

5C



Clutch Installation

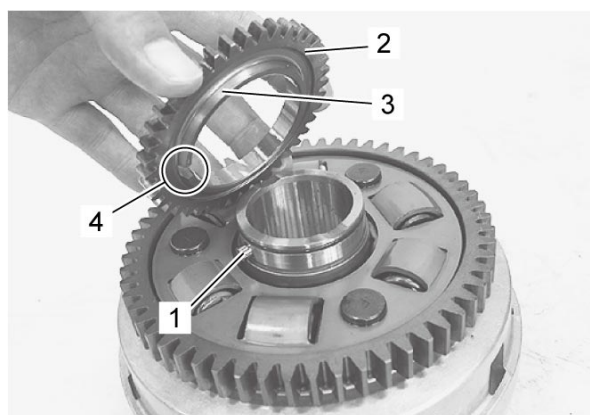
[Reference: Clutch Parts Inspection](#)

[Reference: Clutch Components](#)

- 1) Install the pin (1).
- 2) Install the oil pump drive gear (2) with the flange side (3) facing the primary driven gear assembly.

NOTE:

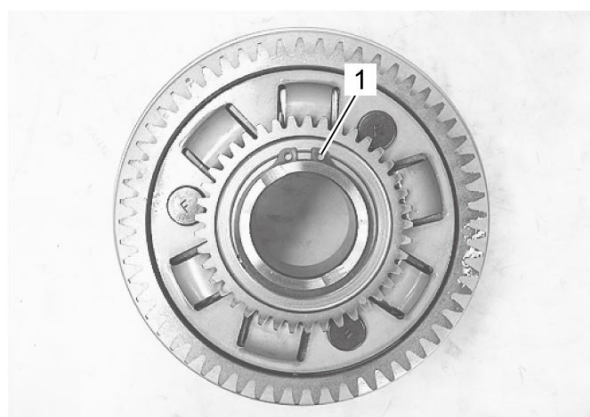
When installing the oil pump drive gear (2), align the pin (1) with the slot (4).



- 3) Install the new snap ring (1).

Special Tool

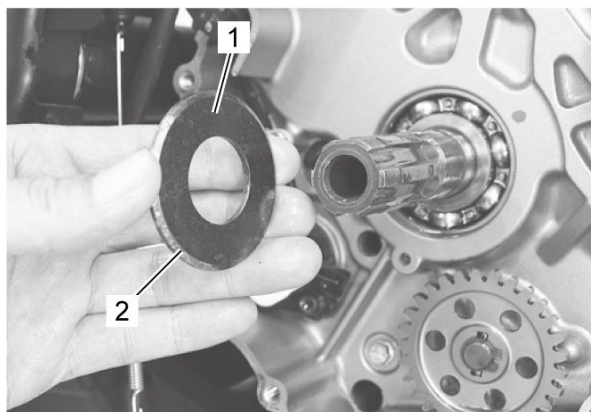
09900-06107



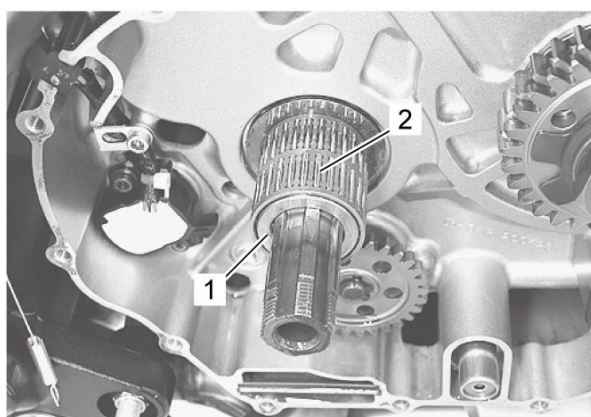
- 4) Install the thrust washer (1).

NOTE:

The tapered portion (2) of thrust washer (1) faces the crankcase side.



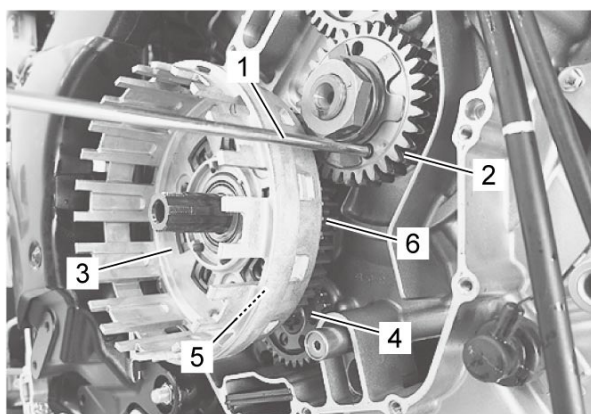
- 5) Install the spacer (1).
- 6) Apply engine oil to the bearing (2) and install it.



