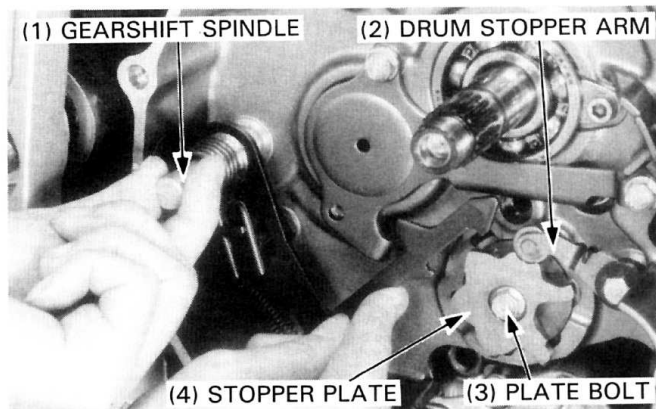


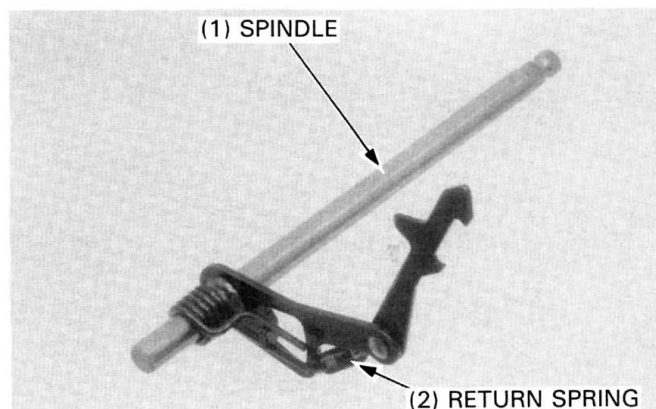
Remove the following:

- gearshift spindle
- drum stopper arm bolt, stopper arm, collar and spring
- drum stopper plate bolt and stopper plate/drum



INSPECTION

Check the gearshift spindle for bending or damage.
Check the return spring for fatigue or damage.



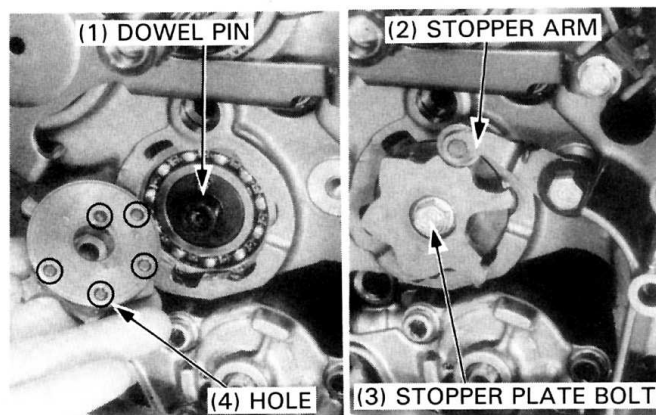
INSTALLATION

Install the collar, spring, stopper arm, washer and stopper arm bolt and tighten the bolt.

Install the dowel pins into the holes of the gearshift drum.

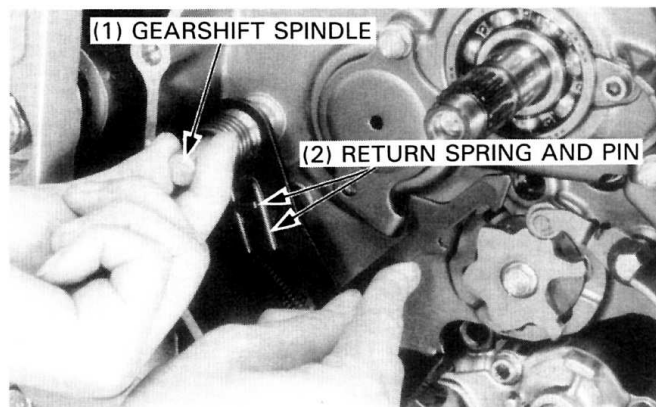
Lift up the drum stopper arm and install the drum stopper plate.

Apply locking agent to the threads of the stopper plate bolt and tighten the bolt.



