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## SERVICE INFORMATION

### GENERAL INSTRUCTIONS

- The gearshift spindle and stopper arms can be serviced with the engine in the frame.
- If the shift forks, drum or transmission require servicing, remove the engine and separate the crankcase.

### TORQUE VALUE

Gearshift pedal                      0.8-1.2 kg-m (6-9 ft-lb)

## TROUBLESHOOTING

### Hard to shift

1. Improper clutch adjustment; too much free play
2. Shift forks bent
3. Shift shaft bent
4. Shift claw bent
5. Shift drum cam grooves damaged

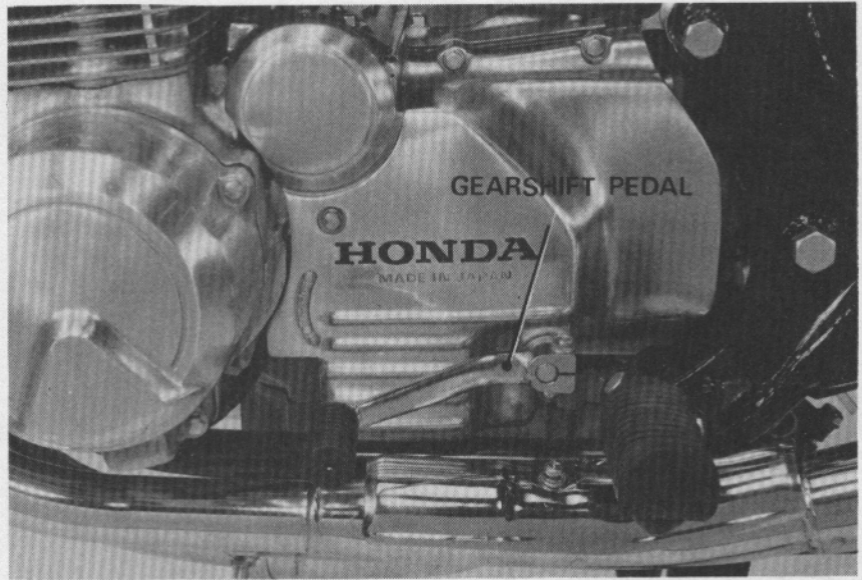
### Transmission jumps out of gear

1. Gear dogs worn
2. Shift shaft bent
3. Shift drum stopper broken
4. Shift forks bent



## GEARSHIFT PEDAL REMOVAL

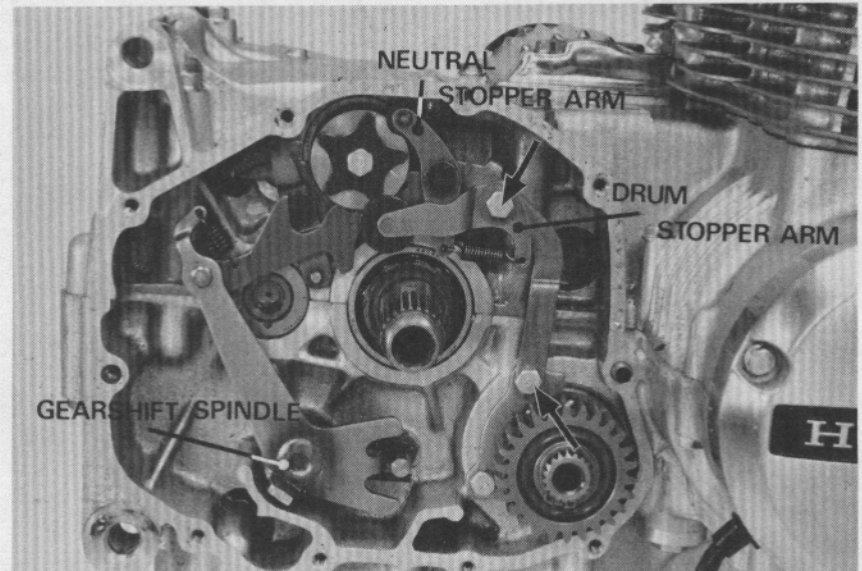
Remove the gearshift pedal bolt and gearshift pedal.



