

INSTALLATION INSTRUCTIONS
SWEEPER REPAIR KIT, PART NUMBER C28036

1. Remove both wheels, all gears, roll pins, springs, and washers and dust shields.
2. Stand sweeper on left end.
3. Remove the two bolts (16) which secure the right side of the tow frame (12) to the right hand pivot bracket (2).
4. Grind off the head of rivet (15) securing the right hand pivot bracket (2) to the skid pan (4).
5. Remove the right hand pivot bracket (2).
6. Lift the sweeper housing assembly (1) out of the left pivot bracket (3) and place it on a worktable.

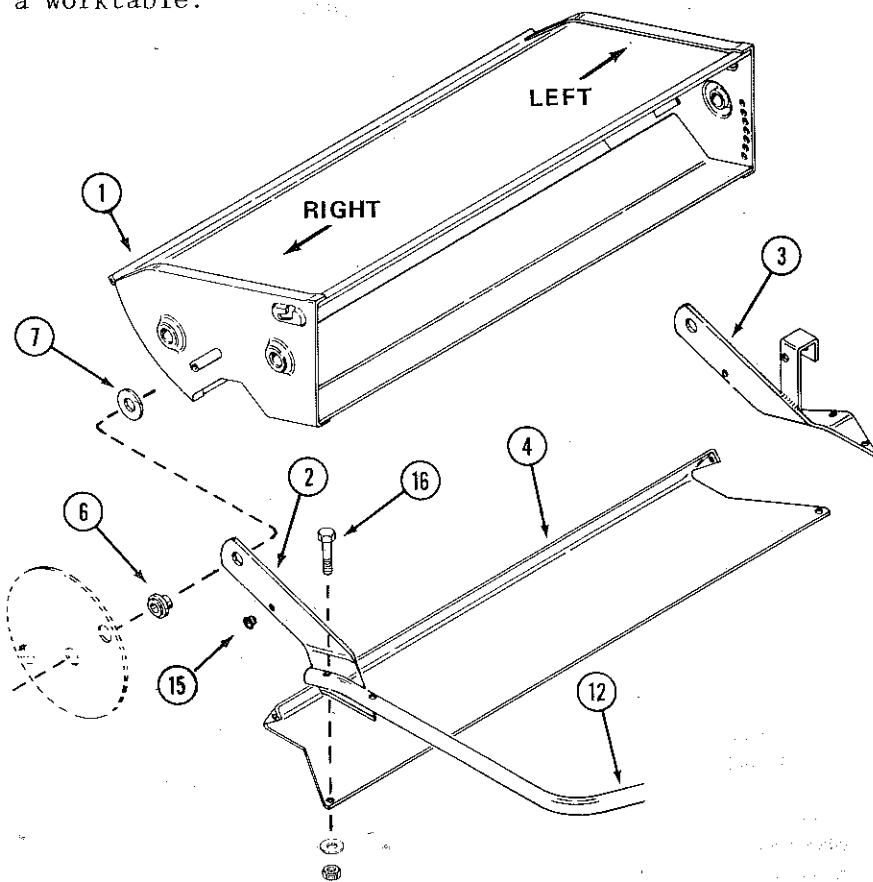


FIGURE 1

7. Use locking pliers to grip the bearings and remove them with a twisting motion.
8. Remove the two brush and shaft assemblies.
9. Clamp the housing securely to the worktable. Use a 2 x 4 wood block to distribute the clamping force over the housing.
10. Put a piece of pipe over the wheel axle to protect it.

11. Use a body grinder (or similar tool) to cut the bosses for the old bearings from the housing end plate. Grind and/or file this area (including the tips of the locator tabs near the axle) smooth and eliminate all burrs and sharp edges. Do not exceed 3" diameter hole.

IMPORTANT: Do not use a cutting torch to remove the bosses. The heat from a cutting torch will cause the housing to warp and render it unuseable.

12. Remove the protective pipe and place one repair plate over the wheel axle with the notched corner up and forward on the housing end plate (ie next to the boss that the basket hinges on).
13. Place one of the new pivot bracket bearings over the wheel axle and center the repair plate.
14. Carefully align the top edge of the repair plate so it is parallel with the top edge of the housing. Measure at both ends of the repair plate to make certain.
15. Clamp the repair plate in position.
16. Center punch and drill four (4) 1/4" mounting holes.
17. Check to insure that the new bearing flanges, when inserted as shown, will clear the hole made in the sweeper end plate and mount flat against the inside of the repair plate.
18. Bolt the repair plate in position. Insert the bolts from the inside out. Do not install the bearings at this time.
19. Remove the pivot bracket bearing (used for alignment) from the wheel axle.
20. Repeat this operation for the other side - Follow Steps 9 through 19.

