



Service Kit 753-11336

Date: March 29, 2022

Subject: **42" Deck Brake Kit**

Models Affected: Models from 2015 through 2021 with the letter "A" in the fifth (5) position and a "S" in the eighth (8) position (13XX**A**XX**S**XXX).

Parts Affected: **683-05182A** RH Deck Brake Assy.
732-05151A Torsion Spring
783-08863A Idler Pivot Bracket

Read and understand these instructions thoroughly before proceeding with repair.

PURPOSE:

A change was made to the idler pivot bracket, right hand brake puck assembly and the left hand brake torsion spring on the manual 42" Deck Models from 2015 through 2021 with the letter "A" in the fifth (5) position and a "S" in the eighth (8) position (13XX**A**XX**S**XXX).

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: Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.

NOTE: Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.

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

753- 11336 Service Kit Contents

(See Figure 1)

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	683-05182B	1	RH Deck Brake Assy.
2	783-08863B	1	Idler Pivot Bracket
3	732-08321	1	Torsion Spring
4	710-06133	2	M6-1x 0.625" Hex Acorn Washer Screw
5	712-04063	1	5/16-18 Nylon Lock Flange Nut

Instruction sheet included with kit

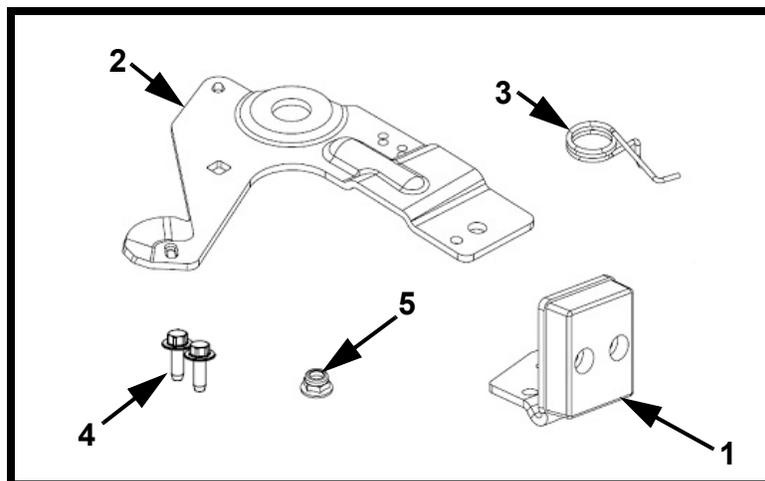


FIGURE 1

Installation Instructions:

1. Park the rider on a flat level surface. Engage the parking brake.
2. Disconnect the negative battery cable from the negative battery post.

3. Remove the mower deck. Refer to the Operator's Manual for mower deck removal. **NOTE: Removal of the deck belt covers is optional and may allow easier access for servicing the brake components.**

4. Note the orientation of the assembly of the torsion spring, shoulder spacer and mounting hardware.

5. Release the tension of the deck idler system by removing the tension spring from the rear deck bracket as shown in Figure 2.

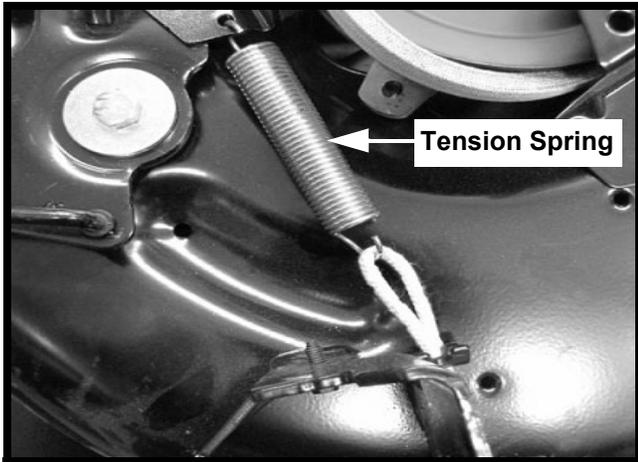


FIGURE 2

NOTE: Be-careful of the tension of the torsion spring.

6. Remove the hardware that secures the deck brake assembly, torsion spring and shoulder spacer. Retain all parts and hardware except discard the 5/16-18 nylon lock flange nut. Figure 3.

