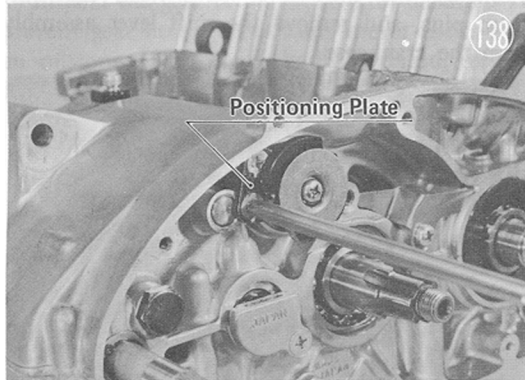Take out the mounting screws, and remove the positioning plate.

Positioning Plate

3) Overhaul

a. Return Spring

Check the spring tension, and replace the spring if it is weak or damaged; a bad spring will not return the shift pedal.

Return Spring

b. Set Lever Spring

Replace the spring if it is weak or damaged, as such a spring will not hold the set lever against the pins, and will reduce the stability of the drum.
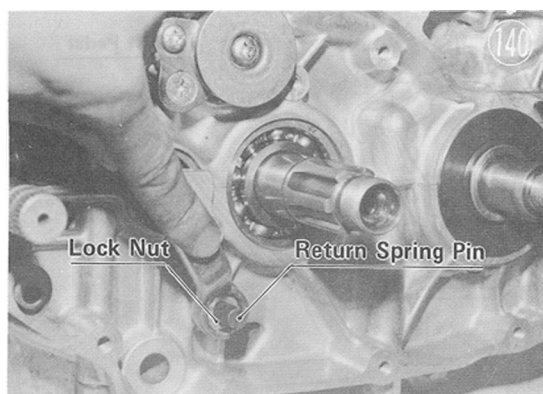
4) Assembly

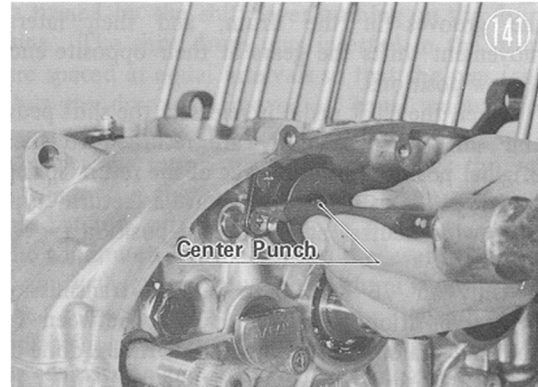Assembly is the reverse of disassembly. Be sure that all springs are installed correctly.

NOTE:

1. Return spring pin

If this pin loosens, the shift lever will not travel the correct distance. Lock the pin securely in place with the lock nut.

Lock Nut   Return Spring Pin

2. Positioning plate

To prevent the positioning plate from loosening and allowing drum movement along the shaft, punch the head of the mounting screw after tightening it.

Center Punch

10. CRANKCASE

The crankcase, which is divided into an upper and lower section, is made of die cast aluminium alloy. Two pins align the upper and lower sections, which are held together with studs and nuts, and the joint is sealed with liquid gasket (Kawasaki Bond).

Gasoline/air mixture from the carburetor is drawn into the crankcase, where it undergoes preliminary compression prior to entering the combustion chamber. For that reason each crank chamber in the crankcase is partitioned from the next by oil seals on the crankshaft, making each chamber independently pressure tight. To prevent leakage of the oil used for lubrication of the transmission gear, change drum, etc., oil seals are also pressed onto the left ends of the output and drive shafts. In addition, there is a breather hole in the transmission housing to prevent oil leakage by not allowing pressure to build up from the oil expansion as it warms up.

To take care of main bearing lubrication, an oil passage is provided in the upper crankcase. During assembly and disassembly, be careful that this passage does not become clogged.

1) Disassembly

Remove the output shaft oil receiver.

Oil Receiver