

18. Install the bearing (8) on the spline and clamp shaft (1) and secure with the retaining ring (9). Install the shaft bearing and gears (2 and 3) in the transmission case.

19. Install a new shaft oil seal and retainer (6) and gasket. Tighten the cap screws to 30 ft. lbs. torque.

20. Shift the transmission into two gear speeds to lock the transmission. Tighten the countershaft nut to 80 ft. lbs. torque.

21. Install the center pin in the nut, and using a new gasket install the bearing retainer cap. Tighten the cap screws to 35 ft. lbs. torque.

22. Install the shift poppet balls and springs in their bore (3).

23. Express the balls and install the shifter rods (2) and forks (4). Lock the forks in place with the set screws (1) and tighten assembly.

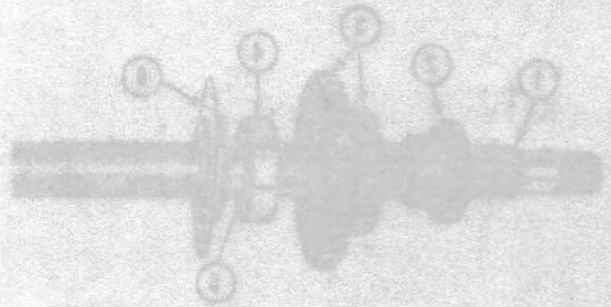
24. Install new expansion rings in the front shifter rod bore.

25. Use a new gasket and install the gear shift assembly on the transmission case.

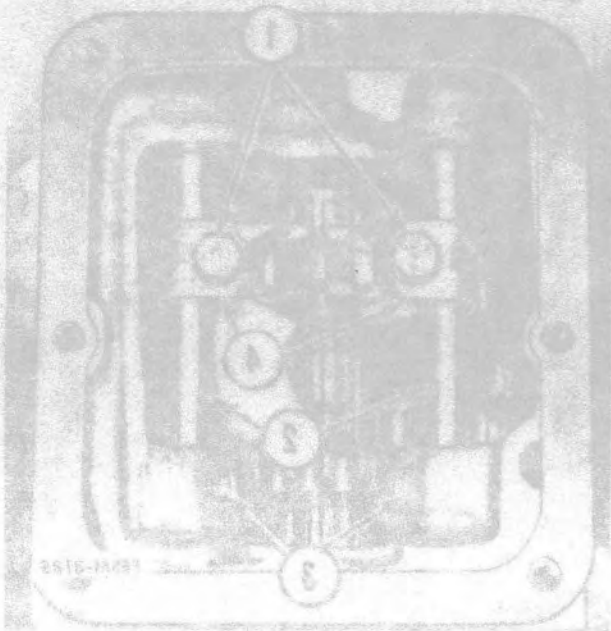
26. Install the electrical shaft housing and the final drive assemblies.

27. Reconnect the tractor. Refer to Section 4.

28. Install the final hitch assembly (if equipped) on the tractor.



1. Spline and clutch shaft
2. First and reverse gears
3. Sliding gear
4. Second and third gears
5. Sliding gear
6. Bearing
7. Retaining ring
8. Oil seal and bearing retainer assembly



1. Shifter fork set screws
2. Shifter rods
3. Poppet ball holes
4. Shifter forks