

5B



Countershaft Assembly / Driveshaft Assembly Disassembly and Reassembly

Refer to [Transmission Removal and Installation](#).

[Reference: Transmission Components](#)

[Reference: Transmission Construction](#)

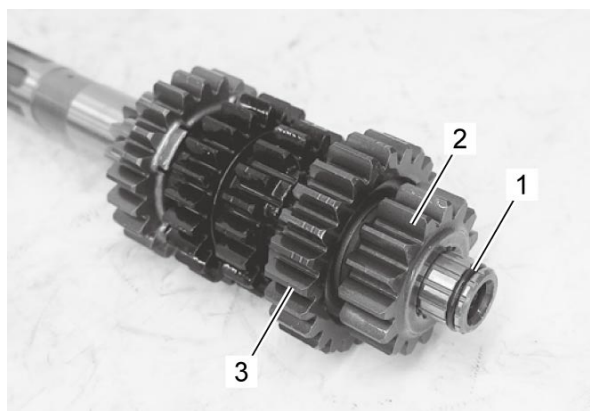
Disassembly

NOTE:

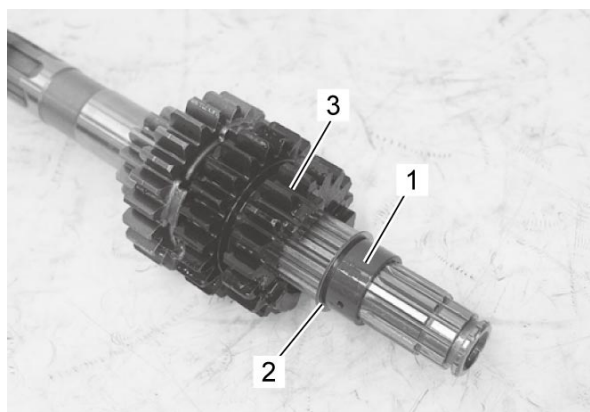
Identify the position of each removed part. Organize the parts in their respective groups (i.e., drive or driven) so that they can be reinstalled in their original positions.

Countershaft

- 1)** Remove the O-ring (1), 2nd drive gear (2) and 6th drive gear (3).



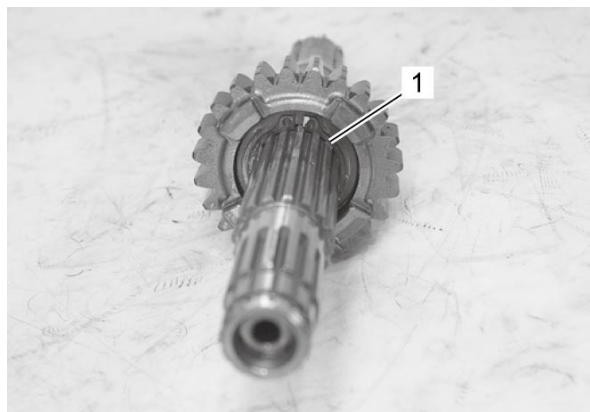
- 2)** Remove the 6th drive gear bushing (1), washer (2), and 3rd/4th drive gear (3).



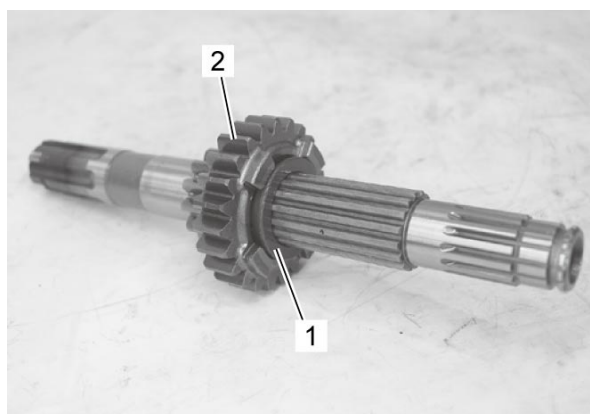
- 3)** Remove the snap ring (1).

Special Tool

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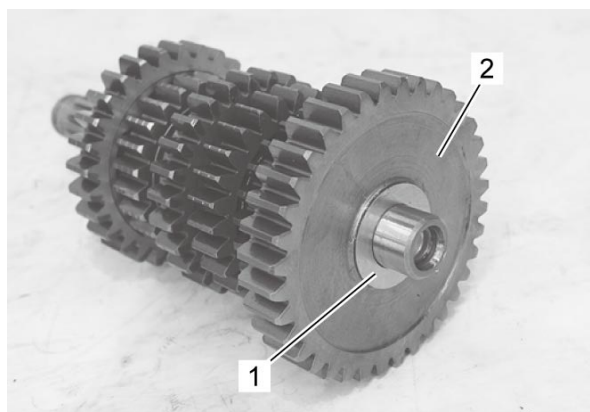


4) Remove the 5th drive gear bushing (1) and 5th drive gear (2).

