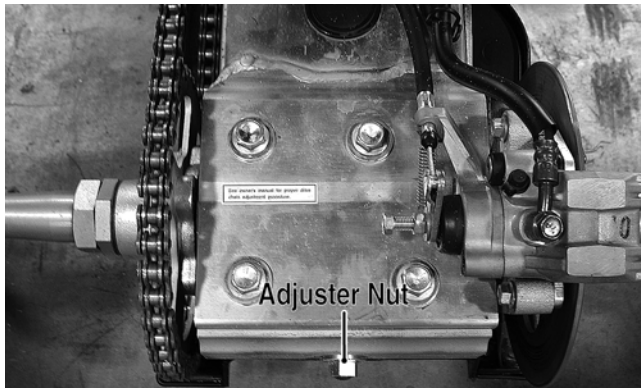
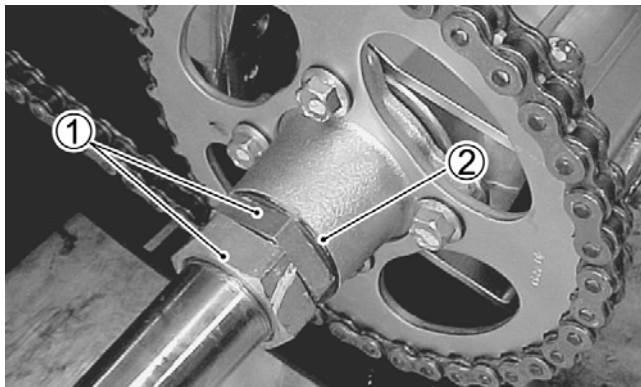




SP061B

4. Remove the rear wheel hubs; then remove the left-side axle nuts (1). Account for two concave washers (2).

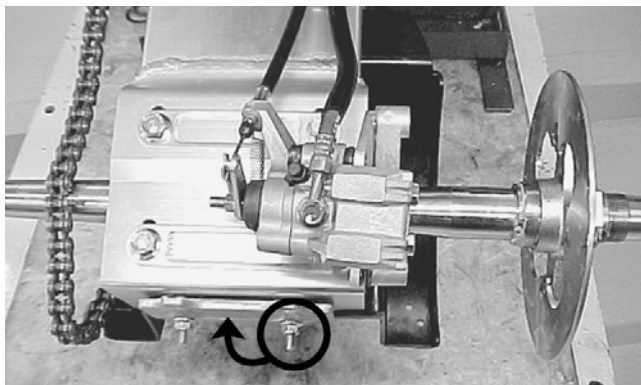


SP315

5. Remove the sprocket and sprocket hub assembly; then remove the brake caliper and lay aside.

■**NOTE:** Do not apply pressure to the brake pedal with the caliper removed. The brake piston will be pushed out and brake fluid will be spilled.

6. Slide the axle to the right and out of the axle housing; then remove the brake disc from the flange.



SP316

■**NOTE:** It is not necessary to remove the right-side axle nut.



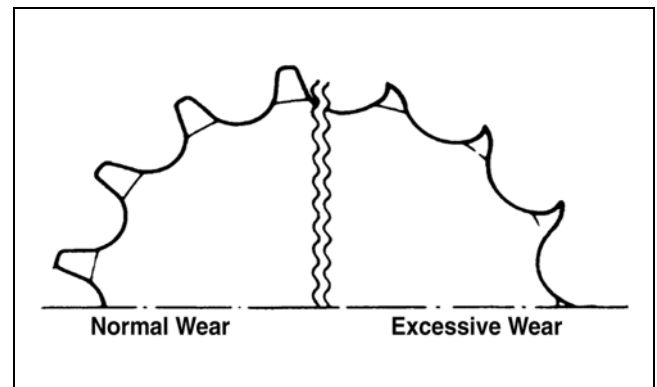
SP317

■**NOTE:** Do not attempt to remove the brake disc flange. The axle and brake flange are an assembly.

7. Remove the four swing-arm cap screws; then remove the adjuster nut (from step 3).
8. Remove the axle housing from the swing arm.

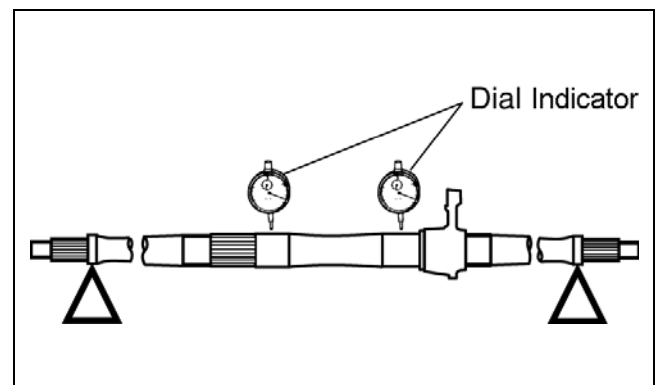
CLEANING AND INSPECTING

1. Inspect the sprocket teeth for wear. If they are worn as shown, replace the engine sprocket, rear sprocket, and drive chain as a set.



ATV2185

2. Measure the rear axle runout as shown using a V blocks and a dial indicator. If the axle runout exceeds 6 mm (0.24 in.), the axle must be replaced.



