

1D

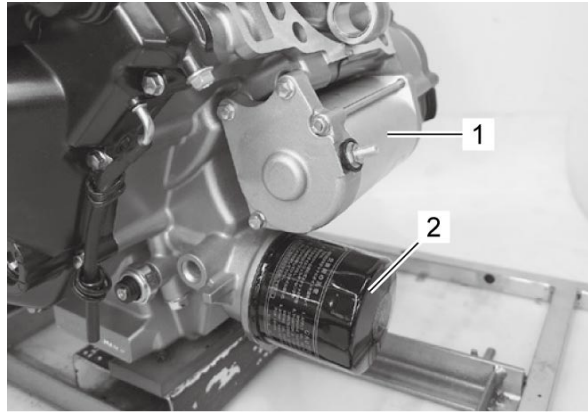


Crankcase Assembly Disassembly

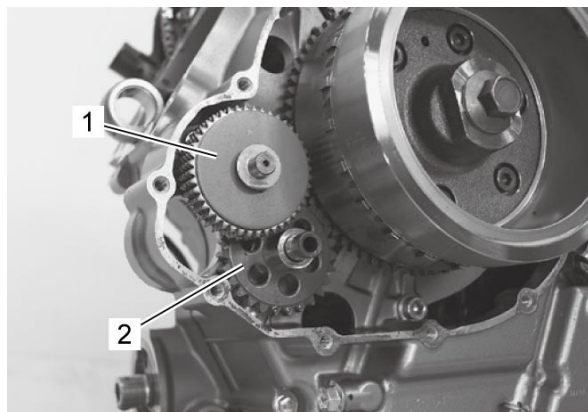
Refer to [Engine Assembly Removal](#) and [Piston Removal and Installation](#).

1) Remove the starter motor assembly (1).

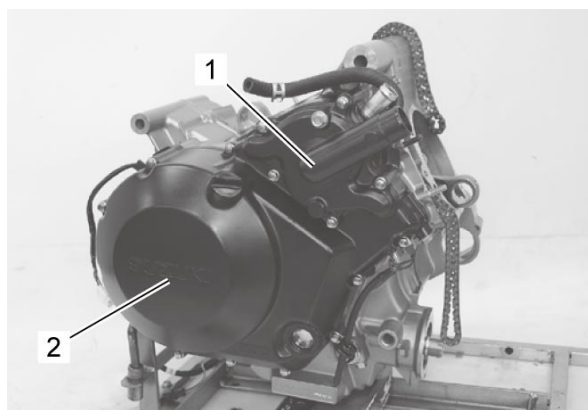
2) Remove the oil filter (2).



3) Remove the generator cover, starter torque limiter (1) and starter idle gear (2).

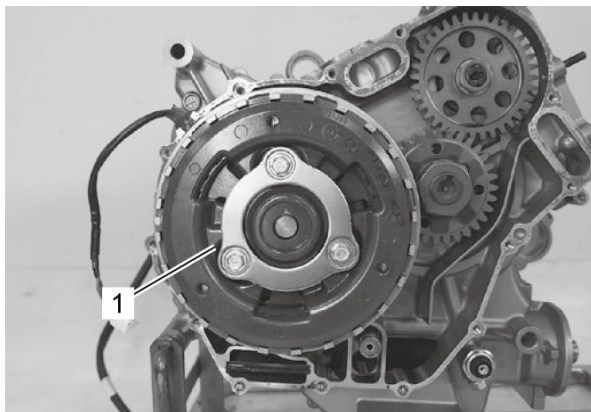


4) Remove the water pump case (1) and clutch cover (2).

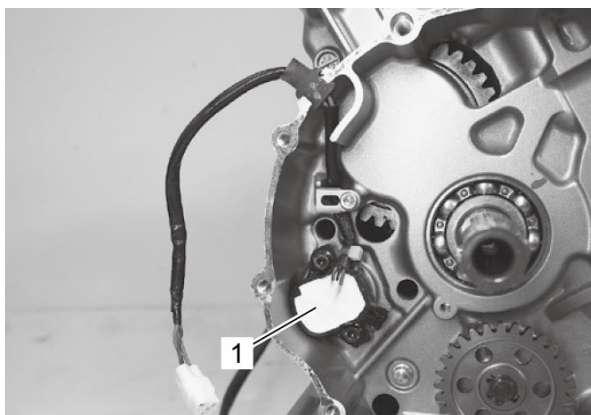




5) Remove the clutch component parts (1).