TORQUE: 26 N·m (2.6 kg-m, 19 ft-lb)

Install the gearshift spindle, aligning the return spring ends with the pin in the case.

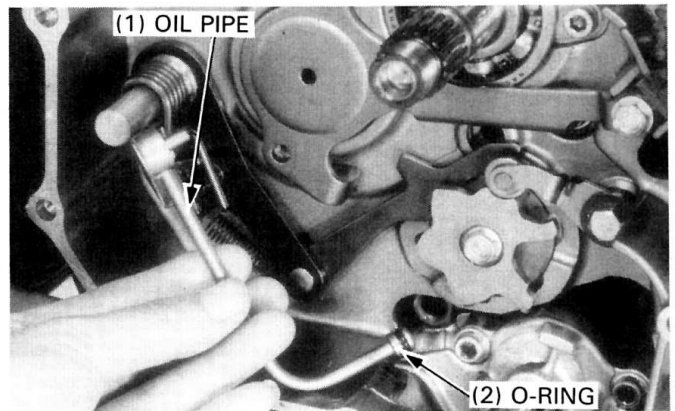


CLUTCH/GEARSHIFT LINKAGE

Install the oil pipe with a new O-ring onto the oil pipe stay and oil pump.

Tighten the bolts securely.

Install the removed parts in the reverse order of removal.



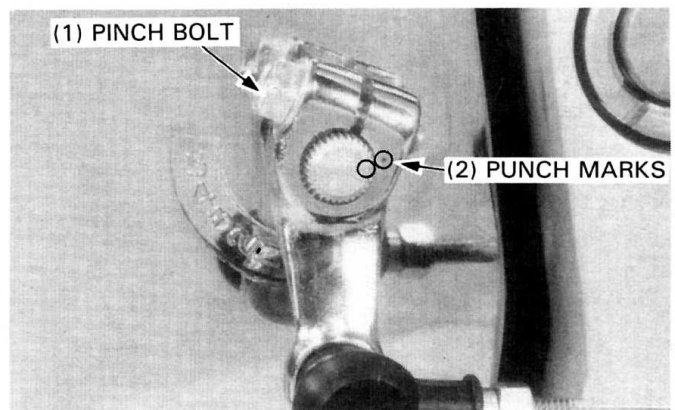
Install the gearshift arm to the gearshift spindle.

Align the punch mark on the arm with the punch mark on the spindle.

Tighten the gearshift arm pinch bolt.

TORQUE: 12 N·m (1.2 kg-m, 9 ft-lb)

Install the drive sprocket cover.



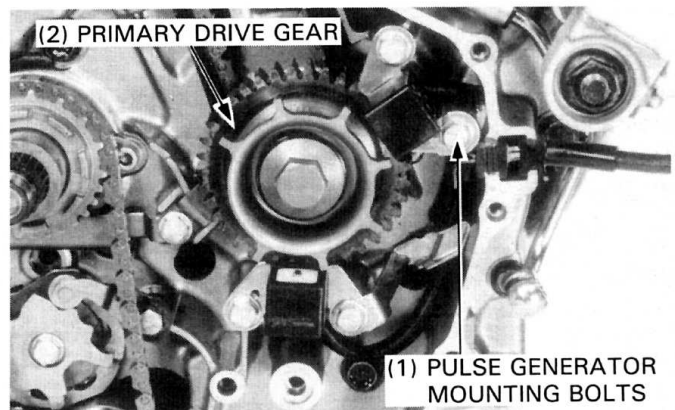
PRIMARY DRIVE GEAR

REMOVAL

Remove the following:

- right crankcase cover (page 7-3)
- clutch assembly (page 7-4)

Remove the pulse generator mounting bolts and pulse generators.



Temporarily install the clutch outer, then install the gear holder as shown.

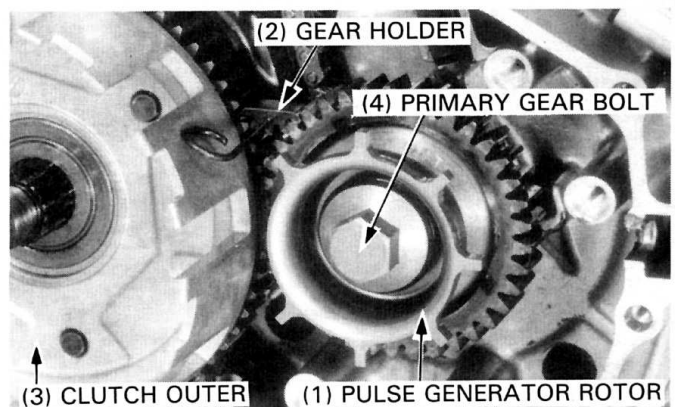
TOOL:

Gear holder

07724-0010100 Not available in U.S.A.