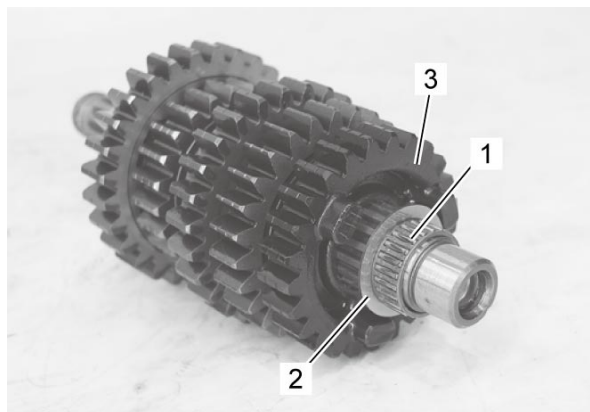


Driveshaft

1) Remove the washer (1) and 1st driven gear (2).



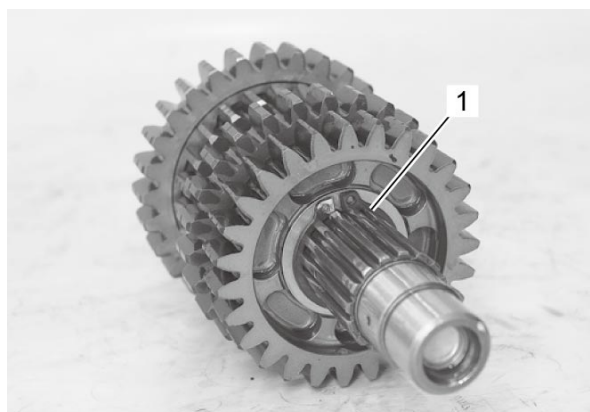
2) Remove the 1st driven gear bearing (1), washer (2) and 5th driven gear (3).



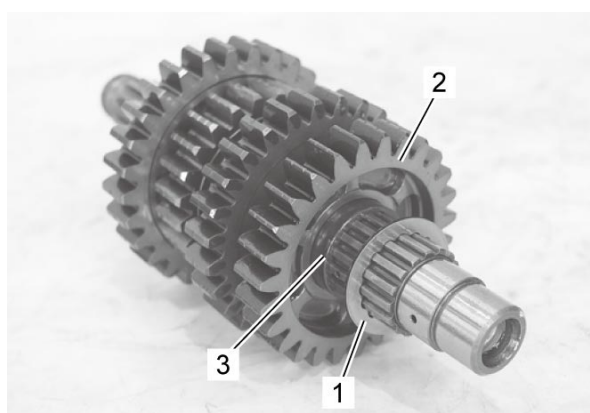
3) Remove the snap ring (1).

Special Tool

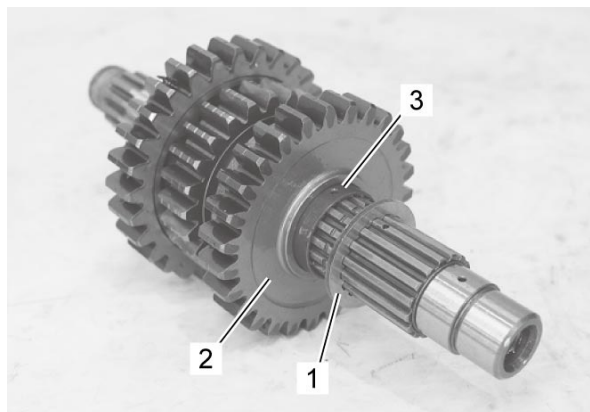
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4) Remove the washer (1), 4th driven gear (2) and 4th driven gear bushing (3).



5) Remove the washer (1), 3rd driven gear (2) and 3rd driven gear bushing (3).

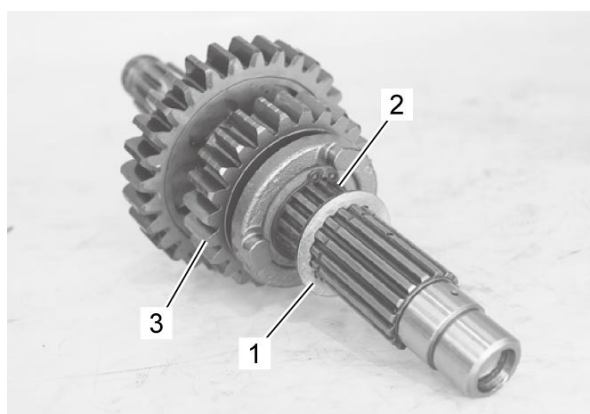


- 6)** Remove the washer (1) and snap ring (2).