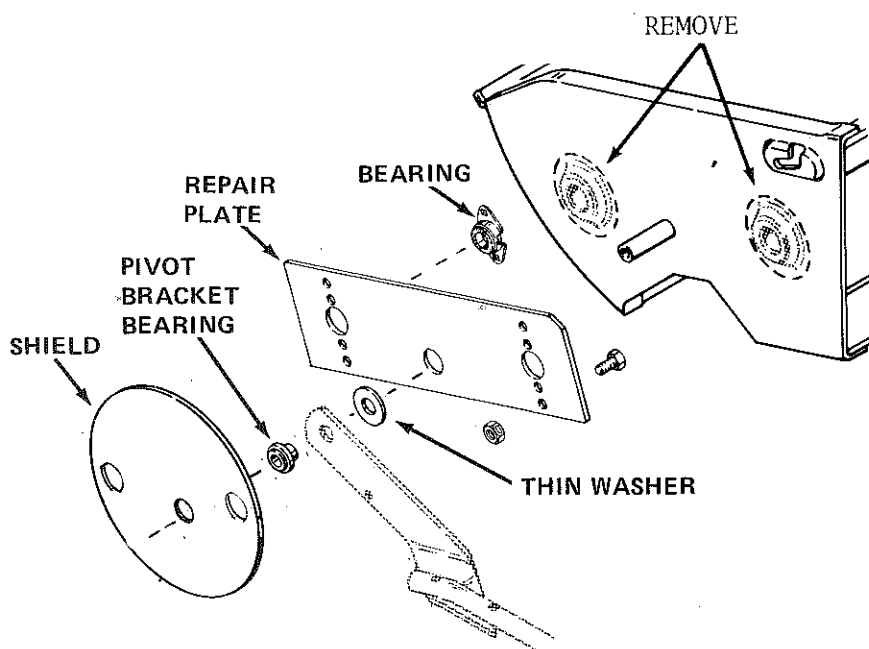
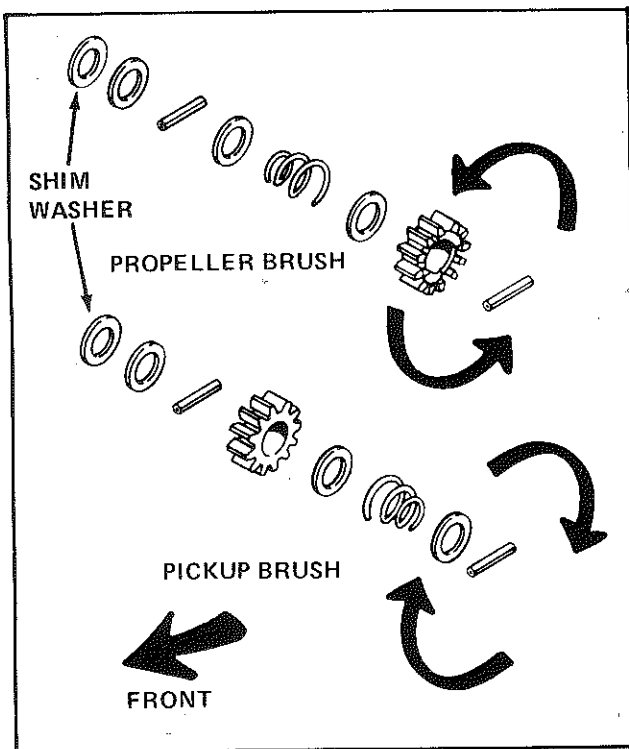


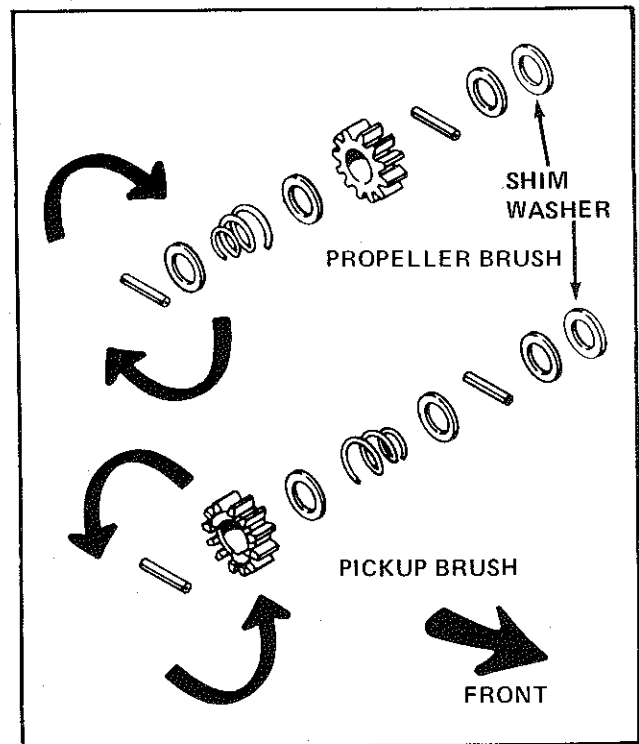
FIGURE 2

21. Clean and oil the brush shafts up to the first brush holder on each end.
22. Slide the bearings (flange side in) on each end of the brush shafts.

23. Install the brushes and bolt the bearings in place. Insert the bolts from the inside out.
- The propeller (top) brush must be installed with the longer shaft end in the side opposite the height selector lever.
- The pickup (bottom) brush must be installed with the longer shaft end in the same side as the height selector lever.
24. Remove the original pivot bearings from the pivot brackets.
 25. Install the new pivot bearings in the pivot brackets.
 26. Install one large flat washer provided on each axle shaft replacing the thicker washers (Figure 1, No. 7) that were removed.
 27. Insert the left axle through the left pivot bracket (Figure 1, No. 3).
 28. Install the right pivot bracket over the wheel axle (Figure 1, No. 2).
 29. Bolt the skid pan (Figure 1, No. 4) to the right pivot bracket. Install the bolt from the inside.
 30. Attach the tow frame, skid pan and pivot bracket with the original bolts.
 31. Install the new dust shields with the lip on the bearing holes toward the bearing.
 32. Install shim washers, roll pins (discard the aluminum pins removed) gears and springs in accordance with Figure 3.
 33. Apply a small amount of dry lubricant to the wheels and gears.
 34. Install the wheels.



Correct Gear Installation
Left Side (Height Selector Side)



Correct Gear Installation
Right Side

FIGURE 3