- 7) Insert a suitable bar (1) into the holes of primary drive gears (2) and align the teeth of scissors gears.
- 8) Install the primary driven gear assembly (3) onto the countershaft.

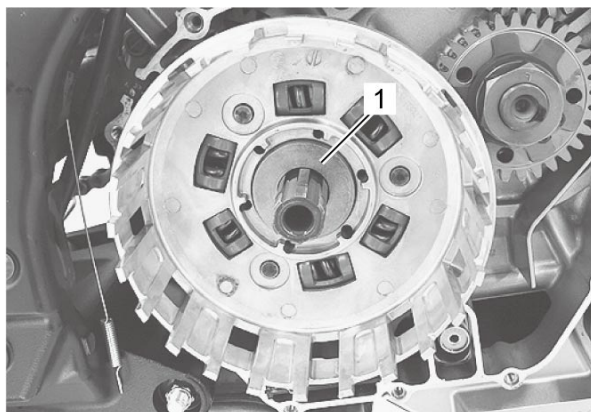
NOTE:

Be sure to engage the oil pump driven gear (4) and oil pump drive gear (5), primary drive gears (2) and primary driven gear (6).





- 9) Install the thrust washer (1).

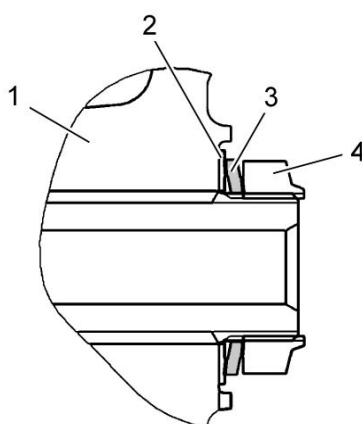
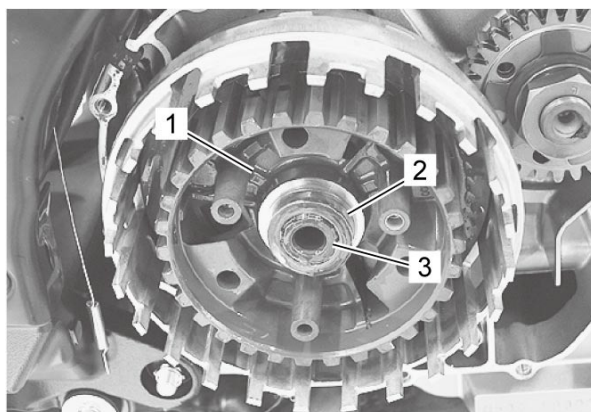


- 10) Install the clutch sleeve hub (1), washer (2) and conical spring washer (3).

NOTE:

The conical curve side of spring washer (3) faces outside.

- 11) Install the new clutch sleeve hub nut (4).





- 12)** Hold the clutch sleeve hub with the special tools and tighten the clutch sleeve hub nut (1) to the specified torque.

