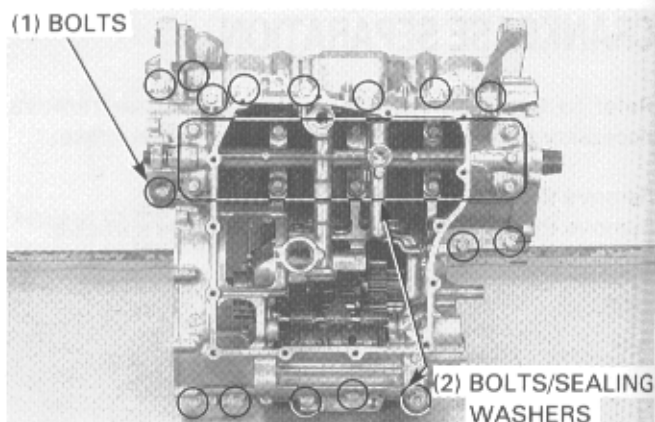
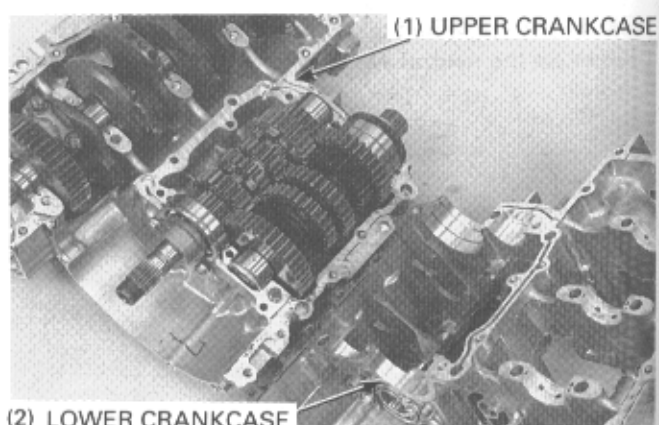


CRANKCASE/TRANSMISSION

Turn the engine upside down.
Loosen the lower crankcase bolts in a crisscross pattern from the outside to inside in several steps.
Remove the bolts and sealing washers.



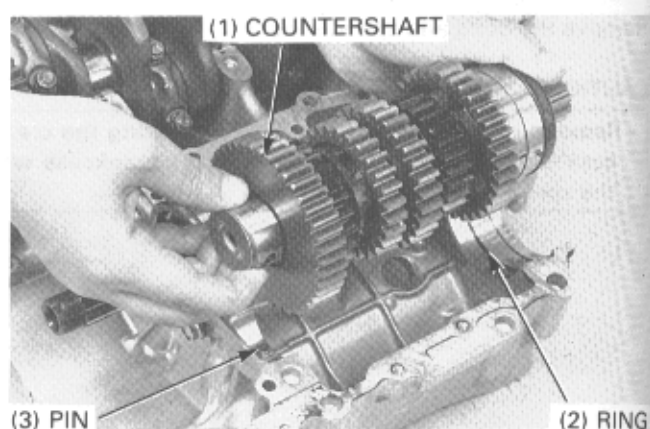
Remove the lower crankcase from the upper crankcase.
Note the direction of the oil orifices.
Remove the dowel pins and oil orifices.



