

# Service Kit 753-0909

CODE: CP-047

DATE: July 18, 2001

SUBJECT: String Trimmer Belt Guide  
Addition

MODELS AFFECTED: BBC style units for  
model years 2000 and 2001

Install this kit in the event that the belt continues to come off of the spindle pulley when releasing the Control Lever (Spindle Brake Lever). This kit applies to BBC style (when the Control Lever is released ONLY the spindle stops, the engine continues to run) units that have a Control Lock Bracket on the right hand side of the upper handle (See Figure 1).

## Service Kit Contents

REF. NO.	PART NUMBER	QTY	DESCRIPTION
1	754-0625A	1	Belt: "V" Typ: 3/8" x 44.40" Lg
2	748-0278	1	P/M Spacer
3	736-0425	1	Washer, Bell: .325" ID: .930" OD: .045"
4	710-3073	1	HHCS: 5/16"-18 x 2.25":GR5: Std
5	712-3004A	1	Nut Hex Flange Lock: 5/16"-18

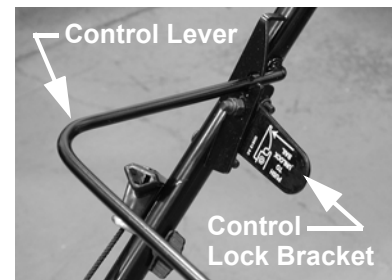


Figure 1

### How to determine which model year your unit is...

**2001 model year units have an extension spring located along side the Idler Bracket bolt (See Page 1, Figure 2)**

**2000 model year units have a torsion spring located around the Idler Bracket bolt (See Page 3, Figure 8)**

### Belt Guide Installation Procedure for 2001 Model Year Units:

1. Remove the four (4) 1/4"-20 carriage bolts that hold the Deflector-Flap to the Trimmer Base.
2. Drain the fuel tank. Option - Remove fuel cap and place a piece of thin plastic sheet over the fuel tank mouth. Replace fuel cap tightly. Ensure oil fill cap is tight.
3. Turn the trimmer onto it's right side (as viewed from the operator's position) so that the carburator and air filter are up.  
CAUTION: Do not set weight of trimmer onto the side of the plastic wheel rim.
4. Refer to Figure 2. Loosen (do not remove) the two (2) wing nuts for the Spindle Disc and slide the Spindle Disc towards the Spindle Cap.
5. With a pair of pliers remove the extension spring from the Idler Bracket. Retain for future use.

### 6. Belt Removal Procedure: (Refer To Figures 2 and 3)

- A. Remove the hex nut holding the Idler Pulley and Idler Keeper Bracket. Remove the Idler Pulley and Keeper Bracket. Retain for future use.
- B. Gently work the belt from between the belt keepers and Spindle Pulley and onto the "A" portion of the Spindle Shaft.
- C. At the engine pulley, gently work the belt between the belt keepers and off the engine pulley. It may be necessary to remove wheel axle.