Special Tool

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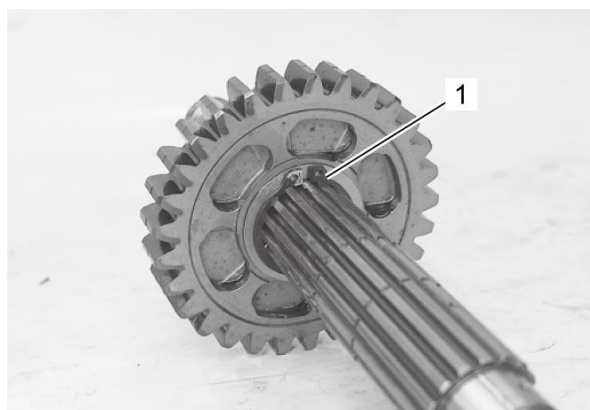
- 7)** Remove the 6th driven gear (3).



- 8)** Remove the snap ring (1).

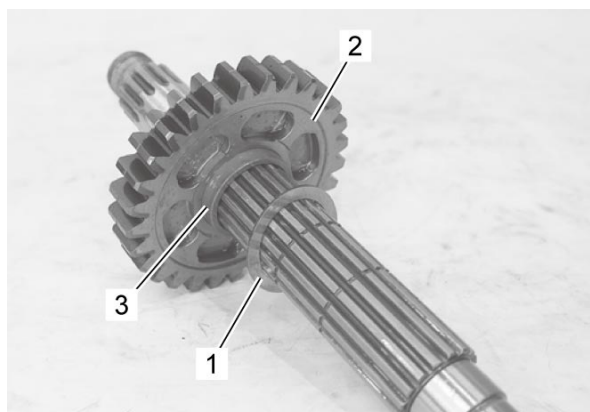
Special Tool

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- 9) Remove the washer (1), 2nd driven gear (2) and 2nd driven gear bushing (3).



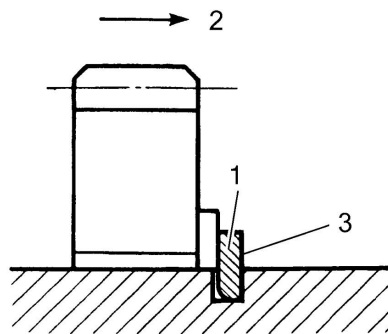
Reassembly

Reference: Gearshift Fork / Gearshift Cam Inspection

Reassemble the countershaft and driveshaft in the reverse order of disassembly. Pay attention to the following points:

NOTE:

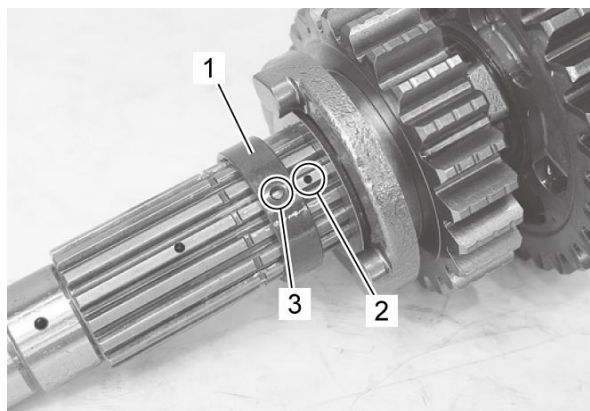
- When reassembling the transmission gears, attention must be given to the locations and positions of washers and snap rings. The cross sectional view shows the correct position of the gears, bushings, washers and snap rings. Refer to [Transmission Construction](#).
 - When installing a new snap rings, do not expand the end gap larger than required to slip the snap rings over the shaft.
 - After installing a snap rings, make sure that it is completely seated in its groove and securely fitted.
 - Rotate the bearing to inspect for abnormal noises and smooth rotation. Replace the bearing if there is anything unusual.
 - Before installing the gears, apply engine oil to each rotating and sliding part.
- When installing a new snap ring (1), pay attention to its direction. Fit it to the side where the thrust (2) is as shown in the illustration.



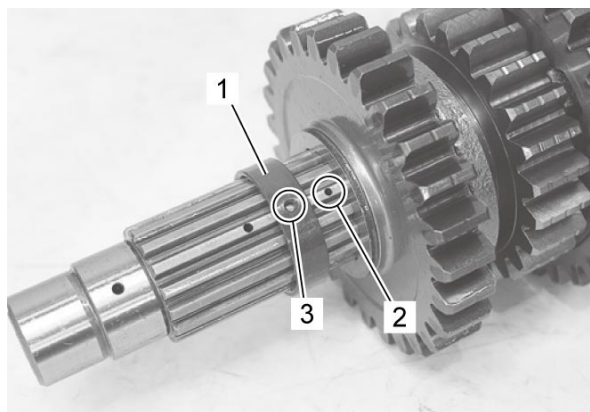
3.	Sharp edge
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Driveshaft

- When installing the 3rd driven gear bushing (1) onto the driveshaft, align the shaft oil hole (2) with the bushing oil hole (3).



- When installing the 4th driven gear bushing (1) onto the driveshaft, align the shaft oil hole (2) with the bushing oil hole (3).



Countershaft

- Apply grease to the new O-ring (1).

"A": Grease 99000-25011 (SUZUKI SUPER GREASE A)