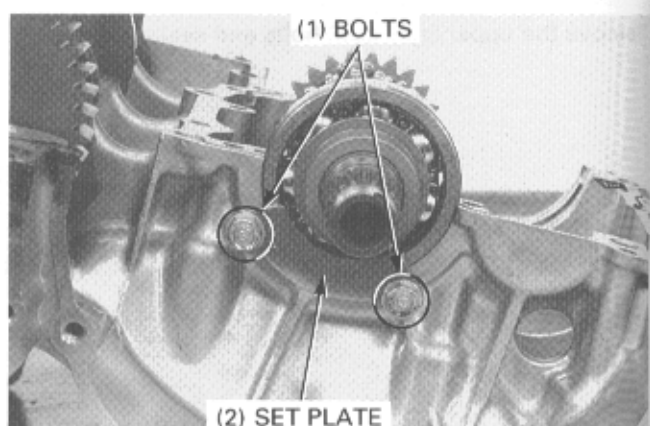
TRANSMISSION

REMOVAL

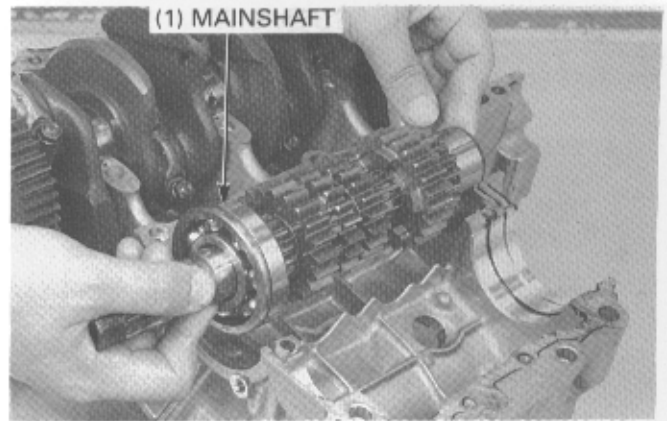
Remove the countershaft assembly.
Note the location of the pin and bearing ring.



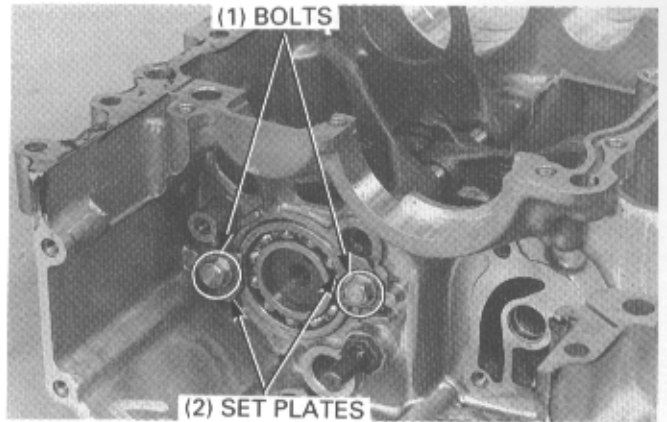
Remove the bolts and mainshaft set plate.



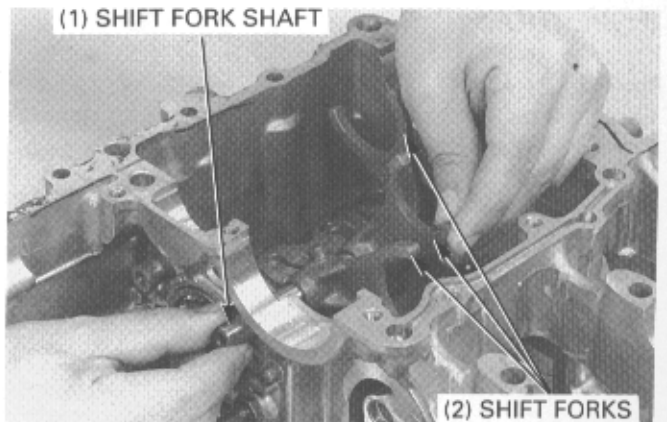
Remove the mainshaft assembly.



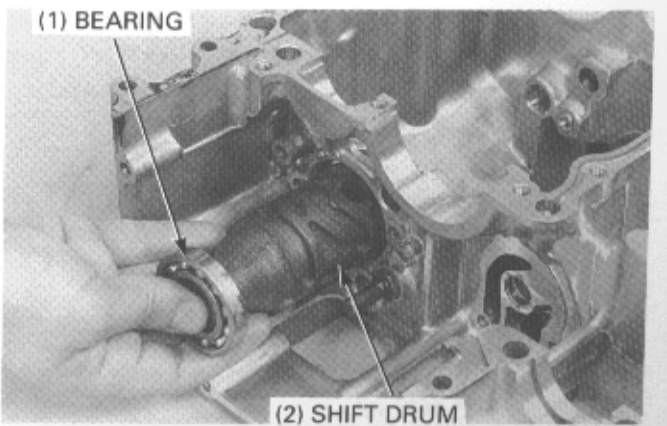
Remove the bolts and shift drum set plates.



