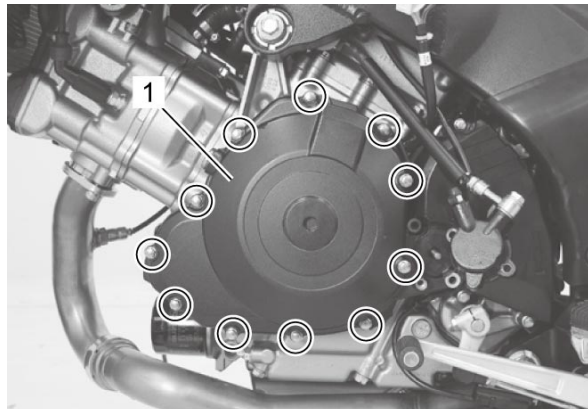
## Starter Torque Limiter / Starter Clutch Removal and Installation

### Removal

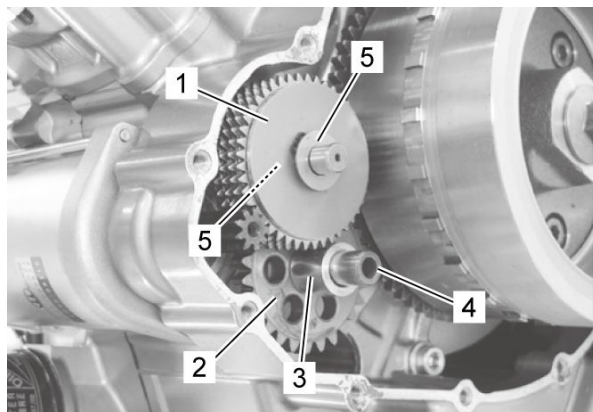
- 1) Drain the engine oil.
- 2) Remove the clutch release cylinder (1).



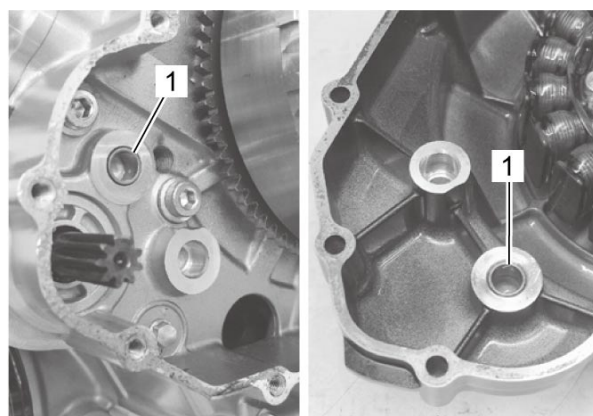
- 3) Remove the generator cover (1).




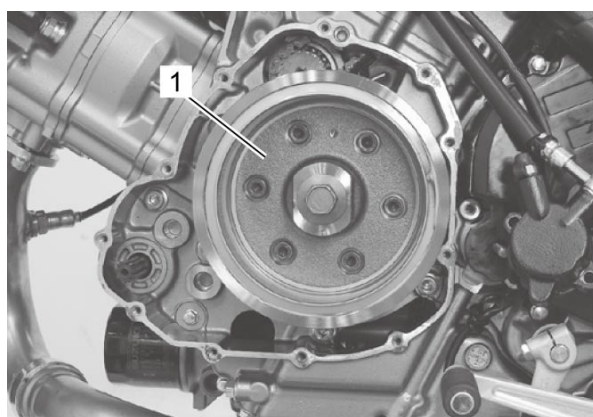
- 4) Remove the starter torque limiter (1), starter idle gear (2), spacer (3), shaft (4) and washers (5).



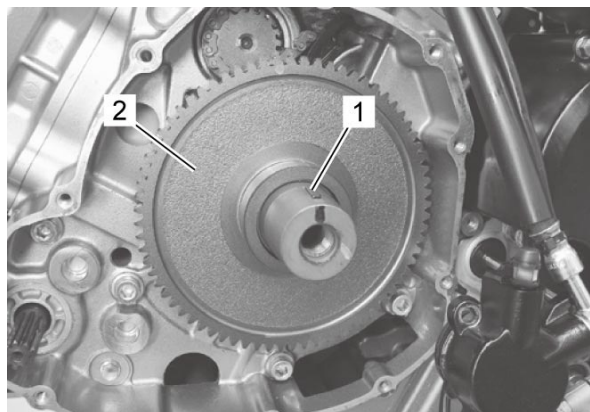
**5)** Remove the bushings (1) from the crankcase and generator cover.



