



QA-50 #1  
4/25/72

# SERVICE BULLETIN

AMERICAN HONDA MOTOR CO., INC. MOTORCYCLE SERVICE DEPARTMENT

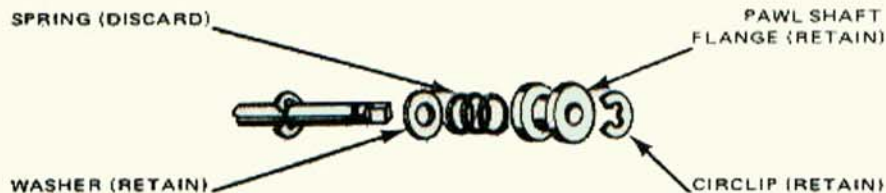
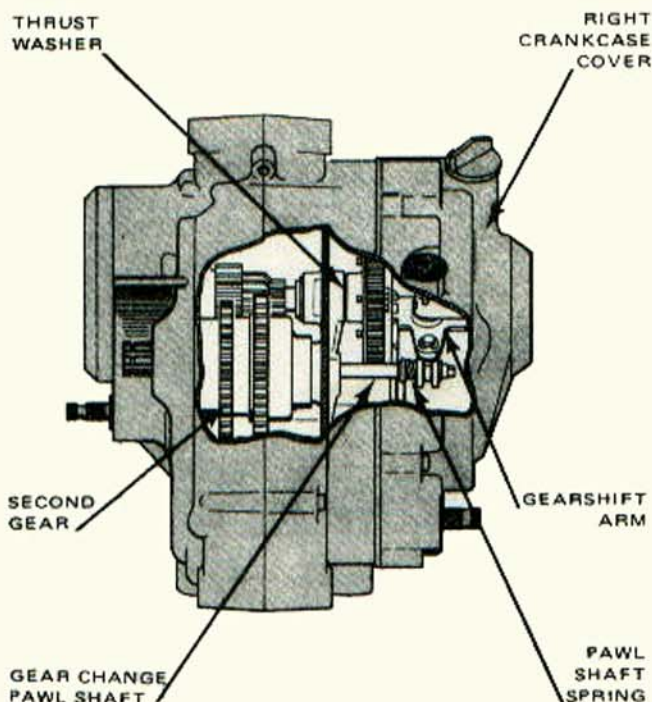
## MODIFIED SHIFTING MECHANISM

A redesigned shifting mechanism has been incorporated during production of QA-50 engines for frame numbers QA50-1069258 and subsequent, to prevent the transmission from jumping out of second gear. A modification kit is available for installation in earlier engines (frame numbers prior to QA50-1069258), if owners complain of the transmission jumping out of second gear.

The modification consists of replacing the gearshift arm, change pawl shaft spring, and the primary driven gear thrust washer.

To accomplish this modification, perform the following steps:

1. Drain engine oil and remove the following:
  - Kick Starter Pedal
  - Exhaust System
  - Right Crankcase Cover
2. Remove clutch assembly as described in shop manual.
3. Remove change pawl shaft flange and spring from gear change pawl shaft, as described in shop manual. Discard spring.



1 OF 4

### ROUTING:

COPY 1

COPY 2



GENERAL MANAGER



SALES DEPT.