Remove the shift fork shaft and shift forks.



Remove the shift drum bearing and shift drum.

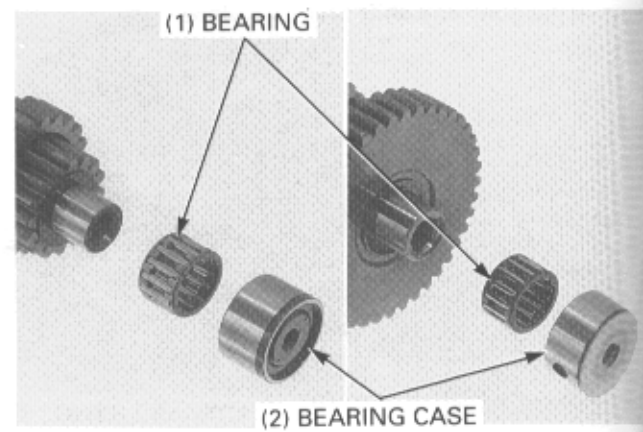
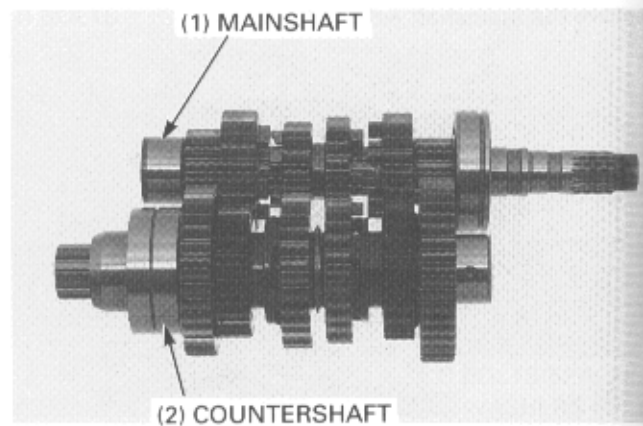


CRANKCASE/TRANSMISSION

TRANSMISSION DISASSEMBLY

Disassemble the mainshaft and countershaft.

Check the mainshaft and countershaft needle bearings for damage or excessive wear.



INSPECTION

GEARS

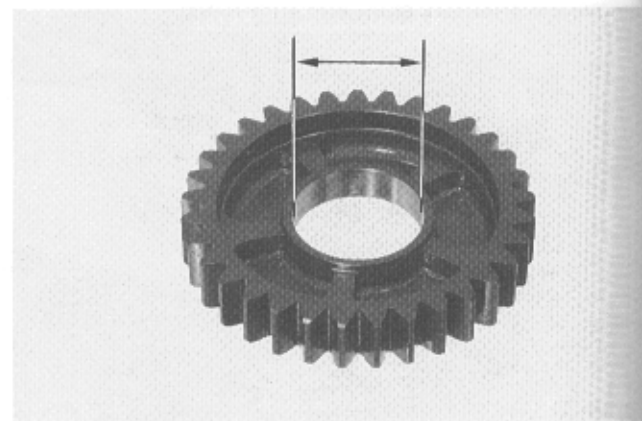
Check the gear dogs, dog holders and teeth for damage or excessive wear.

Measure the I.D. of each gear.

Service limits:

M5, M6: 28.04 mm (1.104 in)

C2, C3, C4: 31.04 mm (1.222 in)



BUSHINGS

Check the bushings for damage or excessive wear.

Measure the O.D. of each bushing.

Service limits:

M5, M6: 27.94 mm (1.100 in)

C3, C4: 30.93 mm (1.218 in)

C2: 30.94 mm (1.218 in)

Measure the I.D. of each bushing.

Service limits:

M5: 25.016 mm (0.9849 in)

C2: 28.021 mm (1.1032 in)