Remove the following:

- primary drive gear bolt and pulse generator rotor
- clutch outer and gear holder
- primary drive gear



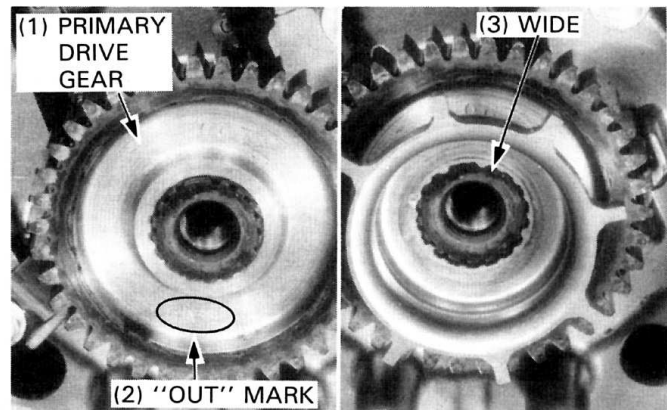
INSTALLATION

Install the primary drive gear with the "OUT" mark facing out.

NOTE

- The primary drive gear and pulse generator rotor will only go on in one position because of the extra wide aligning spline.

Install the pulse generator rotor.



Temporarily install the clutch outer and install the gear holder as shown.

TOOL:

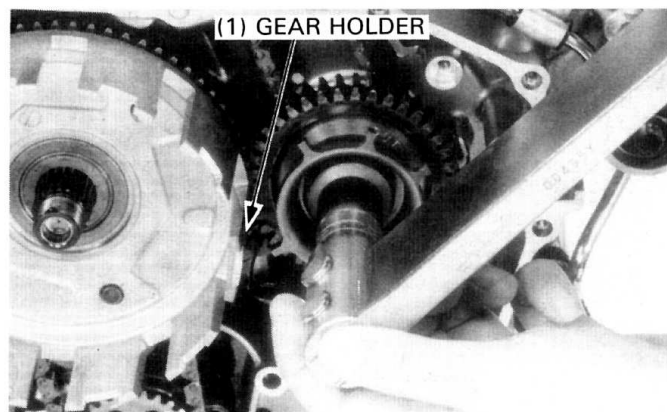
Gear holder

07724-0010100 Not available in U.S.A.

Install the washer and bolt and tighten the bolt.

TORQUE: 90 N·m (9.0 kg-m, 65 ft-lb)

Remove the gear holder and clutch outer.

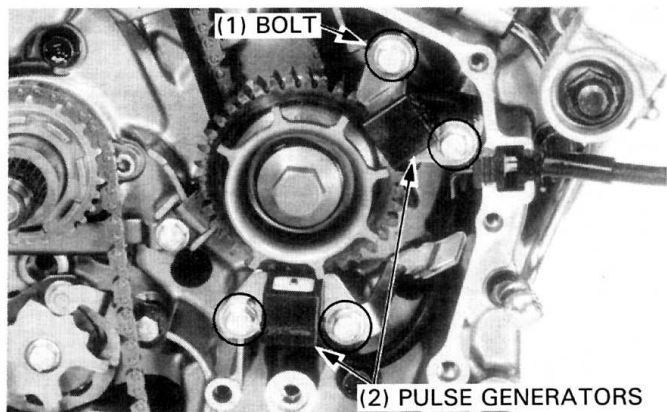


Install the following:

- pulse generators
- clutch

NOTE

- If the pulse generator wire grommets were removed from the case groove, reinstall them securely.



CLUTCH INSTALLATION

Apply MoS₂ paste grease to the outside of the clutch outer guide and install the oil pump drive sprocket over the outer guide.