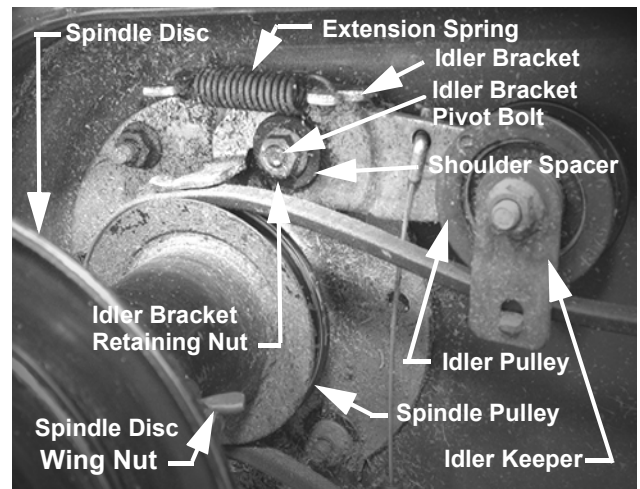


Figure 2

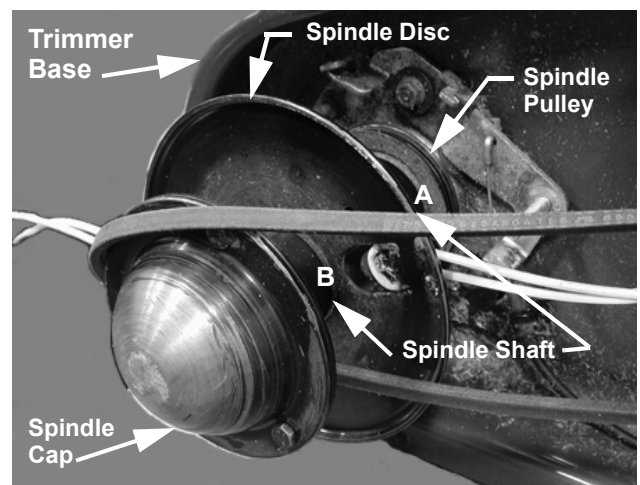


Figure 3

- D. Work the belt from between the axle and engine pulley onto the shaft between the engine pulley and flywheel pulley disc.
- E. Slide the Spindle Disc up towards the Spindle Pulley. Work the belt over the Spindle Disc onto the "B" portion of the Spindle Shaft.
- F. Work the belt over the Spindle Cap and off the Spindle.
- G. At the engine, work the belt over the flywheel pulley disc and off. Discard the old belt.

- 7. Refer to Figure 2. Slide Spindle Disc down next to Spindle Cap.
- 8. Remove Idler Bracket Retaining Nut, Shoulder Spacer and Idler Bracket from staked-in Idler Bracket Pivot Bolt. Note how the shoulder spacer is set into the Idler Bracket. Retain for future use.
- 9. Support the Trimmer's Base at the spindle end against a suitable non-movable object. Ensure that the area around the staked-in Idler Bracket Pivot Bolt head is free from the support.
- 10. Refer to Figure 4. Place a large drift pin or other suitable metal rod against the threaded end of the staked-in Idler Bracket Pivot Bolt. With a hammer drive the staked-in bolt back out of the Trimmer's Base. There may be slight raising of the Trimmer's Base around the hole after staked-in bolt removal. Carefully tap this raised area back flush with the Trimmer's Base.
- 11. Place the supplied bell washer, 736-0425, onto the supplied 5/16"-18 x 2.25 hex bolt, 710-3073. This bolt will be referred to as the Idler Bracket Pivot Bolt. Ensure that the cup of the bellwasher is facing away from the head of the bolt.
- 12. From the top side of the Trimmer's Base insert the bolt and washer assembled in Step 12 into the hole from which the staked-in stud was removed. Ensure that the cup of the bell washer is facing the Trimmer's Base.
- 13. Refer to Figure 5. Place the Idler Bracket onto Idler Bracket Pivot Bolt.
- 14. Place the shoulder spacer, removed in Step 8, onto the Idler Bracket Pivot Bolt. Ensure that the smaller diameter of the shoulder spacer is placed into the Idler Bracket hole.
- 15. Place the supplied P/M Spacer, 748-0278, onto the Idler Bracket Pivot Bolt. The hex end of the P/M Spacer must be placed next to the shoulder spacer.
- 16. Install the supplied hex lock nut, 712-3004A, and tighten securely.
- 17. Refer to Figure 6. Install the supplied belt, 754-0625A, in the reverse sequence as stated in Step 6, Idler Pulley and Idler Keeper, removed in Step 6A, and tighten securely. Ensure belt is routed correctly and the Control Cable is positioned in the Idler Bracket as shown.
- 18. Check for the free movement of the Idler Bracket by swinging it manually.
- 19. Reinstall the extension spring removed in Step 5.
- 20. Position unit back onto it's wheels and reinstall Trimmer Deflector.
- 21. Remove plastic sheet from under fuel tank cap.

