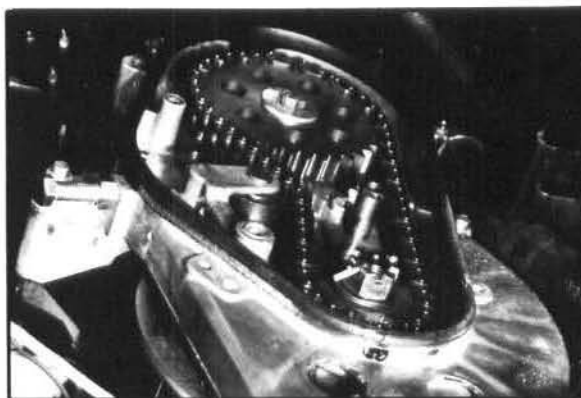


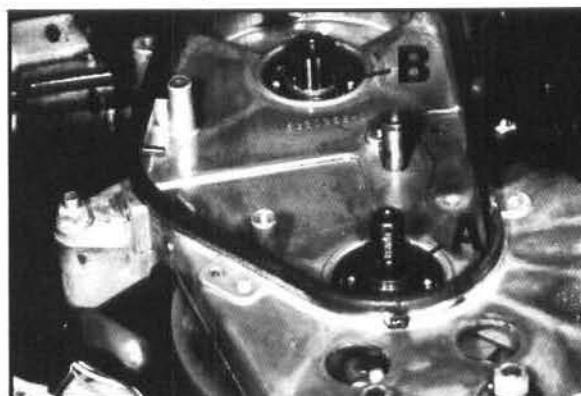
## BRAKES / FINAL DRIVE

### Type 3 Drive System Overhaul

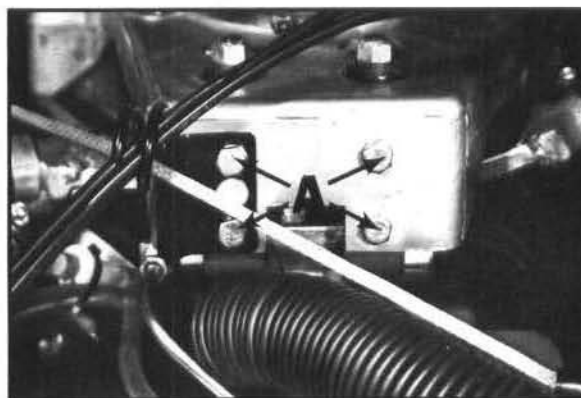
12. Remove chaincase cover attaching bolts and remove cover.
13. Remove castle nut cotter pin and castle nut.
14. Remove chain adjustment bolt and chain tensioner assembly.
15. Remove bottom gear attaching bolt, chain and sprockets.



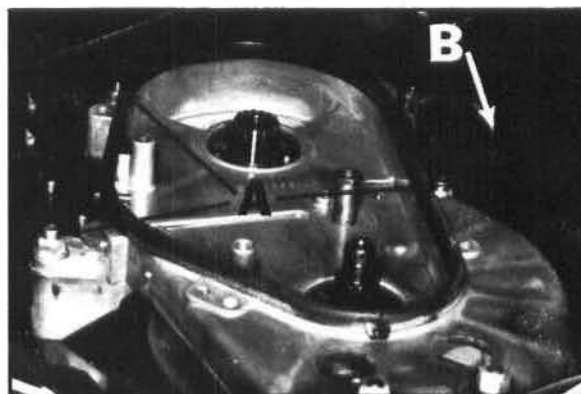
16. Note position of top gear spacer (A) and gear alignment washers (B). Remove spacer and washers.



17. Remove four bolts securing caliper carrier bracket to chaincase (A).

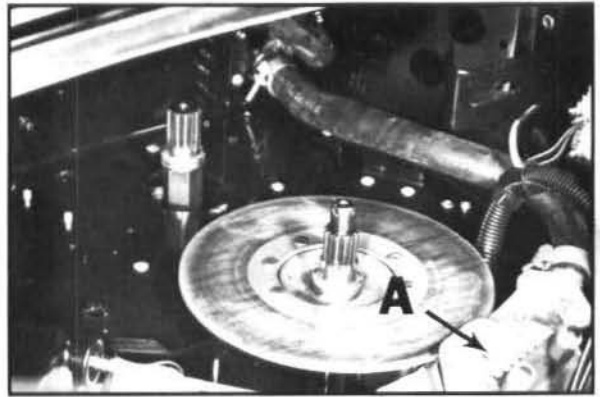


18. Remove three chaincase to bulkhead attaching nuts and bolts. **NOTE:** On some machines it may be necessary to remove the rear exhaust bracket (B) prior to lifting chaincase or removing drive shaft assembly.

