

Gilson BROTHERS COMPANY

BOX 152. PLYMOUTH, WISCONSIN 53073. U.S.A.. PHONE (414) 893-1011

December 4, 1978

SERVICE BULLETIN #113

Subject: Weak Reverse On Models 55143, 55144, 5143 and 5144

Reports have been received that the friction wheel slips on the traction drive pulley under load in reverse. The traction drive support arm spring(s) is too weak in the reverse position. It is therefore necessary that a stronger spring #208988 be re-positioned on the right hand side of the assembly.

1. Tip unit up and support as necessary.
2. Remove bottom inspection cover (5 bolts).
3. Remove all traction drive springs attached from arm on left side of module to back cover panel (See Fig. 1). Do not remove reverse spring.
4. On the right side panel, remove the bottom front side panel capscrow (3/4" long) and replace it with the 70149 cap-screws (5/16"-18 X 1"). Install a cone lock nut, 70629 (5/16"-18), on bolt until it is flush with end of bolt.
5. Using the 208988 spring, hook the short-looped end of the spring around bolt (open side up) and route in front of axle shaft.
6. Clamp a vise grip pliers to the long loop on the opposite side of axle shaft. Use axle as a pivot, pulling spring into large hole in traction drive support arm.

NOTE: REFER TO FIG. 2 FOR PICTURE OF CORRECT INSTALLATION.

7. Replace bottom inspection cover.

REMOVE ALL SPRINGS
IN THIS LOCATION ONLY

FIG 1

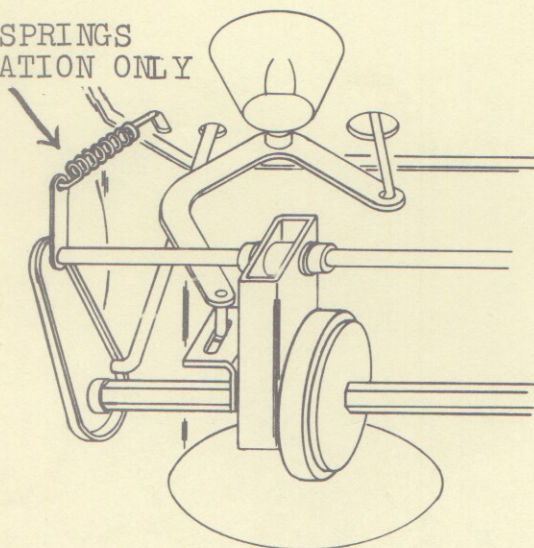
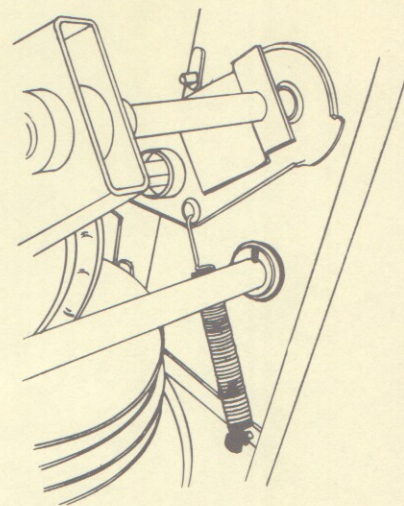


FIG 2



Please file a warranty claim covering labor through your regular channels or distributor.

Service Department

RM/bg

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BOX 152. PLYMOUTH, WISCONSIN 53073, U.S.A.. PHONE (414) 893-1011

July 2, 1979

Service Bulletin #113A (Replaces Bulletin 113 and Service Letter October 9, 1978)

TO: All Distributors and Dealers

SUBJECT: Weak Reverse 4 Speed Forward Snowthrowers

MODELS: 37-4311, 37-4322, 5143, 5144, 55143 & 55144

The change of springs and their mounting position have not always satisfactorily resolved all the problems of a weak reverse in heavy snow.

A positive reverse rod assembly is now available. This kit may be installed on those units where customers are unsatisfied with the reverse action.

The reverse rod kit varies by engine horsepower because of the different handle bar lengths.

5 HP units order kit number 89462

8 HP units order kit number 89463

Installation instruction sheet #89465 is included in the kit.

Warranty may be filed covering parts and labor. The average installation time is 30 minutes including testing time.