OFFICE FILE



SERVICE MANAGER

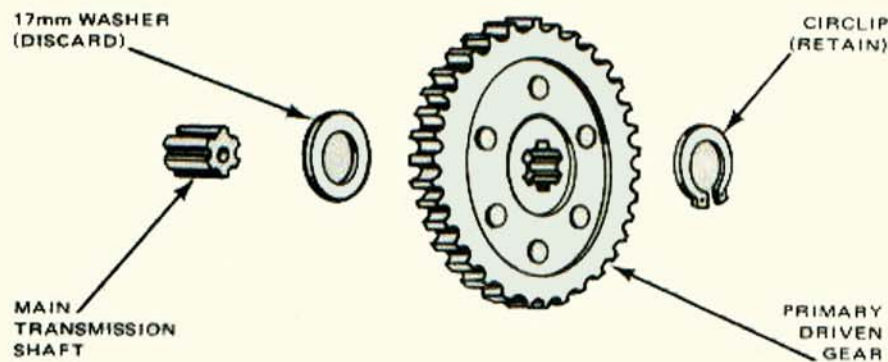


MECHANICS

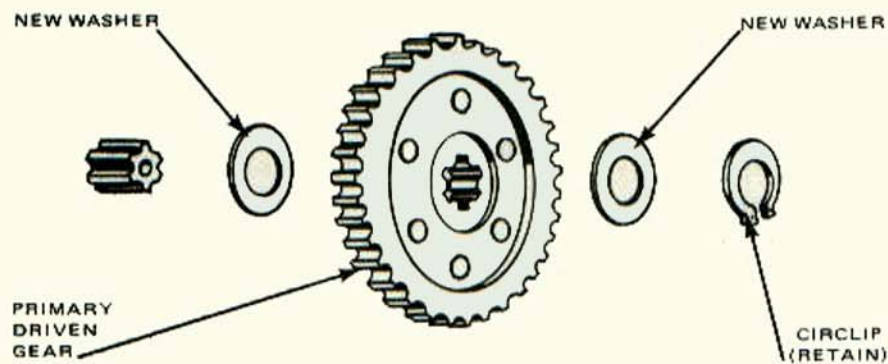


SHOP MANUAL

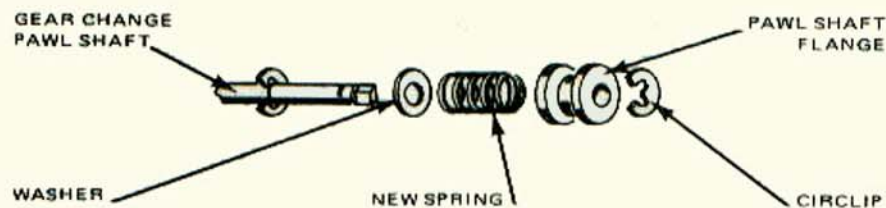
4. Remove primary driven gear as described in shop manual.
5. Remove and discard 17mm thrust washer P/N 90451-081-000 from main transmission shaft.



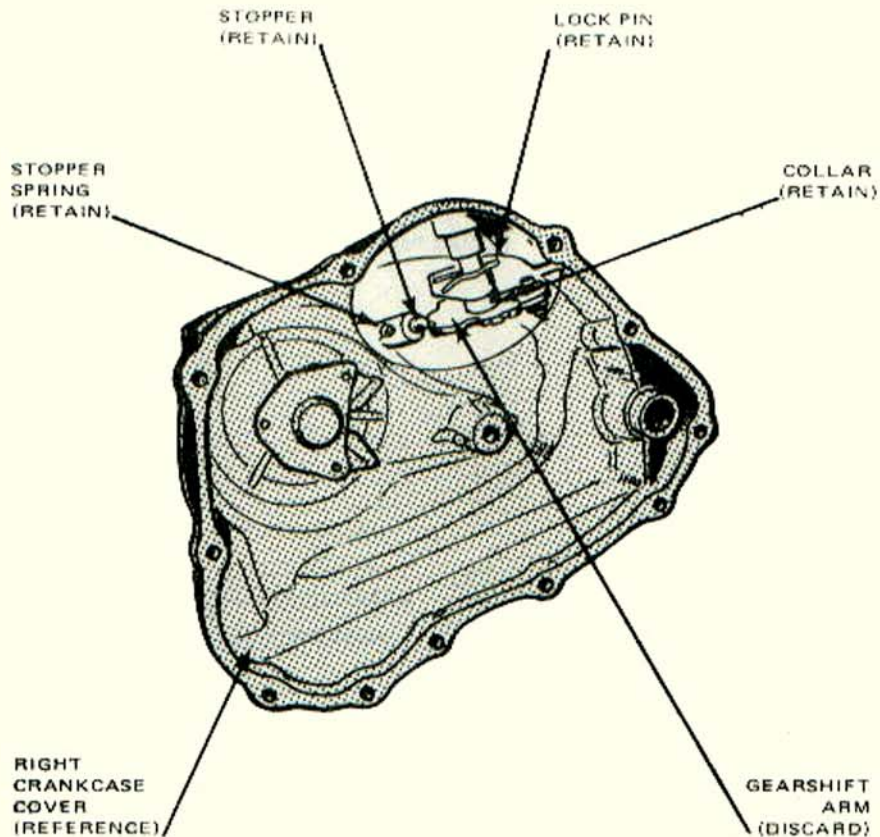
6. Reinstall primary gear on main transmission shaft, placing one new thin washer P/N 90411-001-000 from the kit, on each side of the gear. Reinstall existing circlip.



7. Reinstall parts on gear change pawl shaft as described in shop manual, using new spring P/N 24209-114-010 from kit.



8. Reinstall clutch assembly as described in shop manual.
9. Remove gearshift arm complete from right crankcase cover and install new gearshift arm P/N 24630-083-010 from kit.



10. Reinstall:
  - Right Crankcase Cover with New Gasket
  - Exhaust System
  - Kick starter pedal
11. Fill crankcase with oil, as described in shop manual or owner's manual.
12. Adjust clutch, as described in shop manual or owner's manual.

*NOTE*

*If jumping out of second gear persists after kit is installed, an excessively worn gearshift pawl or countershaft second gear may be at fault.*

**PARTS INFORMATION**

H/C	Part Number	Description	Dealer Net
29033	24630-114-305	Gearshift Kit	\$ 1.65

**THE FOLLOWING PARTS ARE INCLUDED IN KIT P/N 24630-114-305:**

H/C	Part Number	Description	Dealer Net
29031	24630-083-010	Gearshift arm complete	\$ 1.44
29032	24209-114-010	Gearshift pawl shaft spring	0.14
00373	90411-001-000	Thrust washer 17mm (2 req'd)	0.08

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