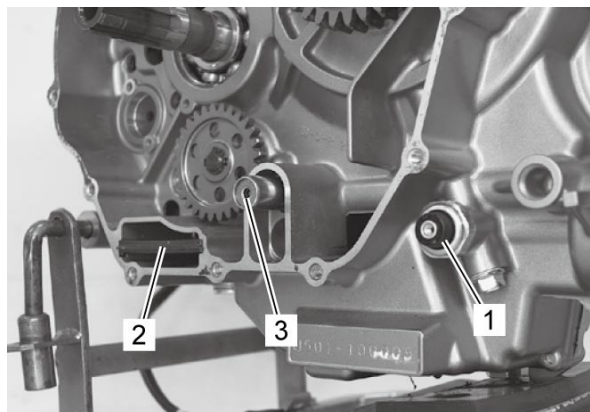


6) Remove the GP switch (1).



7) Remove the oil pressure switch (1).

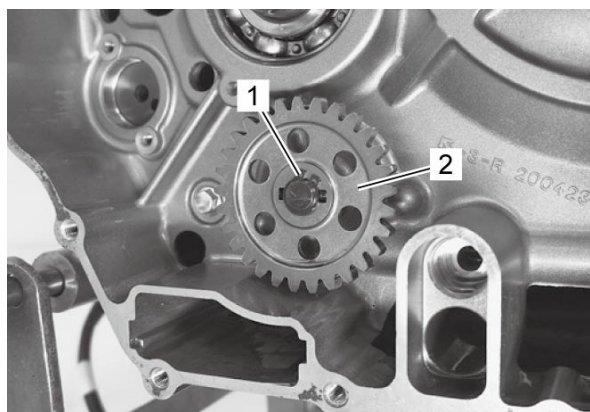
8) Remove the oil strainer (2) and oil pressure regulator (3).



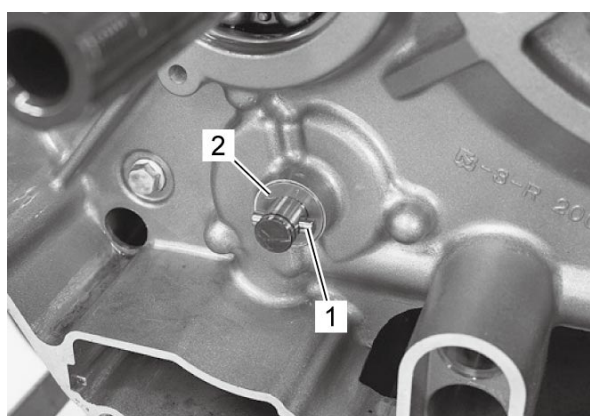
9) Remove the snap ring (1) and oil pump driven gear (2).

Special Tool

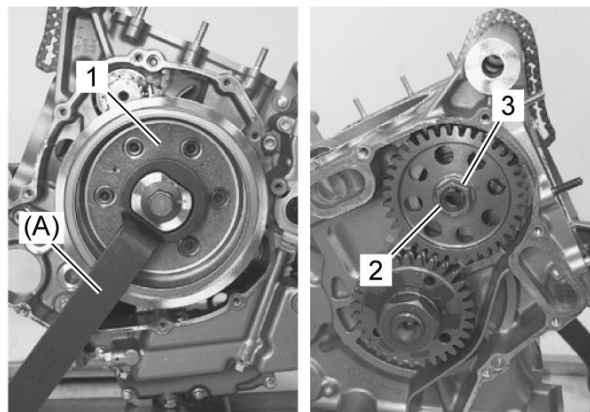
09900-06107



10) Remove the pin (1) and washer (2).

