



Service Bulletin

Date: January 27, 2024

Service Bulletin # GSBS-14

To: Owners of 5-Speed Friction Drive Models

Subject: Friction Wheel Replacement

Machine Style: 5-Speed Friction Drive Models

This procedure may vary slightly with how the pulley/platter tipping mechanism is constructed on your model.

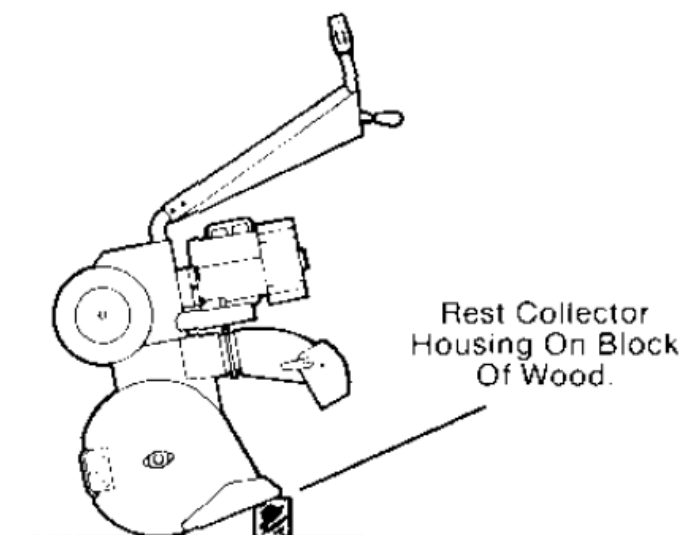
For full documentation of your machine including parts lists and manuals, please go to: <https://gilsonsnowblowers.com//snowfaq.html#manual> , or visit any of the “Documentation” links at gilsonsnowblowers.com

FRICTION WHEEL AND HUB REPLACEMENT —

⚠ WARNING: To prevent personal injury by avoiding accidental starting of the engine; turn engine off, wait for all movement to stop and remove ignition key.

⚠ WARNING: To avoid serious injury, gas tank should be empty or less than $\frac{1}{4}$ full before tipping snow thrower forward, or gas may leak from vents in gas cap. Gasoline is highly flammable!

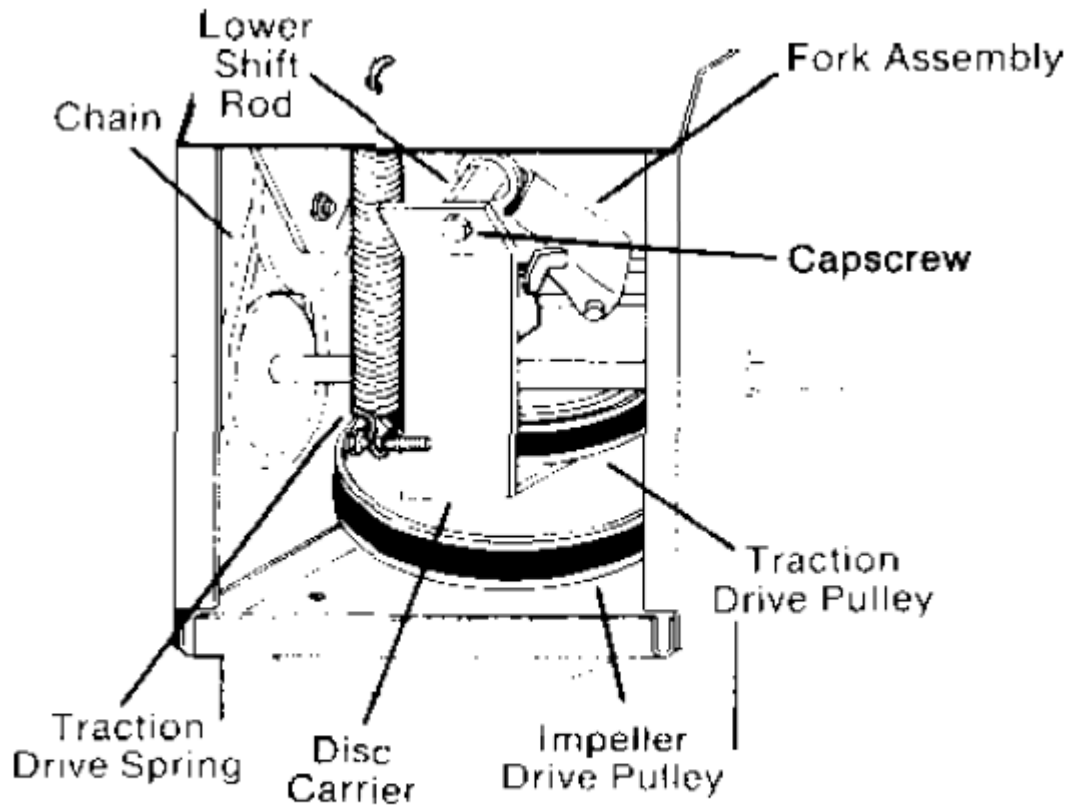
- A. Tip snow thrower forward and rest top portion of collector housing on block of wood, shown in (Fig. 36).