Service Department
RLM/bg

O U T D O O R P O W E R E Q U I P M E N T

PLANTS AT: MISSISSAUGA, ONT., STATESVILLE, N.C., FREDONIA AND PLYMOUTH, WIS.

NO. 89462 SERVICE KIT FOR 5 H.P.

- 1 - 11707 Spring
- 1 - 209895 Shift Rod Assembly
- 1 - 209896 Stop Collar
- 1 - 70050 Set Screw
- 1 - 209894 Slide Tube
- 1 - 209893 Slide Rod
- 2 - 70721 Cotter Pin

NO. 89463 SERVICE KIT FOR 8 H.P.

- 1 - 11707 Spring
- 1 - 209892 Shift Rod Assembly
- 1 - 209896 Stop Collar
- 1 - 70050 Set Screw
- 1 - 209894 Slide Tube
- 1 - 209893 Slide Rod
- 2 - 70721 Cotter Pin

1. Tip snowthrower up and block into position to gain access to underside of snowthrower and remove inspection cover (bottom plate). **NOTE:** Remove and ground spark plug wire, then drain fuel.
2. Remove all springs connected to traction drive mechanism (this **does not** include V-Belt idler springs or linkage dampening spring).
3. Install spring #11707, from service kit, between traction drive support arm assembly and slot in upper left hand corner of backing plate. (See Figure 1)
4. Remove shifter rod end from shifter rod and control lever assembly, (save bolts, nuts, and washers).
5. Remove cotter pin from clutch link and remove clutch link from bellcrank.
6. Insert, from the right side, pin on shift rod assembly (supplied in kit) through control lever assembly. Then place eyelet of slide tube (supplied in kit) over protruding pin and secure with cotter pin. (Supplied in kit) (See Fig. 2)
7. Turn square head setscrew into stop collar just enough so it will not fall out. (Supplied in kit)
8. Slide stop collar onto slide rod (supplied in kit) and insert slide rod into slide tube. Attach slide rod to bellcrank by inserting clutch link through slide rod then through bellcrank and secure linkage with cotter pin. (Supplied in kit) (See Fig. 2)

