



Service Kit 753-05600A

Date: 4/16/2008

Subject: Service Replacement for the Horse Tiller GW-1484 Pulley

Models Affected: N/A

Read through and understand these instructions completely before proceeding with repair.

PURPOSE:

This service kit replaces the GW-1484 transmission pulley which is no longer available. This kit will convert the single belt/two speed drive w/ reverse configuration to the single belt/single speed drive w/ reverse configuration.

NOTE: These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

NOTE: Save this Instruction Sheet. Refer to it when ordering replacement parts.

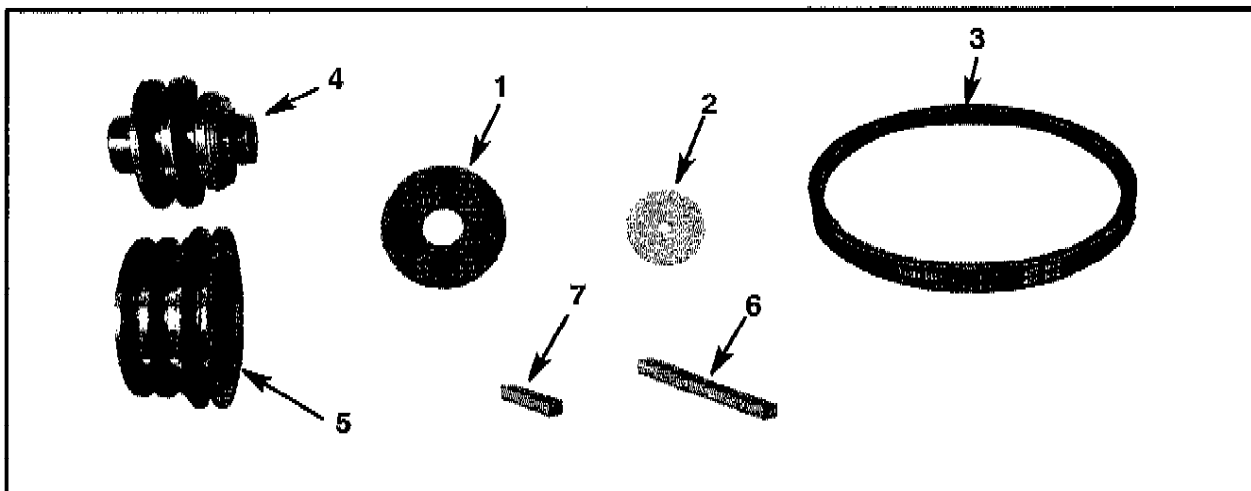


FIGURE 1

Service Kit Contents

(See Figure 1)

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	GW-2732	1	DISC: REVERSE: FIBER
2	736-04294	1	WASHER: FLAT
3	GW-1128-1	1	BELT
4	619-04124	1	PULLEY: ENGINE
5	GW-1008-1	1	PULLEY: TRANSMISSION
6	GW-9303	1	KEY: 3/16" SQ. x 2-1/2" LG.
7	GW-9301099	1	KEY: 3/16" SQ. x 1" LG.
8	*	1	THIS INSTRUCTION SHEET

* - Not Available Separately

Pre-Service Preparation:

1. Place tiller on a flat and level surface, turn engine off, and allow engine and muffler to cool before proceeding.

2. Remove spark plug wire from the spark plug and ground to engine block.

Units with Electric Start:

3. Refer to Figure 2. Disconnect the frame ground lead from the NEGATIVE battery terminal.

4. At the starter solenoid, disconnect the heavy gage lead coming from the electric starter motor on the engine.

5. At the starter solenoid, disconnect the frame ground lead that goes to the engine block.

6. Disconnect the two single wire connectors (red wires) that come from the main harness to the engine.

7. Follow the small green wire from the main harness towards the engine up to the ignition shorting switch on the engine and remove the end of the wire from the switch.

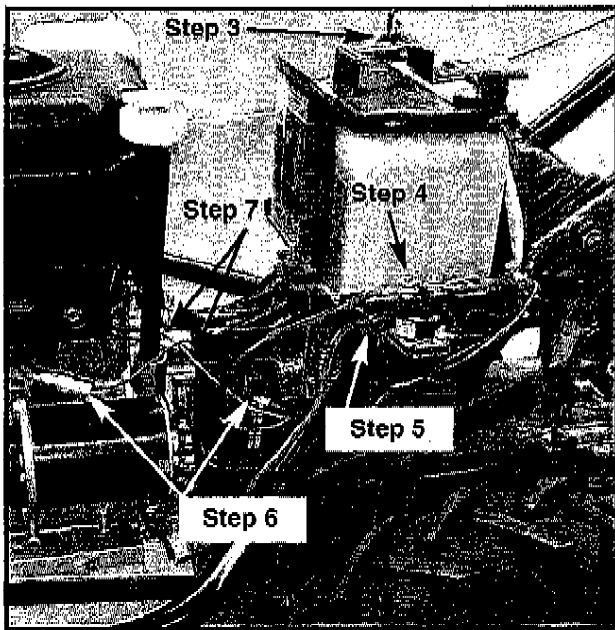


FIGURE 2

Engine Removal:

8. Remove the throttle cable retainer clip from the front of the engine and unhook the cable's "Z" end fitting from the throttle lever.