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FIG. 36

- B. Take off the bottom inspection cover by removing the four cap-screws and lockwashers.
- C. Remove traction drive spring (Fig. 38) along with the capscrew securing the disc carrier to lower shift rod. (Fig. 38)



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FIG. 38

- D. Remove both wheels by removing the klik pins through the wheel hubs. Pull wheels off of axle.
- E. Remove three hex nuts and lockwashers holding friction wheel against hub. (Fig. 46) Remove wafer head bolts from hub.

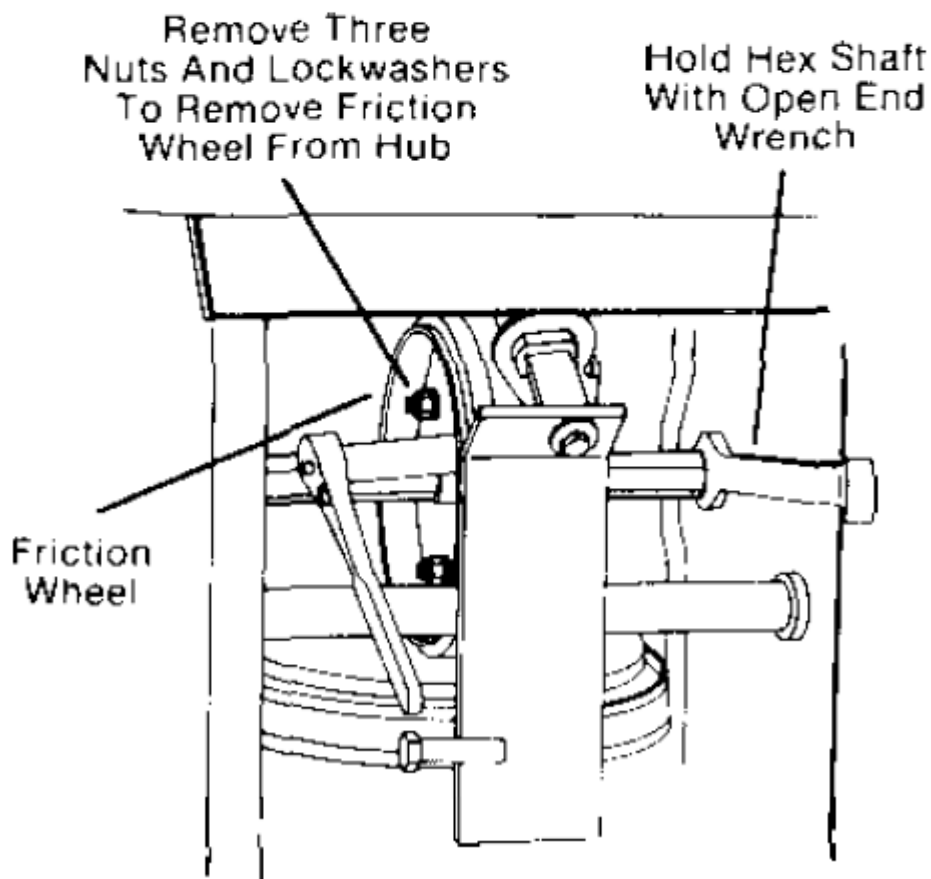
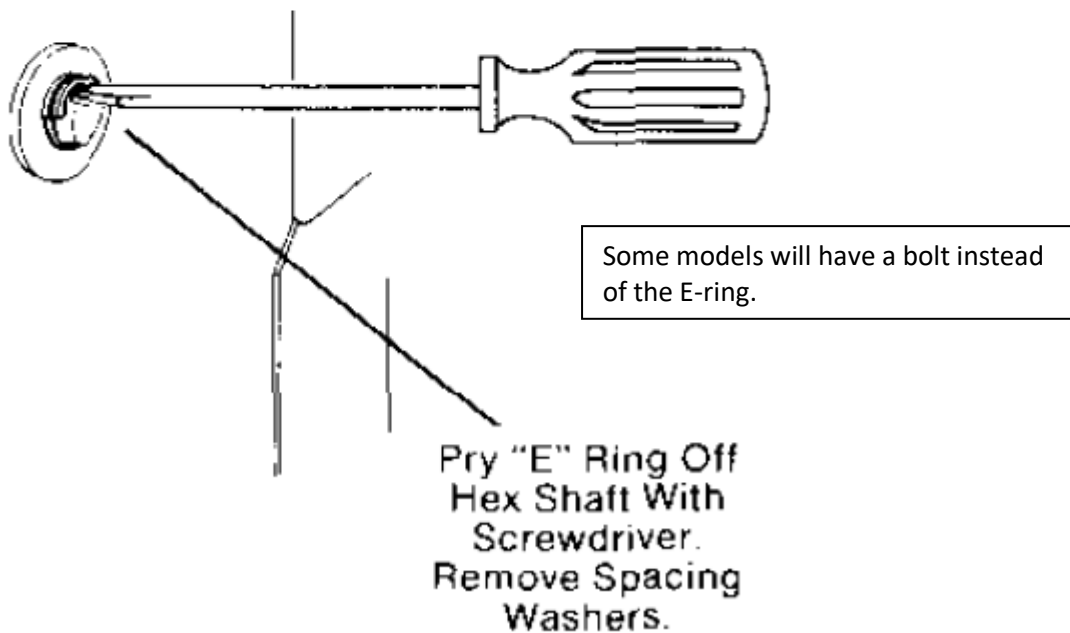