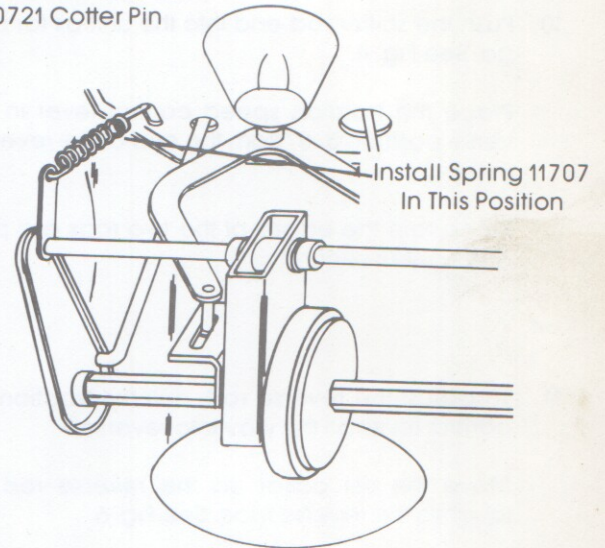


FIG. 1

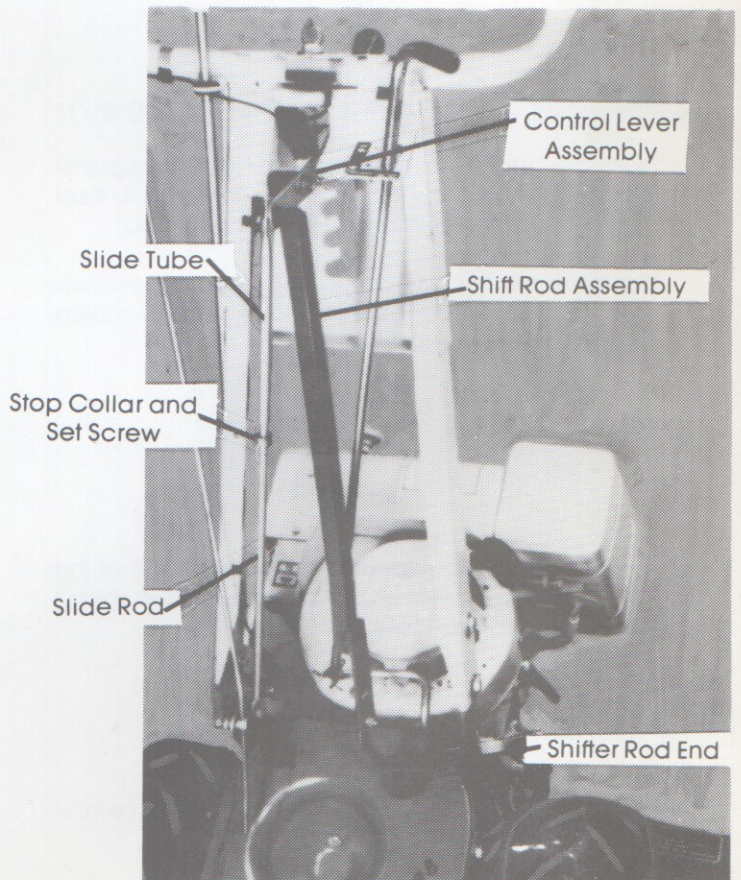


FIG. 2

9. Connect the shifter rod to the shifter rod end with two (2) 1/4-20 x 3/4 carriage bolts, 1/4 lock washers, and 1/4-20 hex nuts removed from unit in step 4.

Make certain the head of the bolts are on the slotted sides of the rods. See Fig. 3.

Do not tighten bolts at this time.

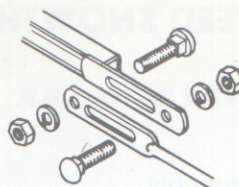


FIG. 3

10. Push the shifter rod end into the unit as far as it will go. See Fig. 4.

Place the traction speed control lever in the reverse position 3/8" from the end of the reverse slot. See Fig. 5.

Be certain the edges of the two rods are parallel and tighten securely.

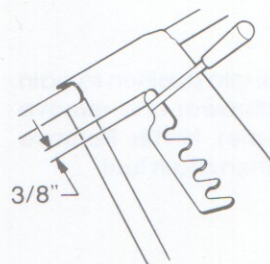


FIG. 5

11. To adjust the reverse rod; pull the traction speed control lever all the way into reverse.

Move the set collar up the reverse rod until it touches the reverse tube. See Fig. 6.

Tighten screw securely.

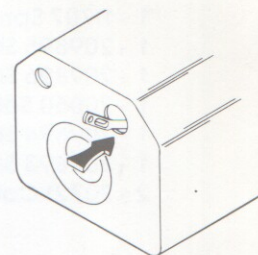


FIG. 4

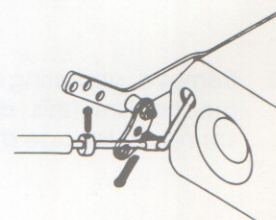


FIG. 6

12. To adjust the clutch control loosen setscrew (Fig. 7).

With the grip lever held up, but not tight against handle bar, insert and tighten the 5/16-18 x 3/4 set screw in the swivel stud to lock the clutch rod.

Squeeze the traction clutch grip lever to declutch the traction drive before moving the traction speed control lever. (See Fig. 8)

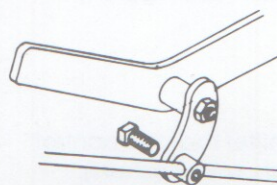


FIG. 7

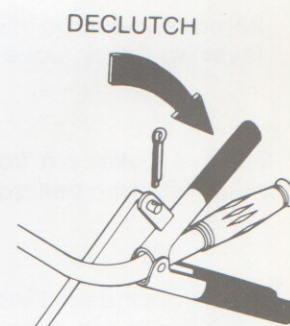


FIG. 8

13. Prior to installing inspection cover, check that the drive tire is centered on the drive disc, when speed control is in neutral (see Fig. 9).

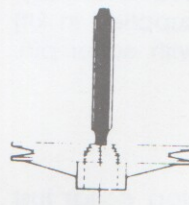


FIG. 9

14. Also tighten the nylon setscrew on the drive disc (see Fig. 10).

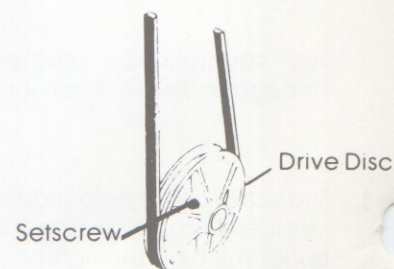


FIG. 10