



# Service Advisory

## ZERO TURN

W-145

Models Affected: ZT 42 (17BA5A4G790); ZT 42 (17AA554G790);  
ZT 50 (17BA5A7P790); ZT 50 (17AA557P790).

Serial Number Range Affected: 1B175G through 1H316G. (February 17, 2005 through August 31, 2006)

Date: **September 27, 2006**

Subject: **Deck Lift Cable Failure ( Fix-As-Fail )**

**PURPOSE:** When a cable failure occurs, install two deck lift cables (part number 746-0970) per side on models noted above and within the serial number range.

**NOTE:** *Not applicable to ZT 17 & ZT 22 with the deck lift shaft assembly that uses a weld pin and cotter pin to secure the upper cable. When a replacement lift shaft assembly is required, furnish part number 603-04160A lift shaft assembly and the parts shown below. You will need to enlarge the hole on the left and right deck lift arm 703-05401 from 1/4" to 3/8".*

**ACTION REQUIRED: ( Fix-As-Fail )**

Order deck lift cables and the hardware as required. Refer to chart below.

**NOTE:** No need to discard the hardware in steps 5 & 6 if it matches the description in the chart.

**Parts required per unit**

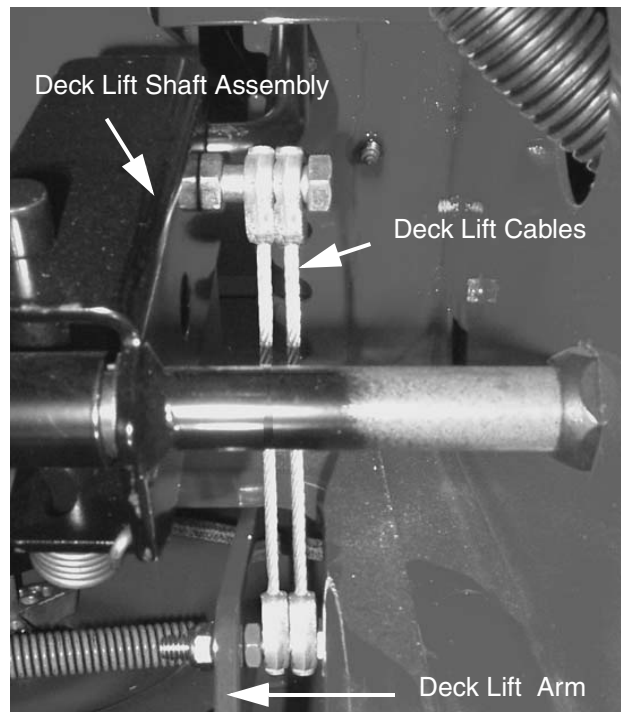
ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	746-0970	4	Deck Lift Cable

**Hardware**

1	710-3144	2	Bolt, 3/8-16 x 2.0 (lift shaft bolt)
2	712-04065	2	Flange Lock Nut, 3/8-16
3	712-3008	2	Hex Jam Nut, 3/8-16
4	710-0805	2	Bolt, 5/16-18 x 1.5 (lift arm bolt)
5	712-04063	2	Nylon Lock Nut, 5/16-18
6	712-3007	2	Hex Jam Nut, 5/16-18

**INSTRUCTIONS:**

1. Park unit on a flat level surface.
2. Disconnect negative battery cable from battery terminal. Disconnect positive battery cable from battery terminal. Remove battery.
3. Raise deck height to the highest position. Place a 4" block under deck for support. This will allow slack in the deck lift cables when deck is lowered to the lowest position in step 4.
4. Place deck height in the lowest position.
5. Remove and discard the lower hardware securing the deck lift cable to the deck lift arm.



6. Remove and discard the upper hardware securing the deck lift cable to the deck lift shaft assembly. Access can be achieved through the frame opening where the battery was removed or from under the frame.
7. Discard broken or frayed deck lift cable.
8. Install 2 (two) **746-0970** deck lift cables onto the **710-3144** 3/8-16 x 2.0" bolt. Thread the **712-3008** jam nut all the way to the end of the threads of the bolt and tighten. Both cables must swivel freely on the bolt. **NOTE: Choose two cables that are close to the same length if possible.**
9. Install the other end of the deck lift cables onto the **710-0805** 5/16-18 x 1.5" bolt with the bolt head towards the frame. Thread the **712-3007** jam nut all the way to the end of the threads of the bolt and tighten. Both cables must be free to swivel.
10. Install the **710-3144** 3/8-16 x 2.0" bolt with the cables onto the deck lift shaft assembly and secure with the **712-04065** 3/8-16 flange lock nut. Tighten securely.
11. Install the **710-0805** 5/16-18 x 1.5" bolt onto the deck lift arm and secure with the **712-04063** 5/16-18 nylon lock nut. Tighten securely.
12. Repeat steps 5 through 11 on the opposite side, if required. When completed, go to step 13.
13. Raise the deck to the highest position. Remove the 4" block. Make sure that the lower deck lift cable bolt (**710-0805**) and cables do not rub the frame. Check this in all deck height positions. If the bolt or cables touch the frame remove the lower bolt and jam nut and install the bolt to the inside of the unit.
14. Install the battery back into its location under the seat box frame. Install the battery retainer rod (clip).
15. Connect the positive cable (RED) to the positive battery terminal. Connect the negative cable (BLACK) to the negative battery terminal.
15. Start and run unit. Check to make sure all safety features are functioning properly.

Warranty: Normal warranty terms apply. Indicate Service Advisory **W-145** and **746-0970** as the original failed part on the claim. Repair time allowance is 0.5 Hrs.

SERVICE MANAGER	PARTS MANAGER	SALES MANAGER	SERVICE TECH.	SERVICE TECH.

Circulate and Initial