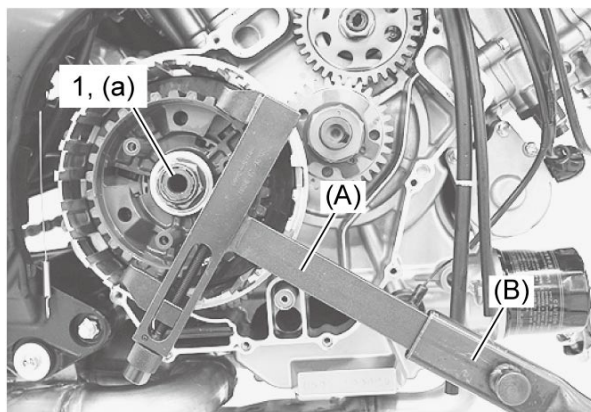
Special Tool

(A): **09920-53740**

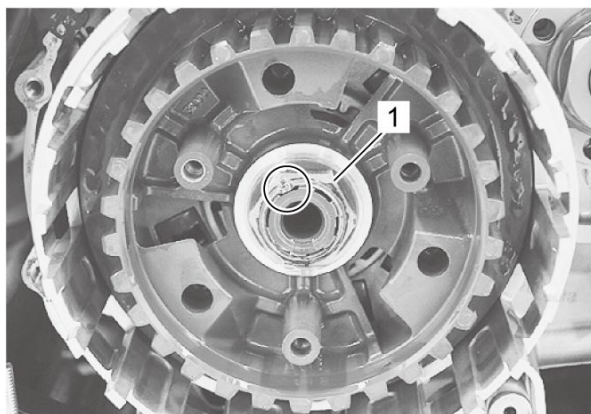
(B): **09920-31020**

Tightening torque

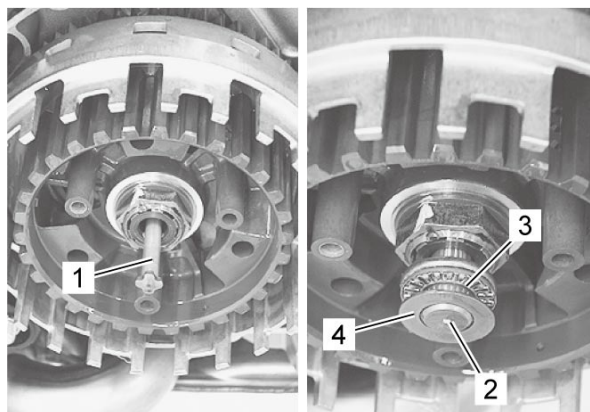
Clutch sleeve hub nut (a): 150 N·m (15.0 kgf-m, 108.5 lbf-ft)



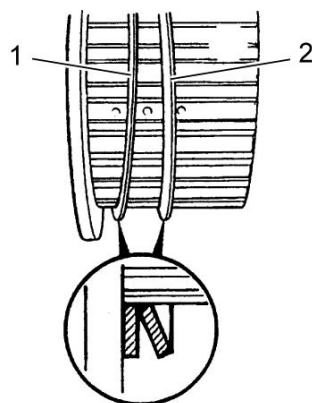
- 13)** Lock the clutch sleeve hub nut (1) with a center punch.



- 14)** Install the clutch push rod (right) (1) into the countershaft.
15) Install the clutch push piece (2), release bearing (3) and thrust washer (4) to the countershaft.

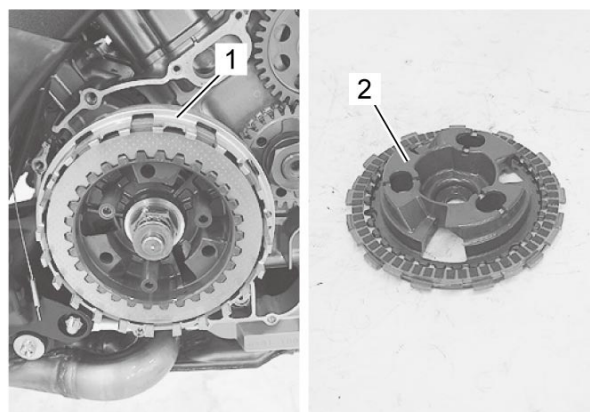


16) Install the spring washer seat (1) and spring washer (2) onto the clutch sleeve hub.



17) Apply engine oil to the clutch drive plates and driven plates.

18) Insert the clutch drive plates and driven plates one by one into the clutch sleeve hub (1) and clutch pressure plate (2) in the prescribed order.





Two kinds of the drive plate (No. 1 and No. 2) are equipped in the clutch system, they can be distinguished by the inside diameter "a".

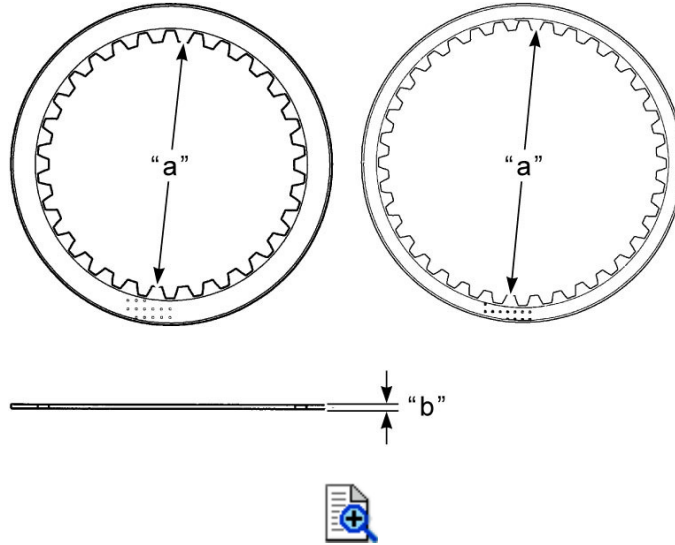


NOTE:

Four kinds of the driven plate (No. 1, No. 2, No. 3 and No. 4) are equipped in the clutch system, they can be distinguished by the inside diameter "a" and thickness "b".