**6)** Remove the generator rotor (1). 



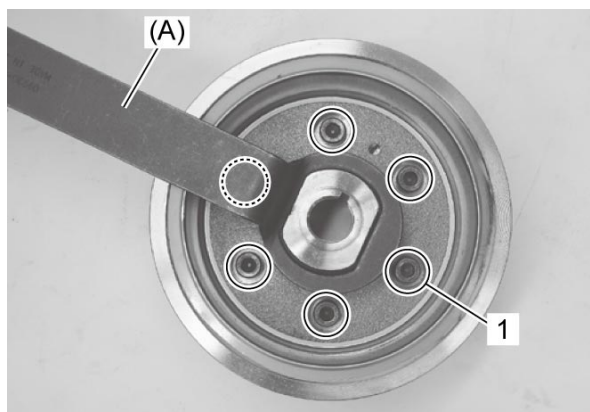
**7)** Remove the key (1) and starter driven gear (2).



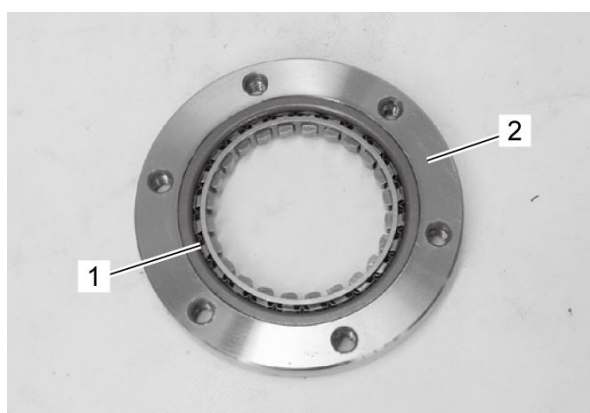
- 8)** Hold the generator rotor with the special tool and remove the starter clutch bolts (1).

**Special Tool**

**(A): 09930-44541**



- 9)** Remove the one way clutch (1) from the guide (2).



## Installation

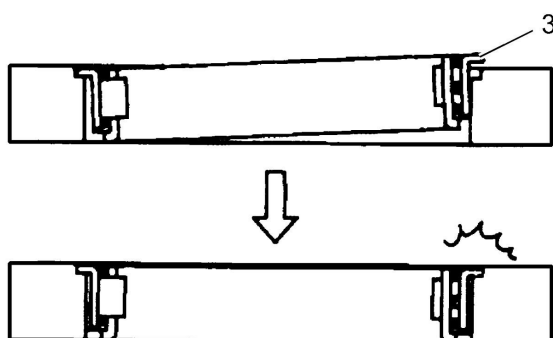
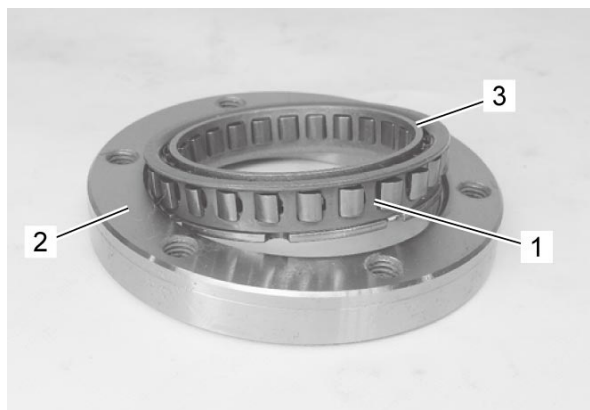
**Reference: Starter Clutch Inspection**

Install the starter clutch and starter torque limiter in the reverse order of removal. Pay attention to the following points:

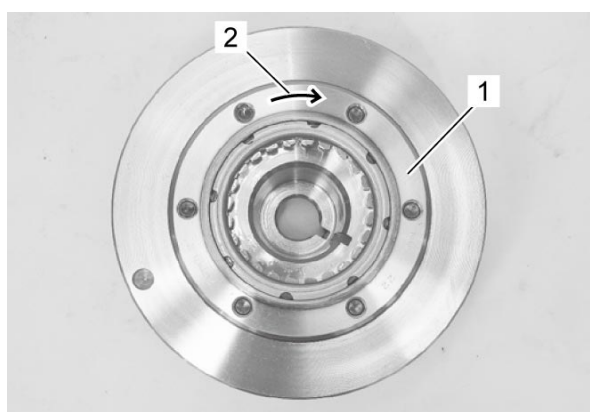
- Apply engine oil to the one way clutch (1).
- When inserting the one way clutch (1) into the guide (2), fit the flange (3) in the step of the guide (2).

**NOTE:**

**Be sure to seat the flange (3) of the one way clutch (1) to the guide (2).**



- Install the guide (1) to the generator rotor with the arrow mark (2) faced upward.



- Apply thread lock to the bolts (1), and then tighten them to the specified torque with the special tool.