## GEARSHIFT LINKAGE REMOVAL

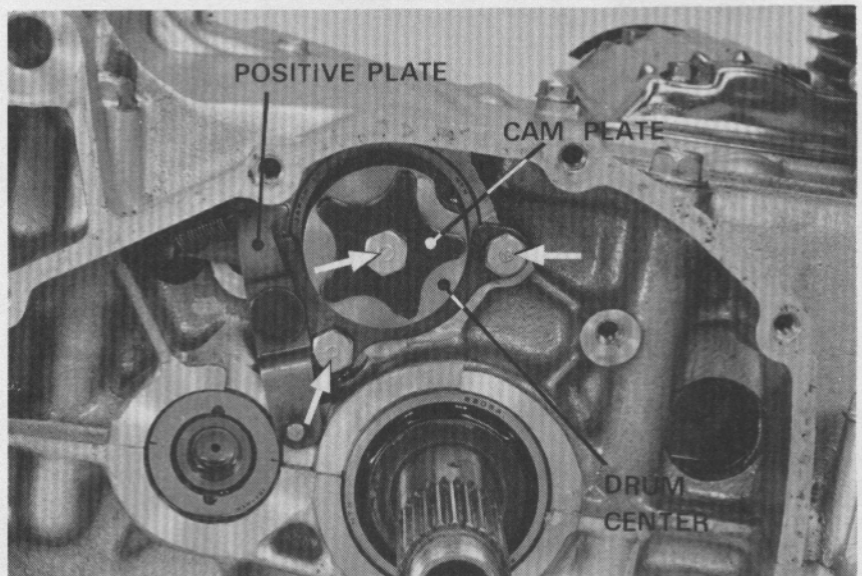
Drain the engine oil (Page 2-2).  
 Remove the clutch (Section 8).

Remove the neutral and drum stopper arm bolts and both arms.  
 Remove the gearshift spindle assembly.



Remove the positive plate bolts and plate.

Remove the stopper cam plate bolt, cam plate, drum center and drum pins.

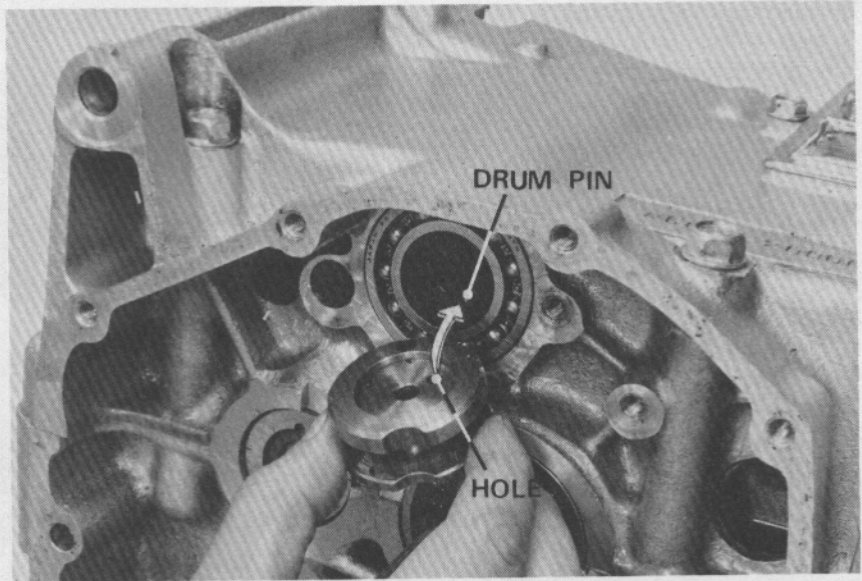




## GEARSHIFT LINKAGE INSTALLATION

Install the shift drum pin.

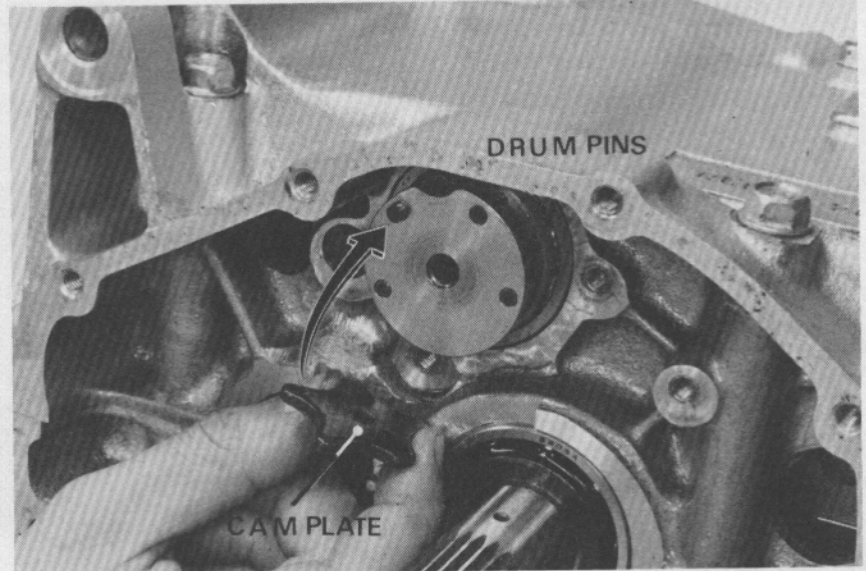
Align the hole in the drum center with the drum pin.