The No. 1, No. 2, No. 3 and No. 4 driven plates are 8 pcs. in total.

5 – 7 pcs. of No. 1 driven plates are used with 1 pc. of No. 2, 2 – 0 pc(-s). of No. 3 driven plate(-s) and 2 – 0 pc(-s). of No. 4 driven plate(-s) as a set.

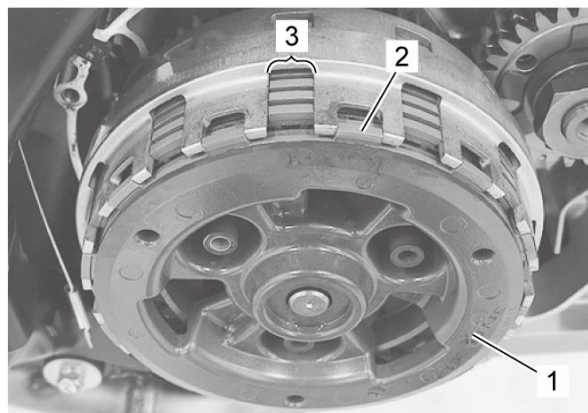


Driven plate	I.D. "a"	Thickness "b"
No. 1	115.5 mm (4.55 in)	2.0 mm (0.08 in)
No. 2	126.0 mm (4.96 in)	2.0 mm (0.08 in)
No. 3	115.5 mm (4.55 in)	1.6 mm (0.06 in)
No. 4	115.5 mm (4.55 in)	2.3 mm (0.09 in)

19) Install the clutch pressure plate (1) with the plates.

NOTE:

Insert the outermost drive plate (No. 2) claws (2) to the other slits (3) of clutch housing as shown.



20) Install the clutch springs, stopper plate (1) and clutch spring set bolts (2).

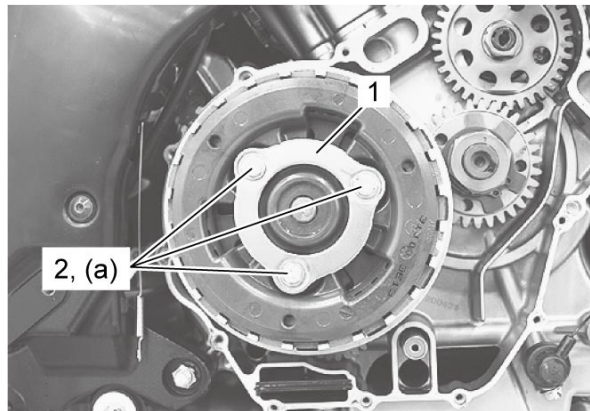
21) Tighten the clutch spring set bolts (3) to the specified torque.

NOTE:

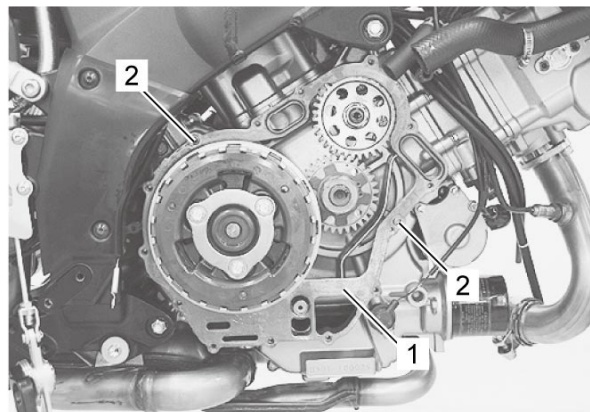
Tighten the clutch spring set bolts little by little and diagonally.