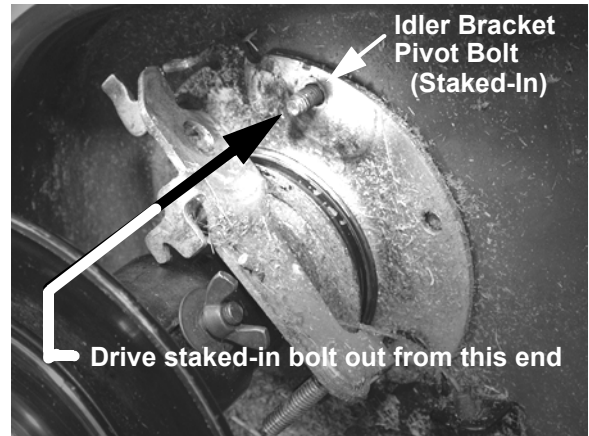


Figure 4

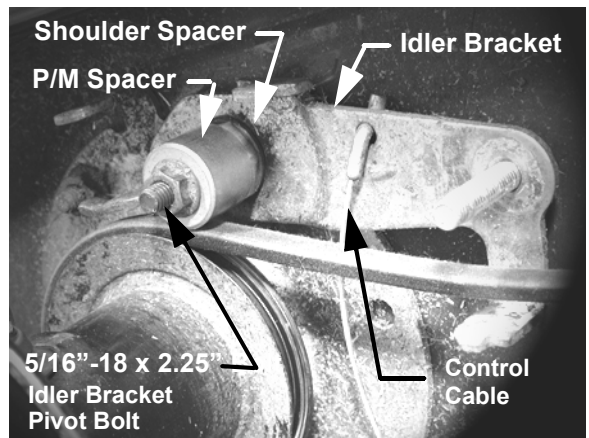


Figure 5

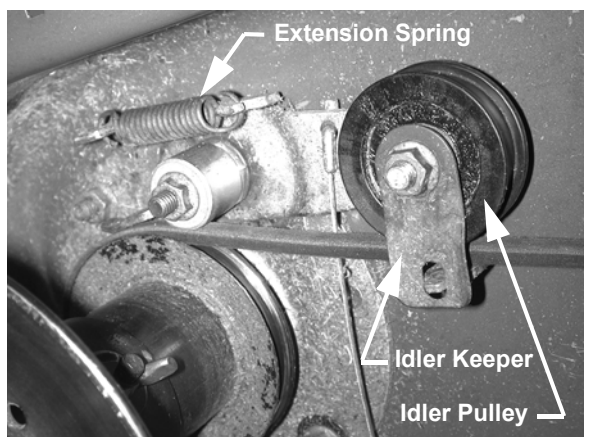


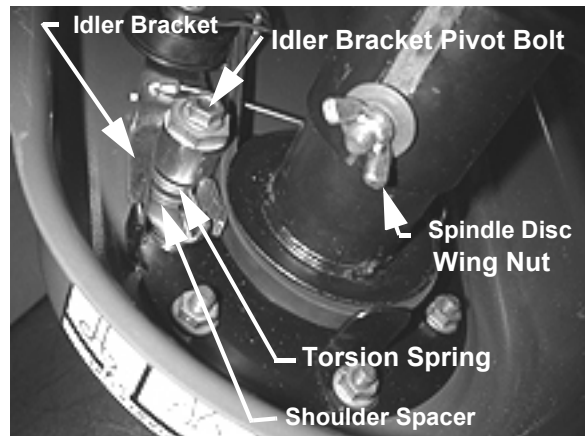
Figure 6

**Belt Guide Installation Procedure for 2000 Model Year Units:**

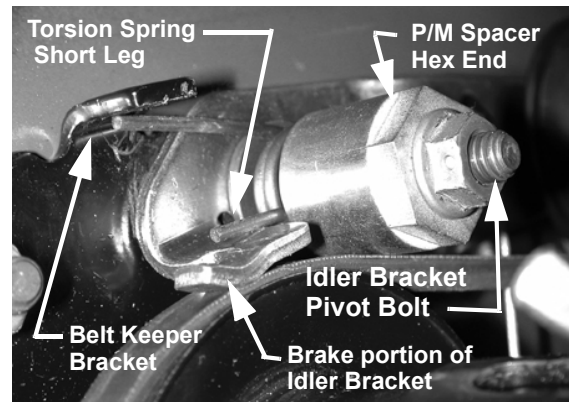
1. Remove the four (4) 1/4"-20 carriage bolts that hold the Deflector Flap to the Trimmer Base.
2. Drain the fuel tank. Option - Remove fuel cap and place a piece of thin plastic sheet over the fuel tank mouth. Replace fuel cap tightly. Ensure oil fill cap is tight.
3. Turn the trimmer onto it's right side (as viewed from the operator's position) so that the carburetor and air filter are up. CAUTION: Do not set weight of trimmer onto the side of the plastic wheel rim.
4. Refer to Figure 3. Loosen (do not remove) the two (2) wing nuts for the Spindle Disc and slide the Spindle Disc towards the Spindle Cap.