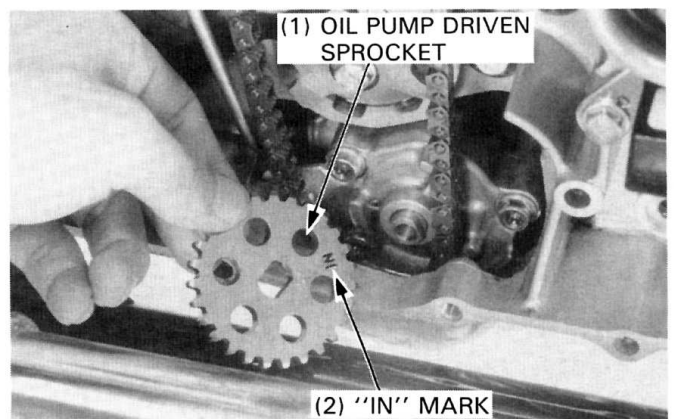


CLUTCH/GEARSHIFT LINKAGE

Install the oil pump drive chain on the drive sprocket.

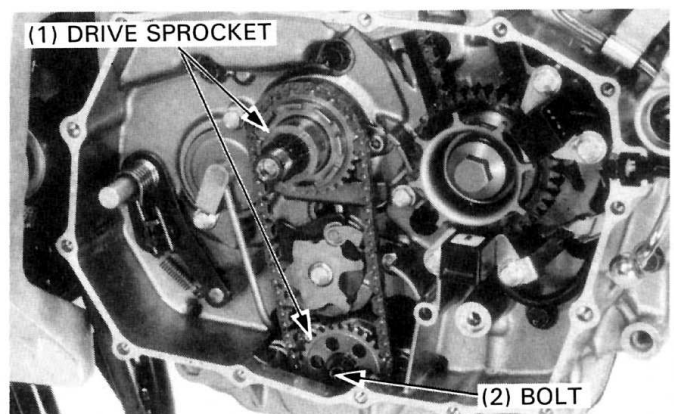
Install the oil pump driven sprocket with the "IN" mark facing inside.

Guide the drive chain over the sprocket.

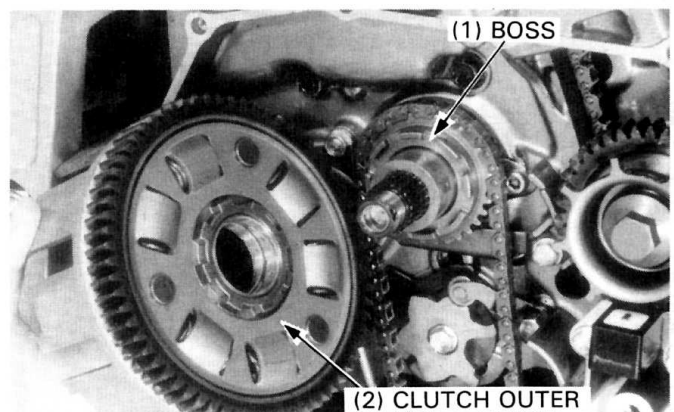


Apply locking agent to the threads of the driven sprocket mounting bolt and tighten it with the washer to the specified torque.

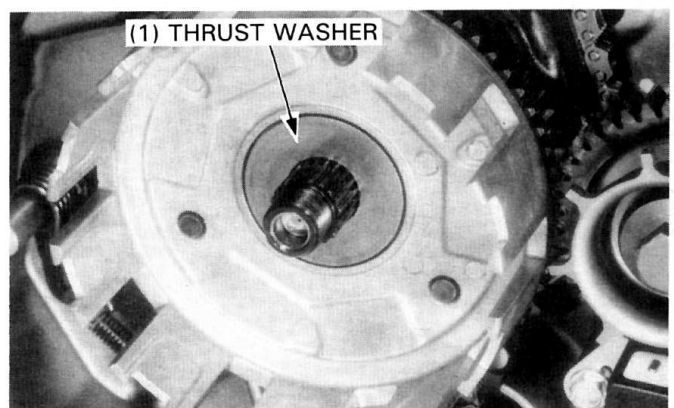
TORQUE: 15 N·m (1.5 kg-m, 11 ft-lb)



Align the grooves in the clutch outer with the bosses on the oil pump drive sprocket while turning the sprocket with the chain and pushing the clutch outer onto the shaft.



Install the thrust washer onto the mainshaft.



