



Service Kit

753-04875

Date: 9/8/2004

Subject: Chute Rotation Pulley/Cable Assembly Replacement

Models Affected: 2004-2005 and later 2 Stage Snow Thrower models with 4-Way Discharge Chute Control Joystick.

PURPOSE: Use this kit when repairing the chute rotation pulley assembly or chute rotation cables. The individual components of this assembly are not available separately and are only serviced with this completely pre-assembled service kit. **Read through and understand these instructions completely before proceeding with repair.**

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.*

Service Kit Contents (See Figure 1)

| ITEM NO. | PART NUMBER | QTY | DESCRIPTION |
|----------|-------------|-----|---------------------------|
| 1* | 753-04875 | 1 | ROTATION CONTROL ASSEMBLY |
| 2 | 769-01365 | 1 | THIS INSTRUCTION SHEET |

* - Rotation Control Assembly is factory pre-assembled. Components are not available separately

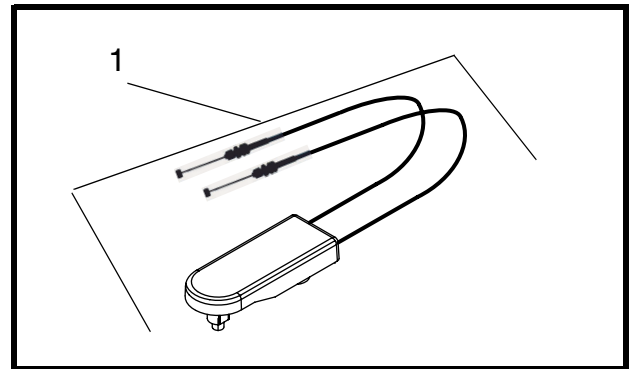


FIGURE 1

Pre-Service Preparation:

NOTE: *Reference to left, right, forward and rear are from the operator's position facing the handles.*

1. Place the snow thrower on a flat surface.
2. Disconnect spark plug wire from spark plug and ground to loop end of cable guide on top of engine.
3. Ensure oil dipstick/plug is tight.
4. Drain fuel tank (Preferred). Optional: Remove fuel cap from fuel tank. Place a piece of thin plastic sheet over the fuel tank mouth. Replace fuel cap and tighten securely.
5. Using the joystick, rotate the discharge chute to the middle position (chute pointing straight forward).
6. Using the handles, tip the snow thrower forward so that the unit is resting on the front of the auger housing. See Figure 2. Check for oil or fuel leaks.



FIGURE 2

Chute Rotation Pulley/Cable Assembly Removal:

7. Loosen, do not remove, the six (6) screws securing the joystick bracket to the panel. See Figure 3.

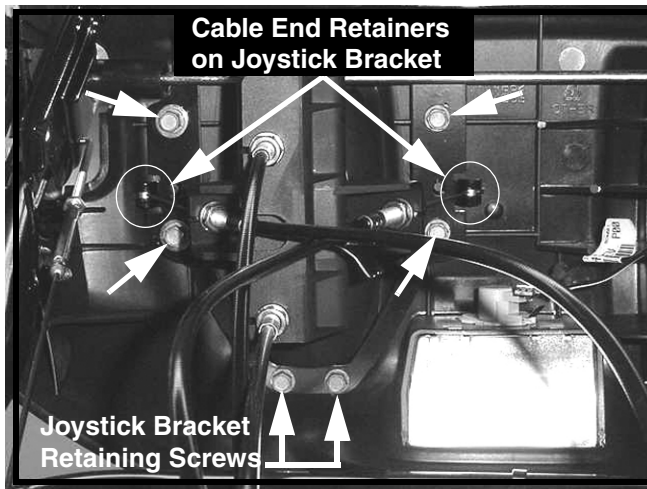


FIGURE 3

8. Slip the rotation pulley/cable assembly cable ends out of the cable end retainers on the joystick bracket. See Figure 3.

9. Mark each cable as to its proper location and each side of the joystick housing with a matching mark. These will be required later in the reinstallation.