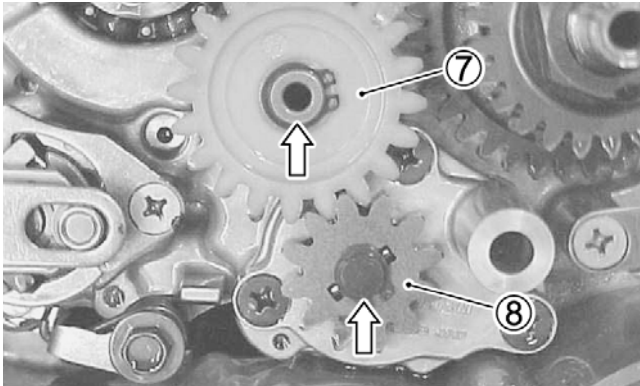
ATV2186

3. Inspect the dust seals for wear or damage. If any defect is found, replace the dust seal.

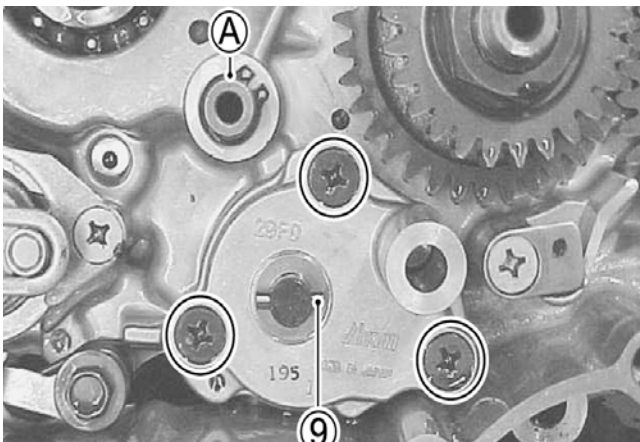
■NOTE: If the top-side components have not been removed, the tensioner and cam chain cannot be removed.

9. Remove the oil pump idler gear (7), the oil pump driven gear (8), and the oil pump drive pin (9); then remove the screws securing the oil pump.

■NOTE: Do not remove the circlip (A) before separating the crankcase halves to prevent the idler shaft from falling into the crankcase.

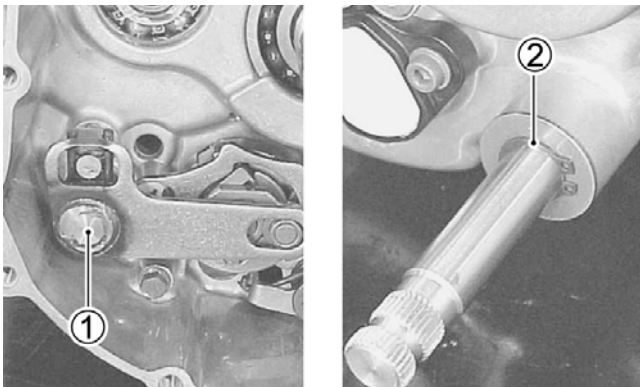


SP164



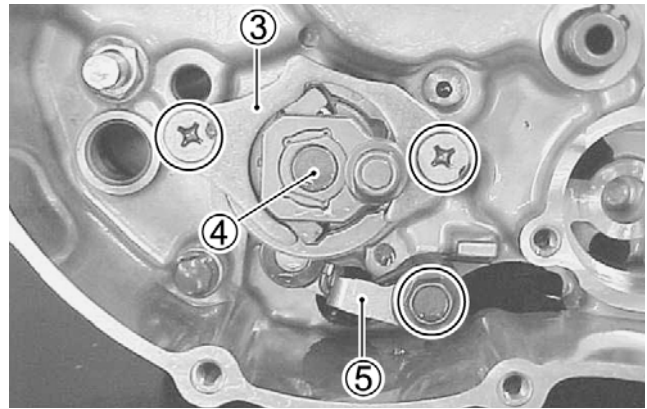
SP165

10. Remove the circlip (2) from the left side of the shift shaft; then remove the shift shaft (1).



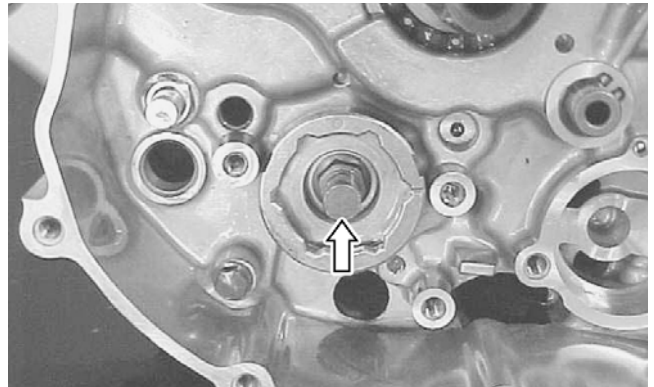
SP166A

11. Remove the two screws securing the shift pawl lifter (3) and the shift cam driven gear (4). Remove the shift cam stopper arm (5).



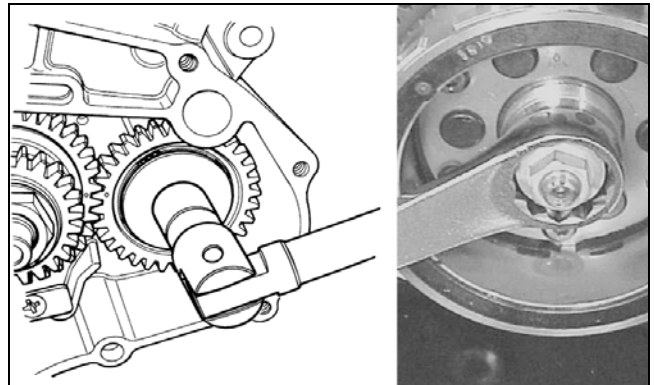
SP168

12. Remove the shift cam driven gear bolt.



SP169

13. Holding the rotor/flywheel and using a 27 mm off-set wrench, remove the crank balancer driven gear nut; then remove the washer, driven gear, and locator pin.



ATV2159A

14. Remove the primary drive gear nut, washer, and primary drive gear; then remove the key (1), balancer drive gear (2), and pin.