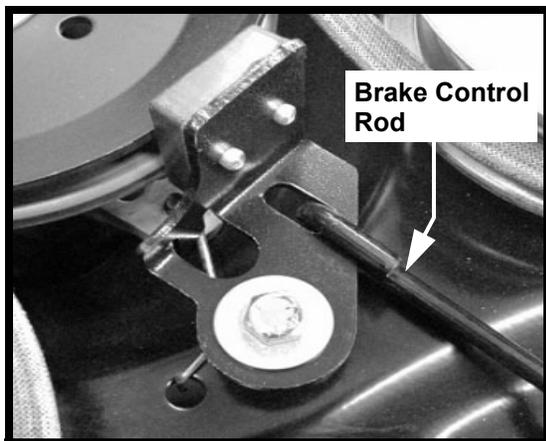


FIGURE 3

7. Remove and retain the hardware that secures the deck idler bracket assembly with flat idler pulley. See Figure 4.

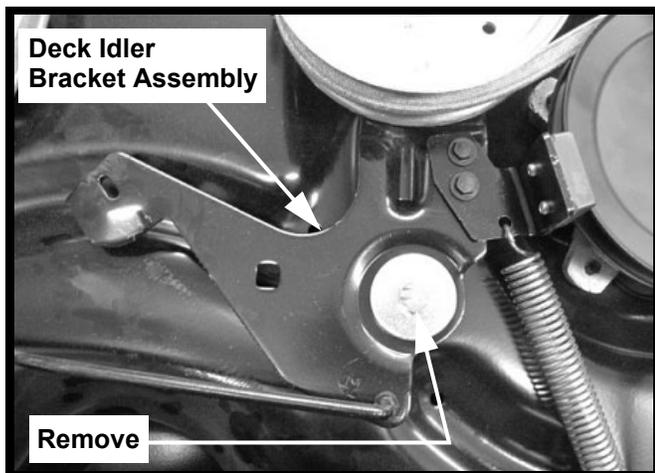


FIGURE 4

NOTE: It's good practice to take pictures at different angles of the assembly prior to disassembly.

8. Disconnect the brake control rod from the deck brake assembly from Step 6 and from the deck idler bracket assembly.

9. Remove and retain the tension spring from the RH Deck Brake Assembly mounted on the Idler Pivot Bracket.

10. Remove and retain the hardware that secures the flat idler pulley and belt keeper to the deck idler bracket assembly. Retain the flat idler pulley and belt keeper, discard the deck idler bracket with brake assembly.

11. Locate from the Service Kit Item #1 (**683-05182B**) RH Deck Brake Assembly, Item #2 (**783E08863B**) Idler Pivot Bracket and Qty. (2) of Item #4 (**710-06133**) M6-1x 0.625" Hex Acorn Washer Screws.

12. Assemble Item #1 (**683-05182B**) RH Deck Brake Assembly to Item #2 (**783E08863B**) Idler Pivot Bracket and secure with both of Item #4 (**710-06133**) M6-1x 0.625" Hex Acorn Washer Screw shown in Figure 5.

13. Torque the two (2) M6-1x0.625" screws to 68-85 In. Lbs.

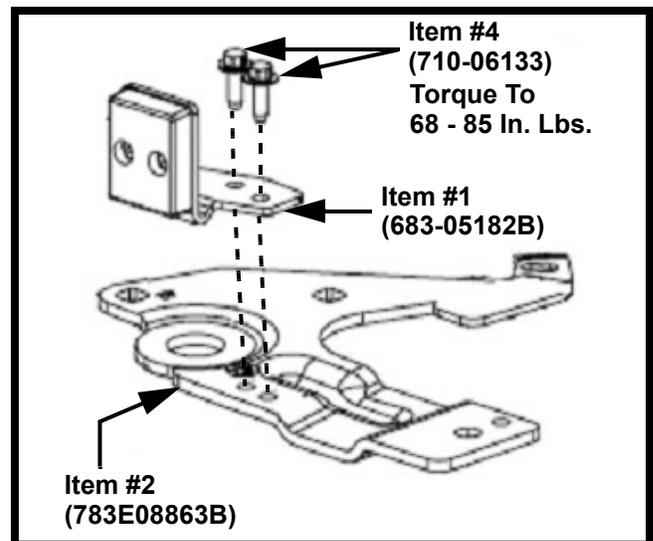


FIGURE 5

14. Install the brake rod removed in Step 8, refer to picture if taken for proper orientation.

15. Install the Flat Idler pulley on Item #2 (**783E08863B**) Idler Pivot Bracket with the hardware and belt keeper retained in Step 10. Torque the 3/8-16 hex bolt and top lock nut to 256-313 In. Lbs. (21-26 Ft. Lbs.).

16. Make sure the locating tab of the belt keeper is positioned in the locating hole of the Idler Pivot Bracket as shown in Figure 6.