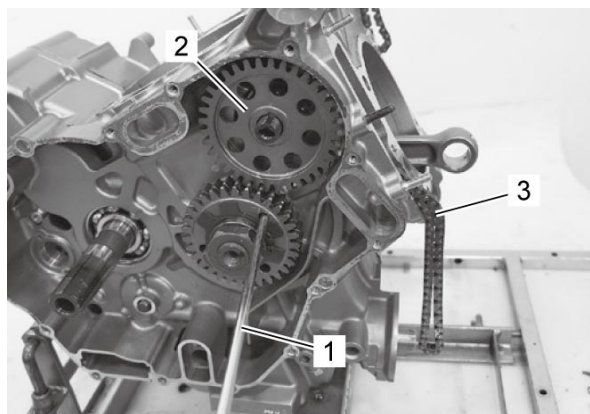


11) Hold the generator rotor (1) with the special tool and remove the cam drive idle gear/sprocket No. 1 nut (2) and washer (3).

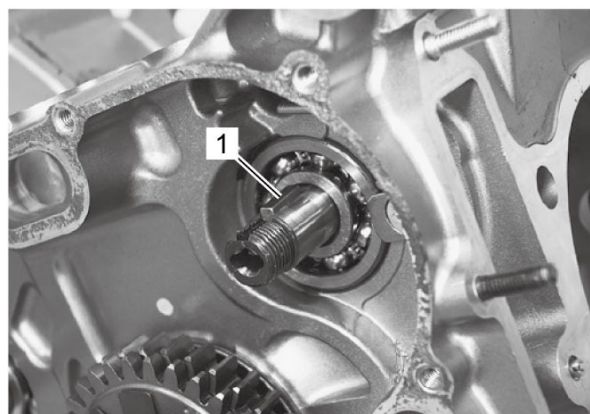
Special Tool**(A): 09930-44541**

12) Insert a suitable bar (1) into the holes of primary drive gears to align the teeth of scissors gears.

13) Remove the cam drive idle gear/sprocket No. 1 (2) and cam chain (3).



14) Remove the key (1).



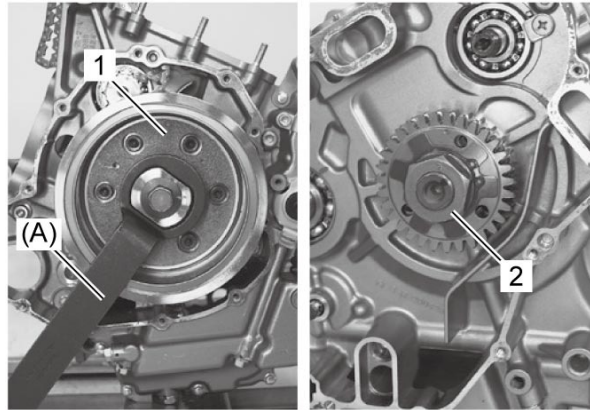
- 15)** Hold the generator rotor (1) with the special tool and remove the primary drive gear nut (2).

NOTE:

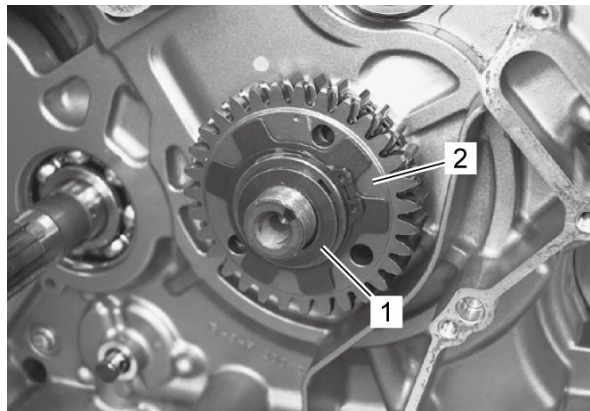
This primary drive gear nut (2) has left-hand threads.