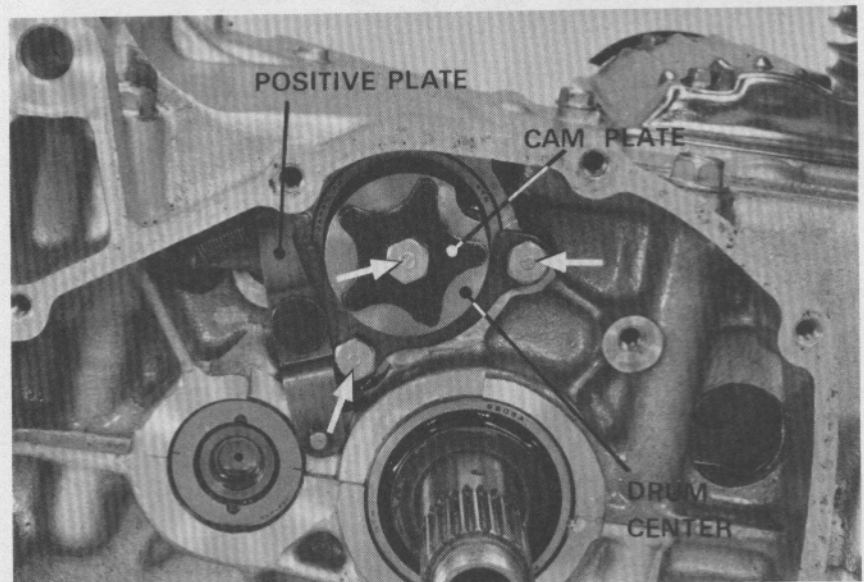
Install the drum plate.

Align the hole in the cam plate with the drum pin.

Tighten the bolt securely.



Install the positive plate.

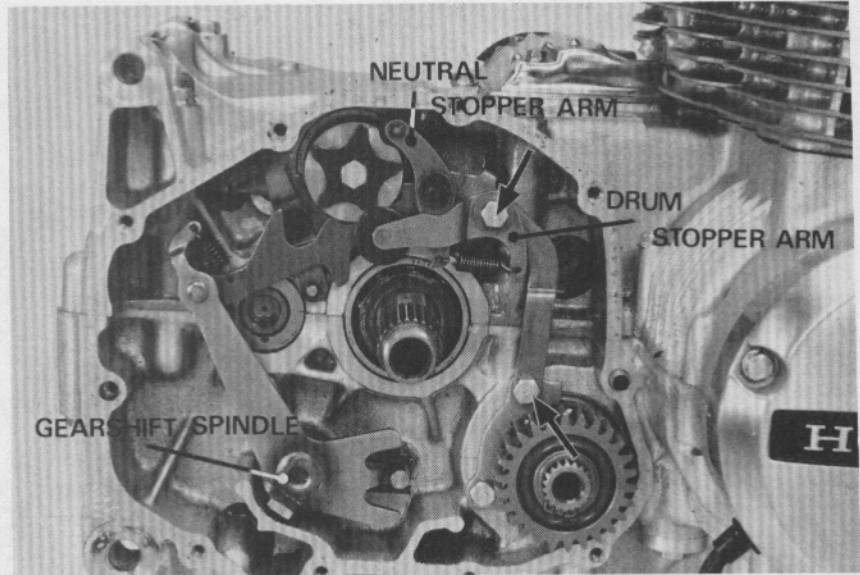




Install the gearshift spindle.  
 Install the drum and neutral stopper arms.  
 Install the stopper spring.

Rotate the gearshift spindle and check the linkage for smooth operation.

Install the clutch assembly and cover (Section 8).



### GEARSHIFT PEDAL INSTALLATION

Install the gearshift pedal as shown.

**TORQUE: 0.8–1.2 kg-m (6–9 ft-lb)**