10. Remove both chute rotation cables as follows. Slide the rubber seal cap off from the threaded cable end. Using a 1/2" open end wrench and pair of pliers, loosen and remove the hex jam nut nearest the end of the threaded ferrule. To retain current cable adjustment, **DO NOT** move the lower hex nut. See Figure 4.

11. Slide the threaded cable end out of the housing's cable bracket hole and slip the cable out through the slot in the cable bracket. See Figure 4.

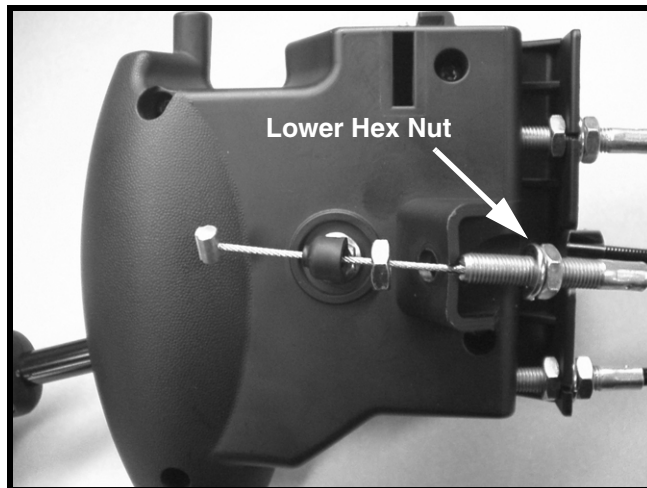


FIGURE 4

12. Remove the chute rotation pulley assembly from the support tube by removing the hairpin clip and clevis pin. See Figure 5.

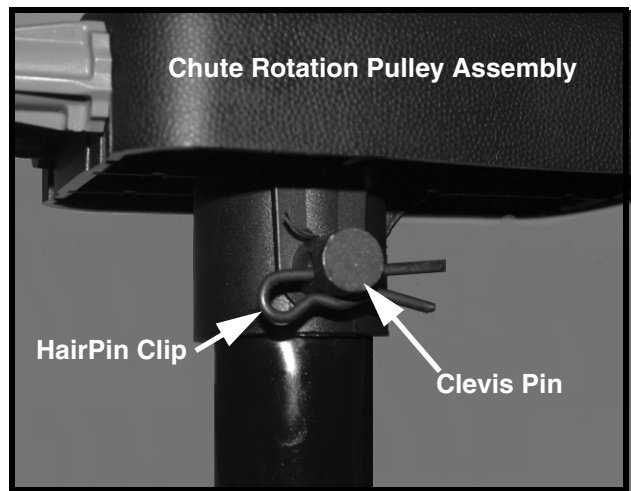


FIGURE 5

New Chute Rotation Pulley/Cable Assembly Prep:

13. Lay the old pulley assembly next to the new pulley assembly and transfer the cable/housing side location marks to the new pulley assembly cables. Refer to Step 9.

14. Slip the rubber seal caps off of the cable's threaded end and remove the hex jam nut nearest the end of the threaded ferrule.

15. Adjust the lower hex nut on the new cables threaded end to the same distance as the lower hex nuts are on the old cables. This will facilitate final adjustment after installation.

Chute Rotation Pulley/Cable Assembly Installation:

16. Install the new Chute Rotation Pulley/Cable Assembly in reverse order of the **Chute Rotation Pulley Assembly Removal Instructions**.

Joystick Control Cable Adjustment:

17. Select the corresponding two cables of the chute motion requiring adjustment. See Figure 12.

18. Using a 1/2" wrench, loosen the upper and lower hex nuts found on one of the cable adjusters.

19. Grasp the threaded metal cable housing and gently push upward to take up slack (usually no more than 1/4 inch) in the cable before retightening both hex nuts.

20. Repeat for the other corresponding cable.

21. Repeat Steps 33 through 35 until the chute rotation or deflector motion is obtained.

22. When properly set the amount of threaded end showing below the bottom hex nut on corresponding control cables should be approximately equal.

23. Refer to the Operator's Manual for proper auger clutch and wheel drive clutch cable adjustments.