CLUTCH/GEARSHIFT LINKAGE

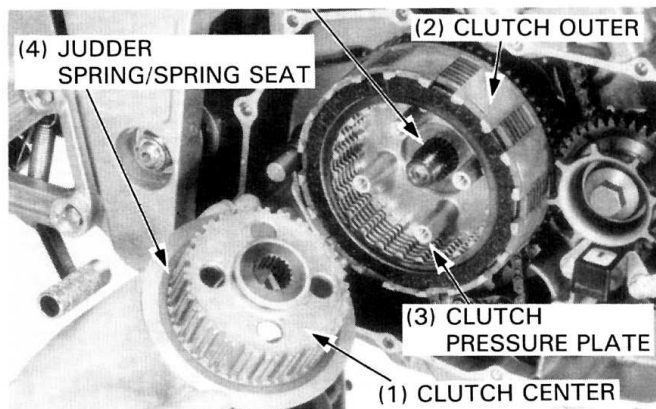
Install the pressure plate, clutch discs B, plates and disc A in the clutch outer.

NOTE

- Stack the discs and plates alternately.
- Coat the new clutch discs with clean engine oil.

Install the spring seat and judder spring on the clutch center as shown.

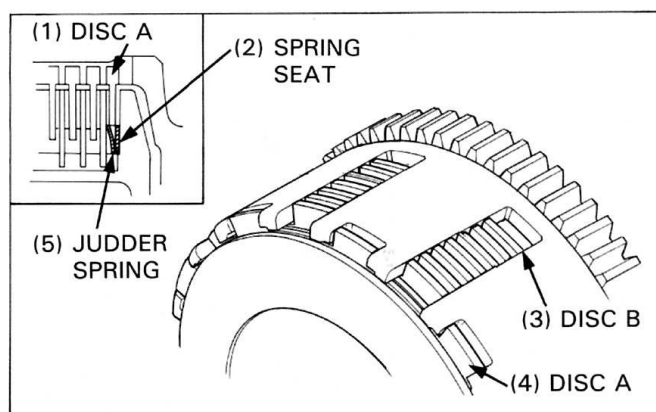
Install them in the clutch outer.



NOTE

- Note the positions of the seat and disc A.

Install the washer on the mainshaft.



Hold the clutch center with the clutch center holder, and tighten the lock nut to the specified torque.

TORQUE: 130 N·m (13.0 kg-m, 94 ft-lb)

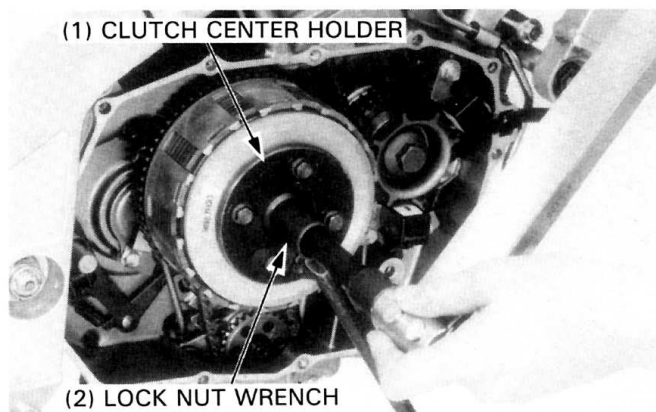
TOOLS:

Clutch center holder

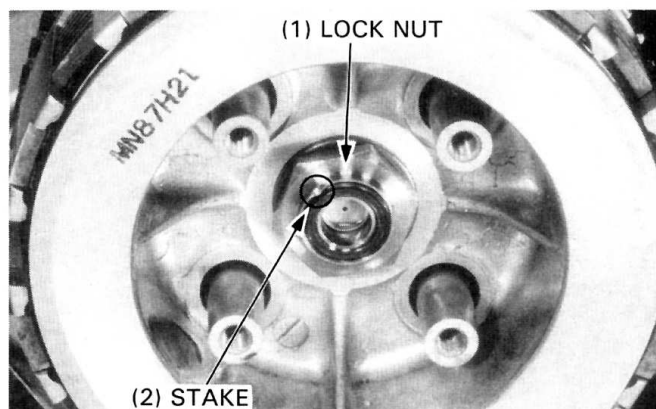
07923—KE10000 or
07HGB—001000A
(U.S.A. only)

Lock nut wrench, 17 x 27 mm

07716—0020300 Equiva-
lent commercially available
in U.S.A.



