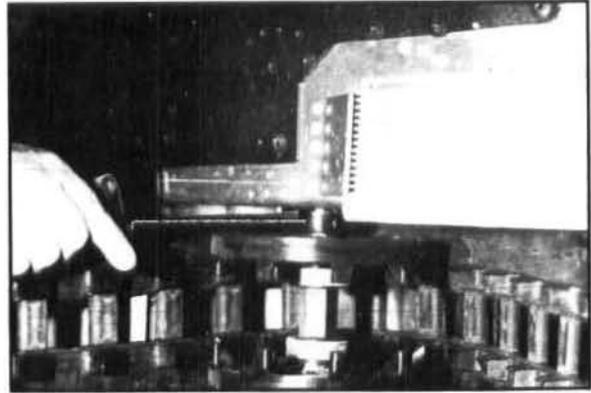


SUSPENSIONS

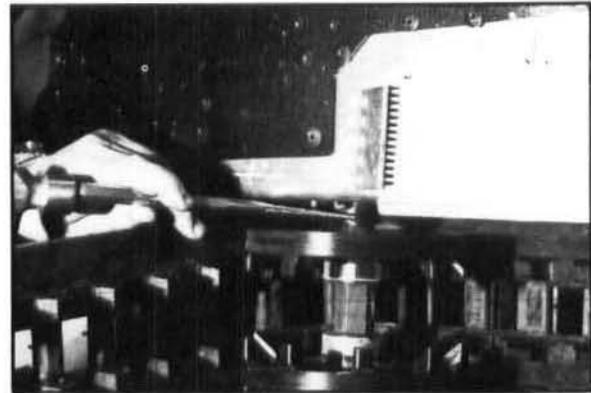
Transmission, Suspension and Track Removal - WideTrak Models

14. Using "T" handle Allen wrench, loosen set screw on lock collar.



15. Tap lock collar with a hammer and punch to loosen.

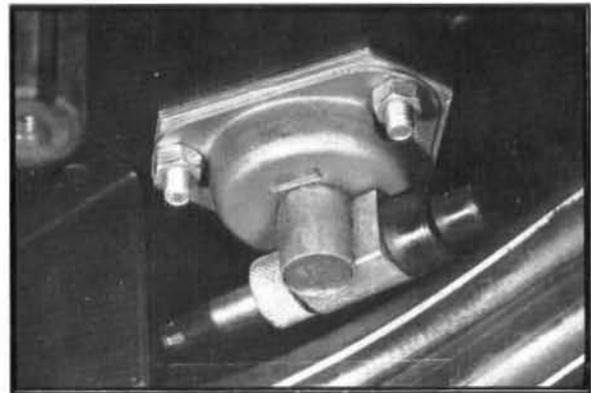
16. Rotate lock collar *against* normal drive shaft rotation to loosen.



17. Loosen and remove three carriage bolts and nuts retaining angle drive housing and flangettes.

18. Remove angle drive housing, adaptor key, flangettes, bearing, and lock collar from drive shaft and tunnel. **NOTE:** It is not necessary to remove speedometer cable from angle drive. Replace adaptor key any time drive train assembly is serviced.

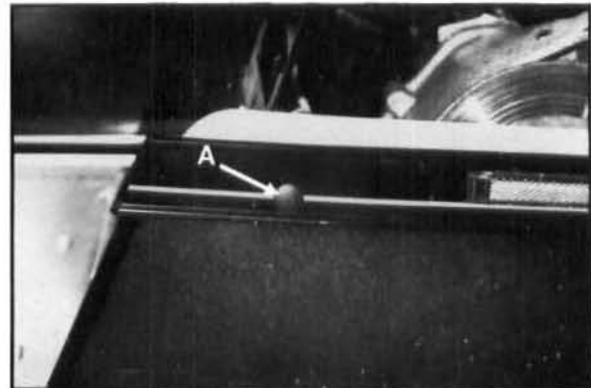
19. Tip machine back onto floor.