Special Tool

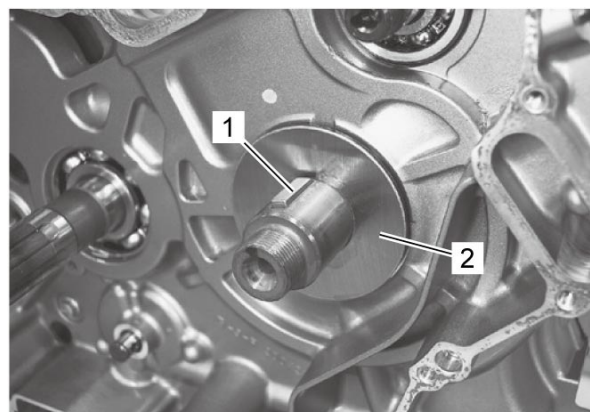
(A): 09930-44541



- 16)** Remove the conical spring washer (1) and primary drive gear assembly (2).



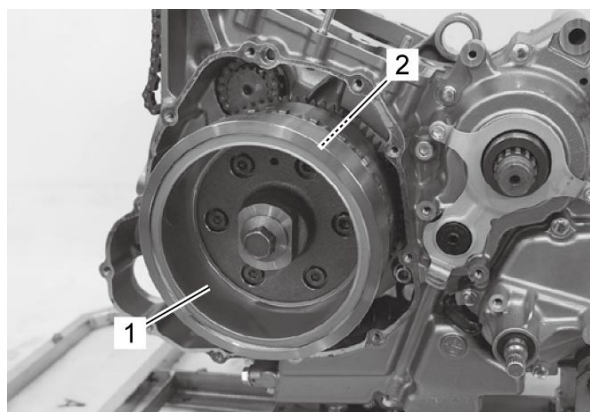
- 17)** Remove the key (1) and thrust washer (2).



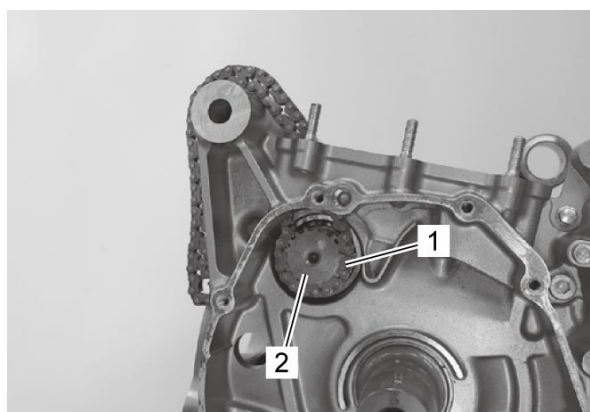


18) Remove the generator rotor (1).

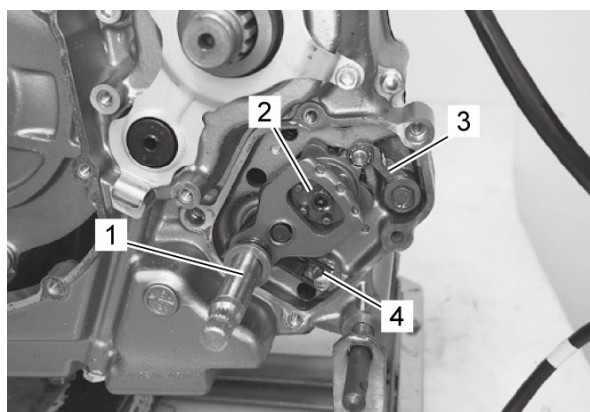
19) Remove the starter driven gear (2).



20) Remove the cam chain (1) and cam drive idle gear shaft (2).



21) Remove the gearshift cover, gearshift shaft assembly (1), gearshift cam plate (2), gearshift cam stopper (3) and gearshift arm stopper (4).





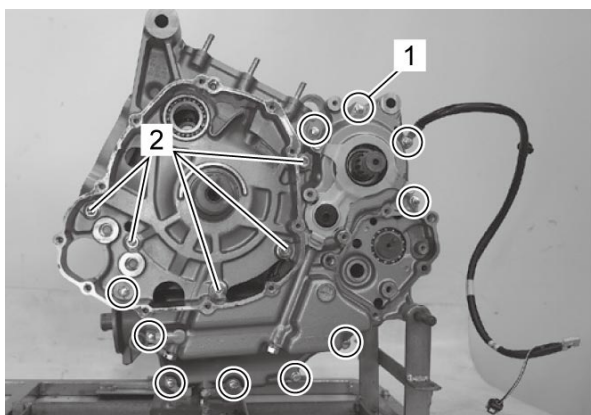
22) Remove the engine sprocket spacer (1).