Stake the lock nut with a center punch.



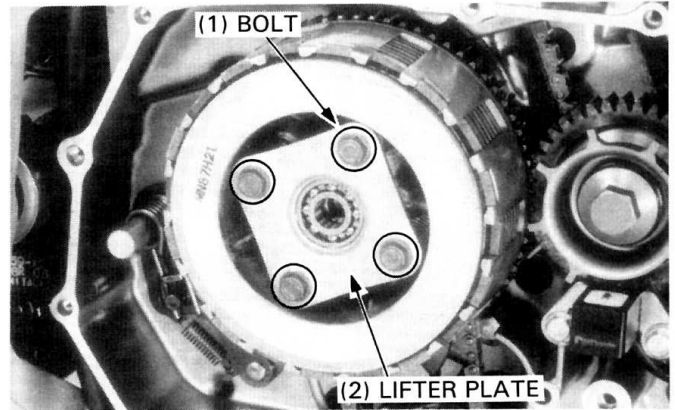
CLUTCH/GEARSHIFT LINKAGE

Install the clutch springs, lifter plate and bolts.
Tighten the bolts in a crisscross pattern in 2 or 3 steps.

NOTE

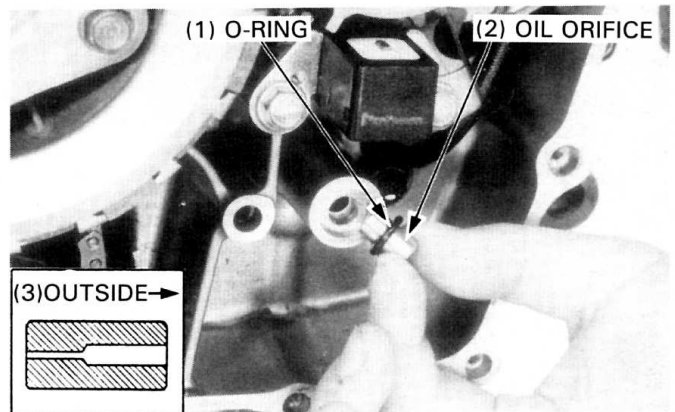
- Make sure the pressure plate firmly pushes the discs and plates.

Install the bearing into the lifter plate.

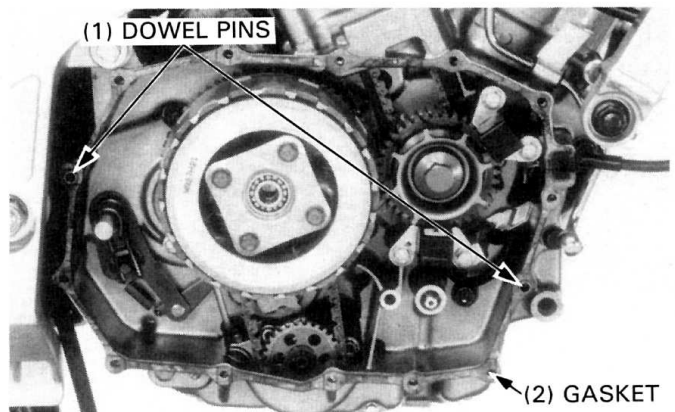


RIGHT CRANKCASE COVER INSTALLATION

Check the oil orifice for clogging.
Install a new O-ring on the oil orifice.
Install the oil orifice with its smaller hole facing in.



Install the dowel pins and new gasket.



Tighten the right crankcase cover mounting bolts in a crisscross pattern in 2 or 3 steps and install the clutch cable holder and oil pipe holder at the same time.
Connect the clutch cable to the clutch lifter arm.

Tighten the oil pipe bolt with the new sealing washers.

TORQUE: 23 N·m (2.3 kg-m, 17 ft-lb)

Install the exhaust pipe.

TORQUE:

Exhaust pipe joint nut: 27 N·m (2.7 kg-m, 20 ft-lb)

Muffler band bolt: 27 N·m (2.7 kg-m, 20 ft-lb)

Fill the crankcase with engine oil (page 2-3).
Adjust the clutch lever free play (page 3-15).