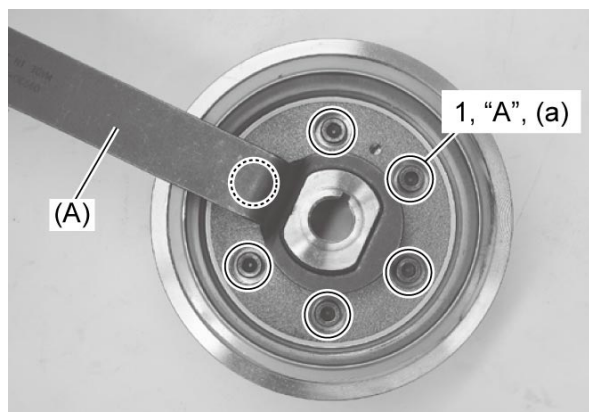
**"A": Thread lock cement 99000-32030 (THREAD LOCK CEMENT 1303B)**

**Special Tool**

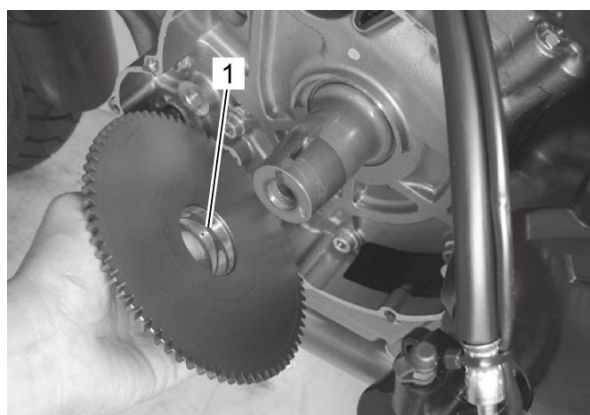
**(A): 09930-44530**

**Tightening torque**

**Starter clutch bolt (a): 25 N·m (2.5 kgf-m, 18.0 lbf-ft)**



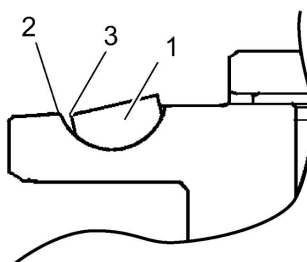
- Apply engine oil to the bushing (1) of the starter driven gear.

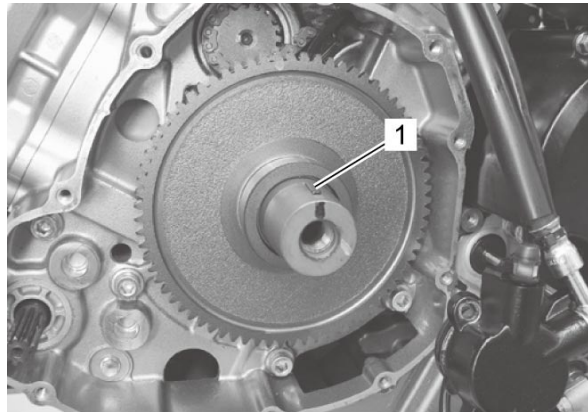


- Fit the key (1) in the key slot on the crankshaft.

**NOTE:**

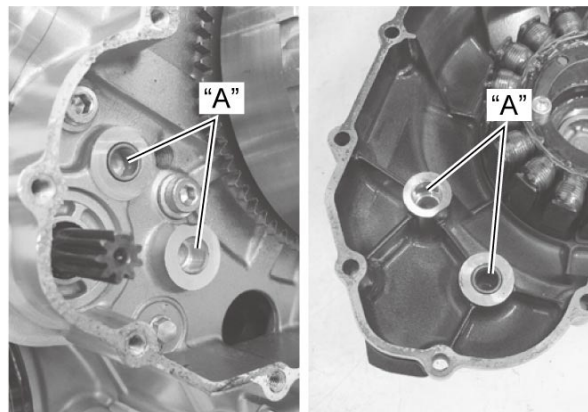
**Align the crankshaft surface (2) and the edge (3) of key (1).**



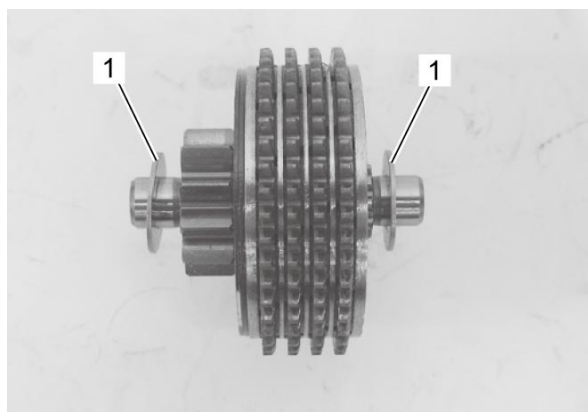


- Apply molybdenum oil solution to the starter idle gear shaft holes, and inside of bushings.

**"A": Assembly lubrication (Molybdenum oil solution)**



- Fit the washers (1) onto the starter torque limiter.



- Install the generator rotor onto crankshaft.