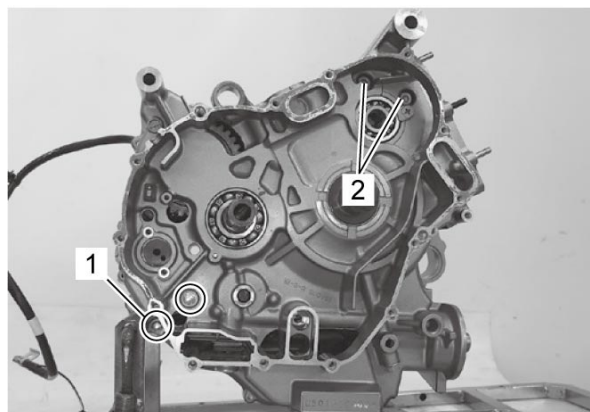


23) Remove the crankcase bolts (M6) (1) and (M8) (2).

NOTE:

Loosen the crankcase bolts diagonally with the smaller size first.





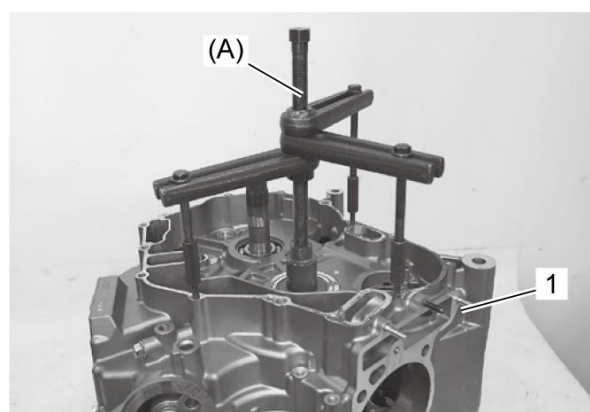
24) Remove the right crankcase (1) with the special tool.

NOTE:

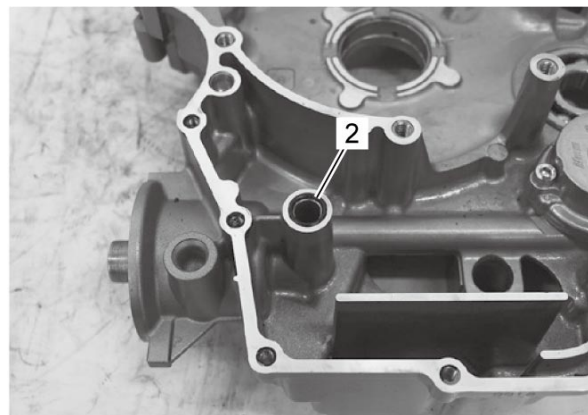
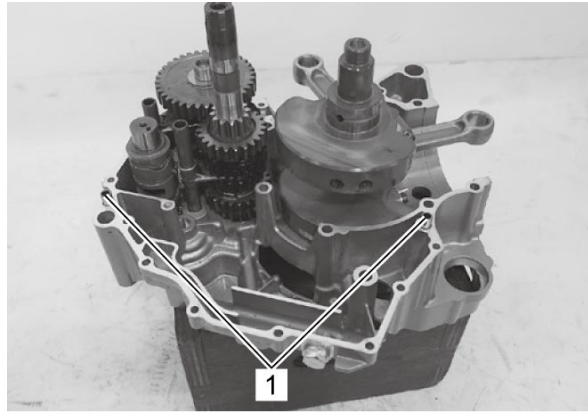
- Fit the crankcase separating tool, so that the tool arms are in parallel with the side of crankcase.
- The crankshaft and transmission components should remain in the left crankcase half.

Special Tool





(A): 09920-13120



25) Remove the dowel pins (1) and O-ring (2).



26) Remove the following parts from the crankcases.

- Crankshaft assembly: 
- Transmission component parts: 
- Oil pump: 
- Left crankcase bearings and oil seals: 
- Right crankcase bearing: 