FIG. 46

NOTE: It may be necessary to hold the traction drive hex shaft with a $\frac{3}{4}$ " open end wrench (Fig. 46) when removing hex nuts.

Allow wheel to rest gently on hex shaft.

- F. Remove "E" ring and spacing washers from both ends of hex shaft. (Fig. 47)



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FIG. 47

G. Tap hex shaft to the right and remove right side hex shaft bearing. (Fig. 48)

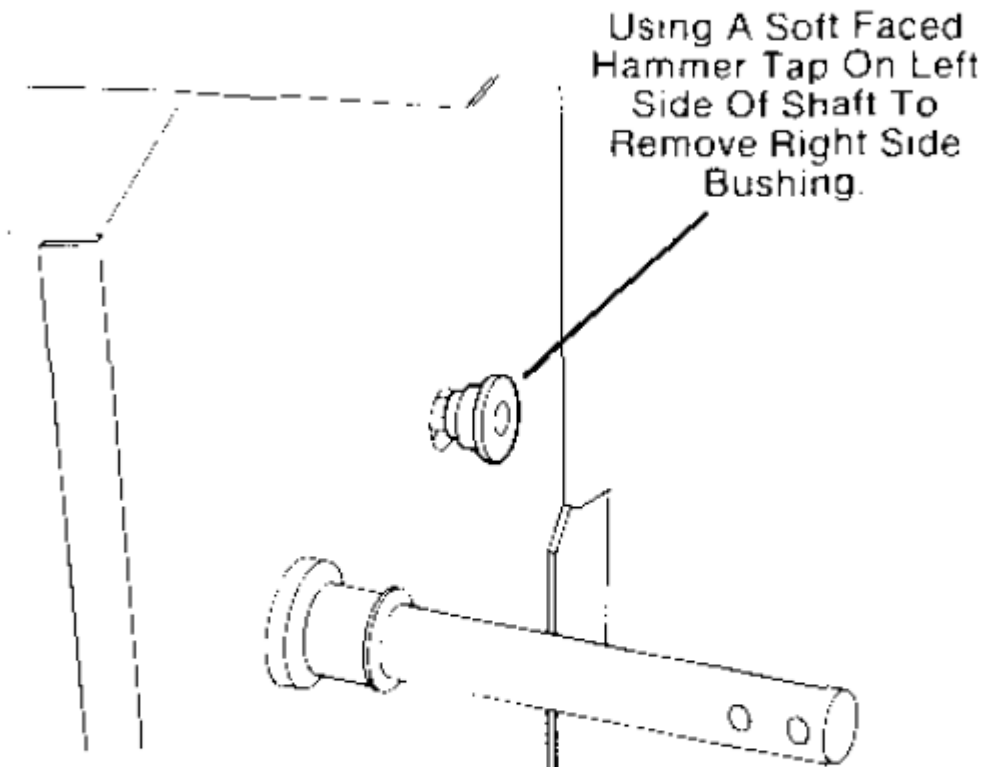


FIG. 48

IMPORTANT: Use a soft faced hammer when tapping on hex shaft, to prevent damage to ends of shaft.

Tap hex shaft to the left and remove left side bearing.

H. Push the hex shaft to the right while holding the sprocket against the left side. (Fig. 49) Push the shaft far enough through right side frame to allow the friction disc to be removed. Remove disc.