9. If tiller is equipped with a bumper, place the engine in the neutral position. Remove the two bolts that secure the lower bumper brace to the upper bumper loop and the one bolt to the transmission case. See Figure 3.

10. Remove the two bolts that secure the upper bumper loop to the top of the engine mounting bars. See Figure 3.

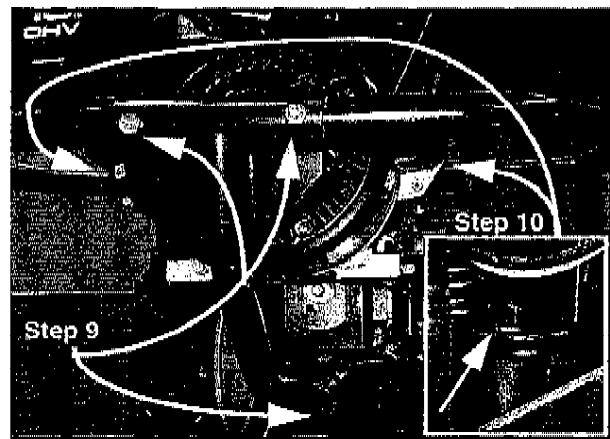


FIGURE 3

11. Securely support the engine from underneath with wood blocking or other suitable method to keep the engine from falling when unbolting the engine mount.

12. On the engine pulley, move the drive belt to the "V" groove closest to the engine. With the drive in the neutral position the belt can be positioned out of the front most "V" groove of the transmission pulley.

13. Refer to Figure 4. On both left and right sides of the engine mount, remove the bolt, lock washer, flat washer, spacer and flat washer securing the yoke bracket to the engine mount.

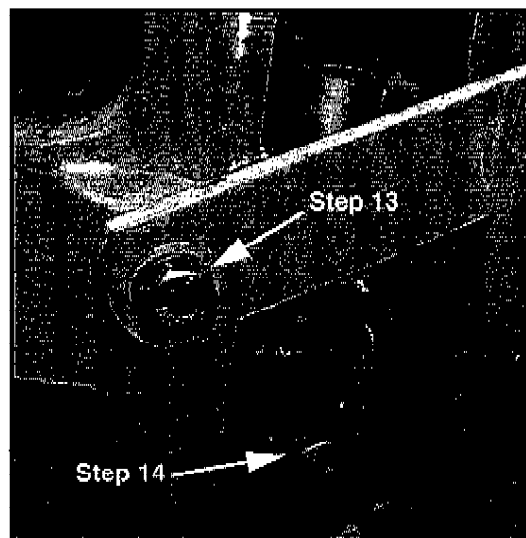


FIGURE 4

14. On both left and right sides of the transmission housing, loosen the jam nut and remove the bolt securing the engine mounting bars to the transmission case. See Figure 4.

15. Carefully remove the two engine mount bars from the transmission housing.

NOTE: Clean off the exposed portions of the engine mount bars to remove debris and rust. It may be necessary to use a rust penetrant on the top portion of bar and into the empty bar retaining bolt hole to free up the bars in the transmission case.

CAUTION: DO NOT use a steel rod or hammer on the ends of the bars which could deform the end of the bars. This could result in the inability to removal of the bars from the transmission case bores.

16. Remove the engine/engine mount sub-assembly and securely position it so that the engine pulley can be accessed.

Service Kit Installation:

17. Remove the bolt, lock washer and flat washer (discard flat washer) securing the engine pulley to the engine crankshaft.

18. Remove and discard the reverse disk, engine pulley and key from the crankshaft.

19. Install the new Key, Item 6; Engine Pulley, Item 4; and Reverse Disc, Item 1 onto the engine crankshaft and secure using the new Flat Washer, Item 2 and the bolt and lock washer removed in Step 17. Tighten securely.

20. Remove and discard the existing transmission pulley and key from the transmission main drive shaft.

21. Install the new Key, Item 7 and Transmission Pulley, Item 5, onto the power unit main drive shaft. Secure with the bolt and disc spring washer removed in Step 20. Tighten securely.

22. Place the new Belt, Item 3, onto the engine pulley.

Re-Assembly of Tiller:

23. Clean and oil the two mounting bars, engine mount and transmission bar holes. Pre-insert bars into the engine mount and transmission holes to ensure easy fit.

24. Position the engine/engine mount sub-assembly onto the wood blocking to support the sub-assembly at the correct height to mate with the transmission case.

25. Align the engine/engine mount subassembly onto the transmission case. Work the belt onto the transmission pulley as the engine is brought into mating with the transmission.

26. Install one bar at a time securing the engine mount to the transmission case. Lock the bars into place with the hardware removed in Step 14.

27. Complete the re-assembly in the reverse order of disassembly.

28. This completes the installation of this service kit.

NOTES