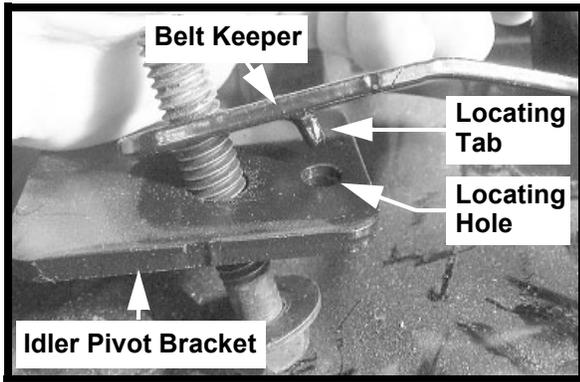


FIGURE 6

17. Install the tension spring from Step 9 into the hole in the RH Deck Brake Assembly as shown in Figure 7.

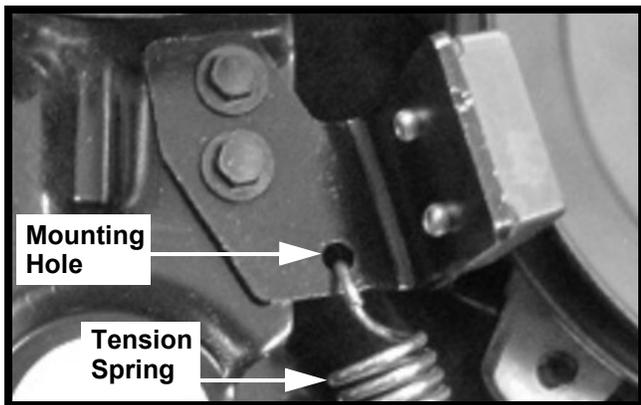


FIGURE 7

18. Install the Idler Pivot Bracket assembly on to the deck housing with the hardware retained in Step 7. Torque the 3/8-16 hex bolt and top lock nut to 256 - 313 In. Lbs. (21 - 26 Ft. Lbs.).

19. Install the shoulder spacer over Item #3 (732-08321) Torsion Spring shown in Figure 8.

20. Install the deck brake assembly over the shoulder spacer. Figure 8.

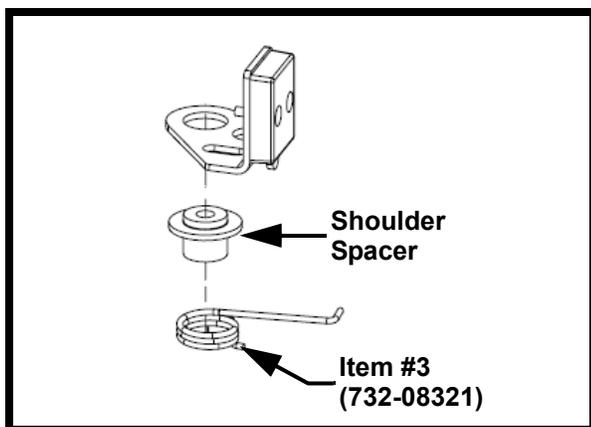


FIGURE 8

21. Connect the brake control rod to the deck brake assembly. See Figure 9 for orientation.

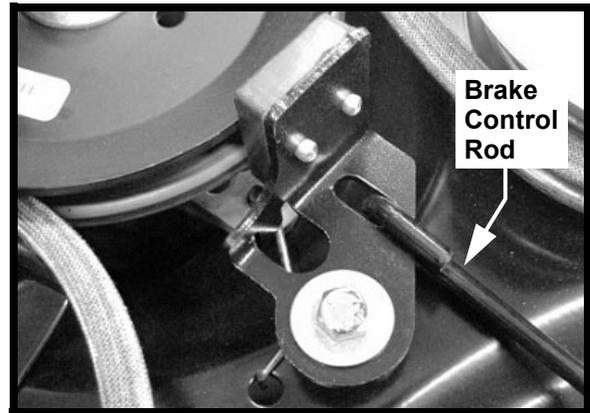


FIGURE 9

22. Position the assembled parts from Steps 19 through 21 in place where they were removed in Step 6.

23. Tension the torsion spring by hooking the short leg into the deck housing hole and the long leg under the brake bracket. See Figure 10 for reference.



FIGURE 10

24. Install the 5/16-18 hex head cap screw through the parts assembled and secure with Item #5 (712-04063) 5/16-18 Nylon lock Flange Nut.

25. Torque the 5/16-18 hex head cap screw to 143 - 174 In. Lbs.

26. Make sure the deck belt is routed properly in the pulleys, then install the extension spring removed in Step 5.

27. If the deck belt covers were removed in Step 3, install at this time.

28. Install the mower deck. Refer to the Operator's Manual for deck installation instructions if needed.

29. Connect the negative battery cable to the negative battery terminal.

30. Start the unit and confirm that the mower deck brake system is operating correctly by engaging and disengaging the manual PTO system.

31. Before returning the unit back into service confirm that all safety features are functioning properly.