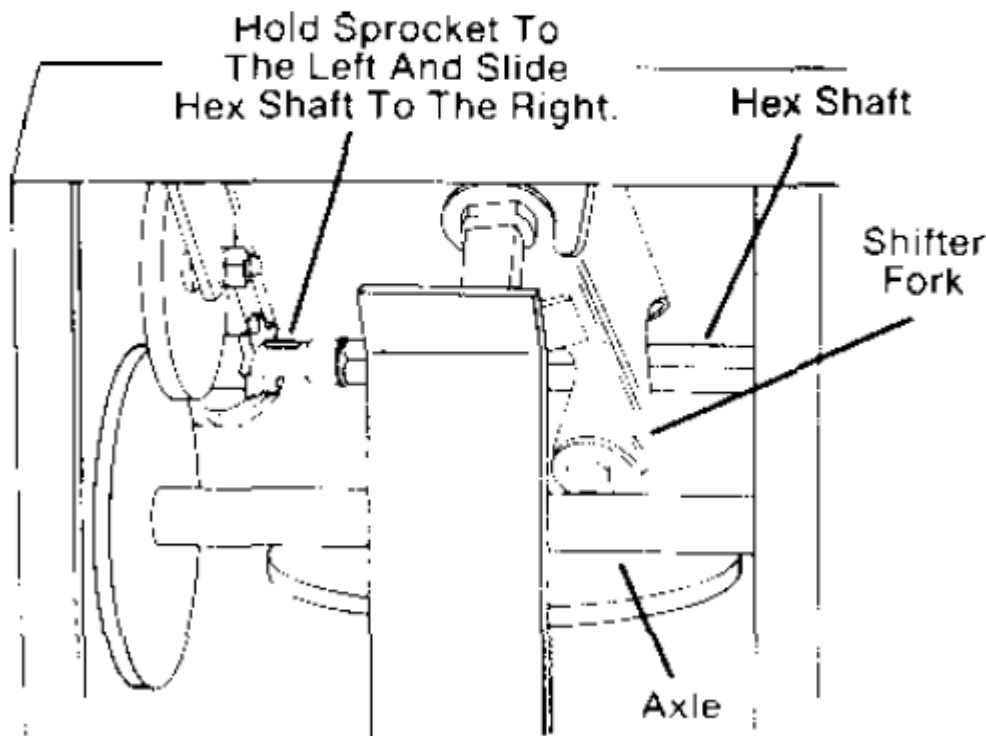


FIG. 49

NOTE: It may be necessary to hold lower shift rod up while removing disc.

NOTE: Do not lose woodruff key in hex shaft. (Fig. 49)

- I. Reverse above procedures to replace friction wheel. If replacing friction wheel hub, continue on with step "J".
- J. Push hex shaft out the left bearing hole until snap ring on hex shaft is exposed. Remove snap ring from hex shaft.
- K. Slide hex shaft out right bearing hole until friction wheel hub can be removed from shifter fork. Work hub out above axle.
- L. Service friction wheel hub as required. Reverse above procedures to install new hub and lightly lubricate hex shaft and shift fork pins with NLGI Grade 2 Lithium base EP grease when reassembling.