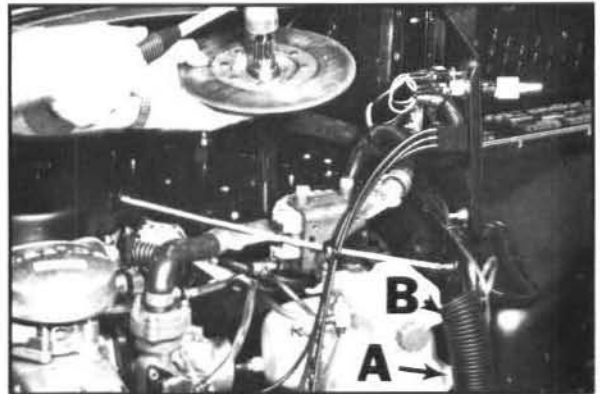


## BRAKES / FINAL DRIVE Type 3 Drive System Overhaul

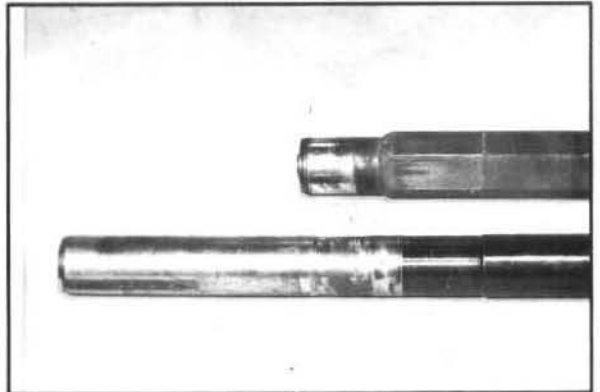
19. Remove chaincase and slide brake caliper assembly (A) outward from brake disc as shown.



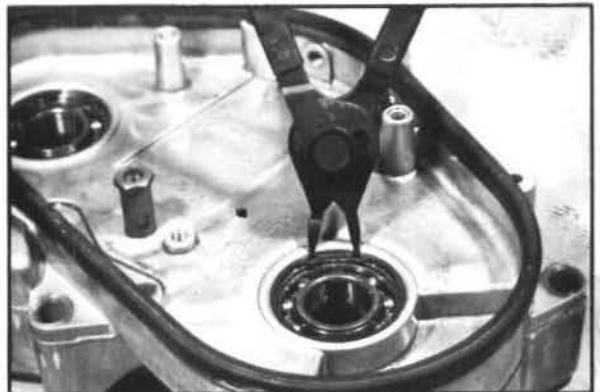
20. Remove oil tank attaching bolt (A). On liquid cooled models, remove coolant recovery tank bolt (B).
21. Raise jackshaft assembly as shown.
22. Remove O-Ring, seal sleeve and brake disc by tapping on jackshaft end with a soft face hammer as shown.
23. Remove jackshaft and drive shaft.



24. Inspect drive shaft and jackshaft in bearing contact area. If diameter is .001" (.025 mm) less than non-contact area, shafts should be replaced.



25. Remove bearing retaining snap rings.

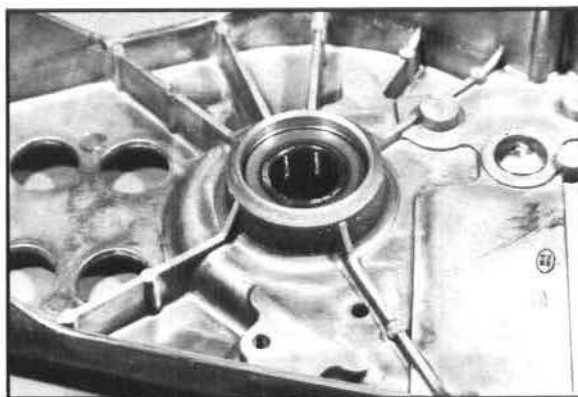


## BRAKES / FINAL DRIVE

### Type 3 Drive System Overhaul

26. Pry out old seal.

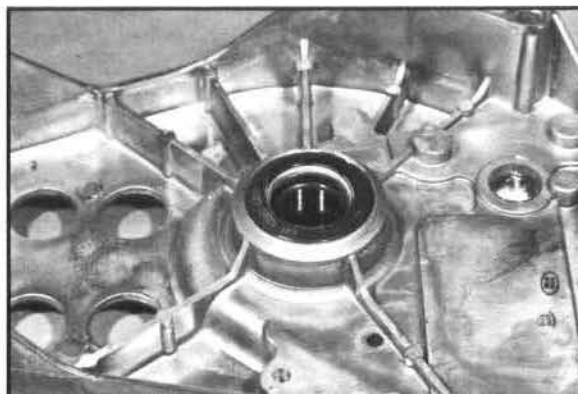
27. Press out old bearing from side shown. **NOTE:** If bearing appears tight, use heat to expand chaincase bore.



28. Apply Loctite 680 (PN 2870584) to outer race of bearing and press into position.

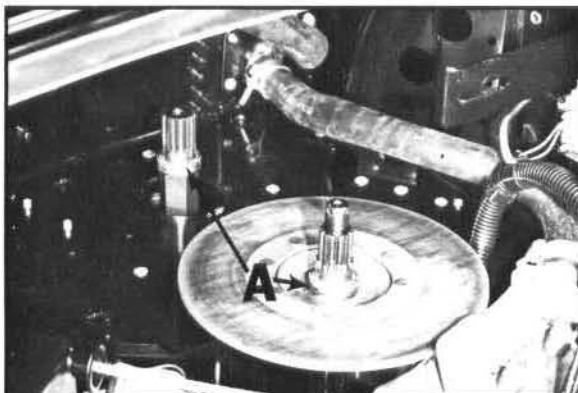
29. Reinstall snap rings.

30. Press new seals in until outer edge is flush with chaincase shoulder.



31. Install drive shaft and jackshaft as shown with new seal sleeves (A) and O-Rings. **NOTE:** Recessed area on seal sleeve is positioned outward and O-Ring rests in this recess.

32. Grease seal sleeves and O-Rings.



33. Reinstall brake caliper onto brake disc and install chaincase. **NOTE:** On some models, prior to installing the drive shaft it will be necessary to install the chaincase to bulkhead attaching bolts (A).

34. Install jackshaft alignment tool (PN 2870399) and secure with castle nut as shown.