20. Remove right side bumper plug (A).

21. Remove bolt retaining rear of bumper to foot rest.

22. Bend muffler mount out of the way to allow transmission removal.

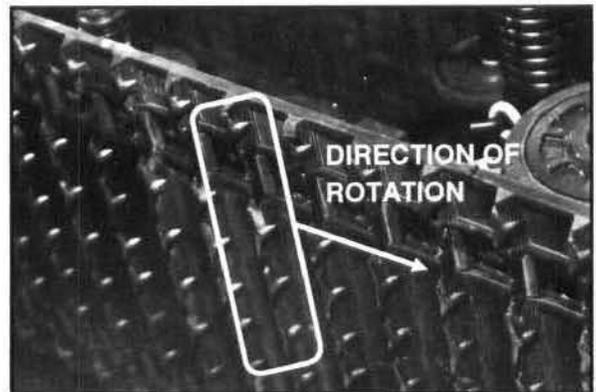


Transmission, Suspension and Track Removal -WideTrak Models

23. Remove three transmission retaining bolts. Note all alignment shim quantities and locations for reassembly. **NOTE:** Retaining bolts have to be held in place from underside while removing nuts. The lower front bolt cannot be removed at this time. It must be lowered to the drive sprocket.
24. Lift and maneuver transmission to free drive shaft coupler.
25. Lower drive shaft and remove lower front bolt.
26. Maneuver transmission until it can be removed from the unit. Use care not to damage coolant lines.
27. With transmission removed, tip unit onto right side. Notice direction of track rotation for reassembly. The arrow in the photo at right indicates track bottom, rear of unit.
28. Remove track.
29. Inspect transmission, brakes, suspension and track for excessive wear. Check bearings for excessive movement or rough feeling. Replace if necessary.

Reassembly

1. Tip unit onto right side.
2. Insert track in unit, making sure direction of rotation is correct.
3. Place drive shaft in unit, aligning drive sprockets and track drive lugs.
4. Install lock collar, flangette, bearing and flangette on drive shaft, positioning bearing flush with end of drive shaft.
5. Set lock collar lightly to hold in place.
6. Align flangette holes with tunnel.
7. Replace adaptor key in drive shaft. Install angle drive housing aligning adaptor key with angle drive.
8. Install nuts and finger tighten.
9. Tip machine onto its left side.



SUSPENSIONS

Transmission, Suspension and Track Reassembly - WideTrak Models

10. Reinstall transmission, using care not to damage coolant hoses. Be sure transmission shift linkage is properly located.
11. Install lower front mounting bolt before coupling to shaft. Once bolt is started into transmission housing, align coupling with drive shaft and jack shaft splines. Keep transmission flat and lower gradually to prevent binding of couplers.
12. Tip machine onto its right side.
13. Loosen lock collar and seat drive shaft in transmission coupler stub shaft. For ease of assembly, make sure track has no pressure against drive shaft.
14. Tighten nuts retaining angle drive housing to tunnel.
15. Reinstall lock collar and lock with hammer and punch in *direction of rotation* of drive shaft.
16. Using "T" handle Allen wrench, tighten set screw.
17. Reinstall front of suspension inside track and align with tunnel mounting holes.
18. Install and hand tighten suspension bolts.
19. Install front carrier shaft assembly inside track and mount to tunnel with bolts. Hand tighten bolts.
20. Install rear carrier shaft assembly. Make sure bolts are not cross threaded and hand tighten.
21. Tip machine back onto floor and tighten all suspension bolts to proper torque specs. Refer to pages 10.4-10.5.
22. Reattach transmission shift linkage and brake light connector.
23. Attach brake cable to transmission mounting with bolt, nut and spacer. Refer to Chapter 8 for adjustment specifications.
24. Install bumper onto footrest bolt and tighten.
25. Reinstall bumper plug.
26. Reinstall and secure muffler.
27. Loosen rear idler bolts.
28. Lift and support rear of unit and align track to specifications found on page 9.11. Make sure rear idler wheel spacer location is correct before tightening idler wheels.
29. Reinstall driven clutch and spacers onto jackshaft and tighten.
30. Reinstall hood.