**5. Belt Removal Procedure: (Refer To Figures 2 and 3)**

- A. Remove the hex nut holding the Idler Pulley and Idler Keeper Bracket. Remove the Idler Pulley and Keeper Bracket. Retain for future use.
  - B. Gently work the belt from between the belt keepers and Spindle Pulley and onto the "A" portion of the Spindle Shaft.
  - C. At the engine pulley, gently work the belt between the belt keepers and off the engine pulley. It may be necessary to remove wheel axle.
  - D. Work the belt from between the axle and engine pulley onto the shaft between the engine pulley and flywheel pulley disc.
  - E. Slide the Spindle Disc up towards the Spindle Pulley. Work the belt over the Spindle Disc onto the "B" portion of the Spindle Shaft.
  - F. Work the belt over the Spindle Cap and off the Spindle.
  - G. At the engine, work the belt over the flywheel pulley disc and off. Discard the old belt.
6. Slide the Spindle Disc down next to Spindle Cap.
  7. Remove Idler Bracket Retaining Nut and flat washer and discard. Remove the Torsion Spring and torsion spring spacer from the Idler Bracket Pivot Bolt. Note the arrangement of the Idler Bracket hardware for reassembly later. Retain Torsion Spring, torsion spring spacer and shoulder spacer for future use.
  8. Remove the original Idler Bracket Pivot Bolt and bell washer. Discard both.
  9. Place the supplied bell washer, 736-0425, onto the supplied 5/16"-18 x 2.25 hex bolt, 710-3073. This bolt will be referred to as the Idler Bracket Pivot Bolt. Ensure that the cup of the bell washer is facing away from the head of the bolt.
  10. From the top side of the Trimmer's Base insert the idler pivot bolt and washer assembled in Step 9 into the hole from which the idler pivot bolt was removed. Ensure that the cup of the bell washer is facing the Trimmer's Base.
  11. Place the Idler Bracket onto the new Idler Bracket Pivot Bolt.
  12. Place the Shoulder Spacer, removed in Step 7, onto the Idler Bracket Pivot Bolt. Ensure that the smaller diameter of the shoulder spacer is placed into the Idler Bracket hole.



**Figure 7**



**Figure 8**

13. Place the Torsion Spring onto the Idler Bracket Pivot Bolt. Ensure that short leg of the torsion spring is set against the brake portion of the Idler Bracket as shown in Figure 8. Leave the longer end unhooked at this time.
14. Place the torsion spring spacer, removed in Step 7, within the torsion spring coil.
15. Place the supplied P/M Spacer, 748-0278, onto the Idler Bracket Pivot Bolt. The hex end of the P/M Spacer **must** be facing away from the torsion spring as shown in Figure 8.
16. Install the supplied hex lock nut, 712-3004A, and tighten securely.
17. Install supplied "V" belt, 754-0625A, in the reverse sequence as stated in Step 5, Idler Pulley and Idler Keeper, removed in Step 5A, and tighten securely. Ensure belt is routed correctly around engine, idler and spindle pulleys. Ensure the Control Cable is positioned in the Idler Bracket as shown in Figure 5.
18. Check for the free movement of the Idler Bracket by swinging it manually.
19. With a pair of pliers hook the long leg of the torsion spring behind the Belt Keeper Bracket as shown in Figure 8.
20. Position unit back onto it's wheels and reinstall Trimmer Deflector.
21. Remove plastic sheet from under fuel tank cap.

# NOTES