Tightening torque

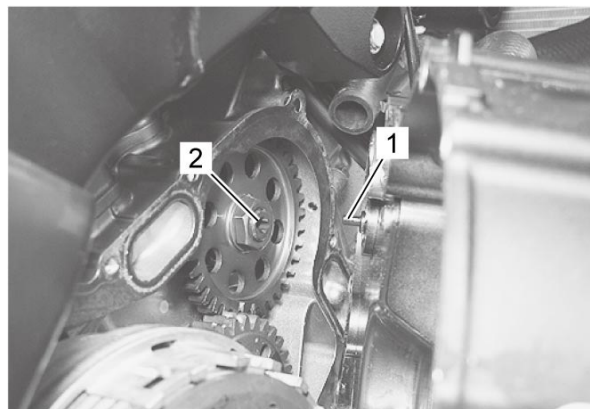
Clutch spring set bolt (a): 10 N·m (1.0 kgf-m, 7.5 lbf-ft)



22) Install the new gasket (1) and the dowel pins (2).



23) Install the clutch cover with the slot on the impeller shaft end (1) securely engaged with the groove (2) on the cam drive idle gear shaft.





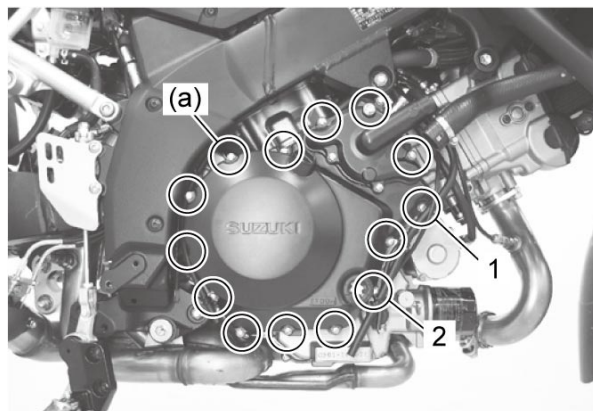
- 24)** Tighten the clutch cover bolts to the specified torque.

Tightening torque

Clutch cover bolt (a): 11 N·m (1.1 kgf-m, 8.0 lbf-ft)

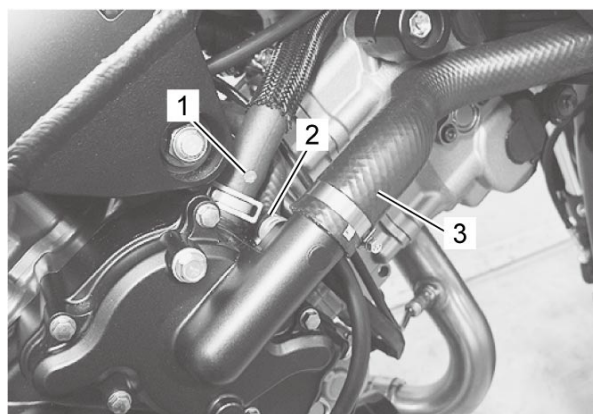
NOTE:

Fit the clamps to the bolt (1) and (2).



- 25)** Connect the PCV hose (1).

- 26)** Connect the water bypass hose (2) and radiator outlet hose (3).



- 27)** Pour engine oil.

- 28)** Pour engine coolant.

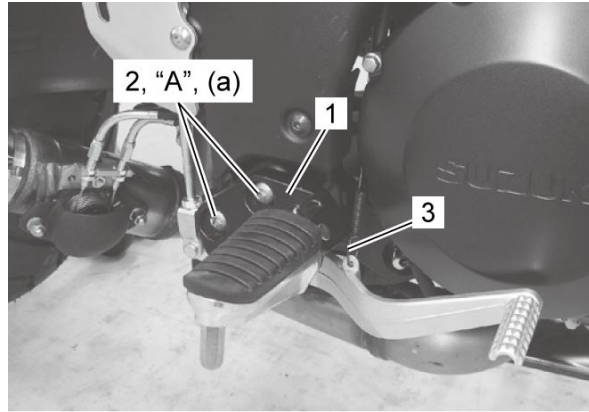
- 29)** Install the front footrest bracket (RH) (1) and tighten the front footrest bracket bolts (2) to the specified torque.

"A": Thread lock cement 99000-32150 (THREAD LOCK CEMENT 1322D)

Tightening torque

Front footrest bracket bolt (a): 26 N·m (2.6 kgf-m, 19.0 lbf-ft)

- 30)** Install rear brake light switch spring (3).



31) Adjust rear brake light switch. 