



# Service Advisory

## TRACTORS

W-143

Models Affected: LT 942G (13AX605G790), LT 946G (13AP606H790)

Serial Number Range Affected: **Symptom #1.** Units built November 1, 2005 through February 17, 2006. (1K015H to 1B176H).  
**Symptom #2.** Units built November 1, 2005 through April 11, 2006 (1K015H to 1D116H)

Date: **August 23, 2006**

Subject: **UPPER TRANSMISSION DRIVE BELT PATH ALIGNMENT & CLEARANCE**

**PURPOSE:** This advisory is to notify dealers of **Service Kit 753-05343** which provides the latest transmission torque bracket & upper belt tensioning idler configuration. The new hardware reduces idler vertical movement providing an improved belt path alignment. The advisory also covers a possible clearance issue between frame & belt.

**SYMPTOMS:** There are two separate transmission upper drive belt issues.

**#1.** The first issue is the transmission's upper drive belt will come off the tensioning idler pulley under certain operating conditions. This will result in the loss of drive & possible damage to the upper drive belt. This could be caused by the extension spring breaking or becoming unhooked. If the above occurs or the unit falls in the serial number range listed above order and install **Service Kit 753-05343**. If the Unit does not fall into the serial number range above & the above issue is present, compare the end of the idler bracket on the unit to the diagrams in figure 1. If the Idler arm measures  $3/4"$  (.750") from the center of the bolt pivot hole to the end of the idler arm & has a  $3/8"$  bolt for the pivot bolt, Install **Service Kit 753-05343**.

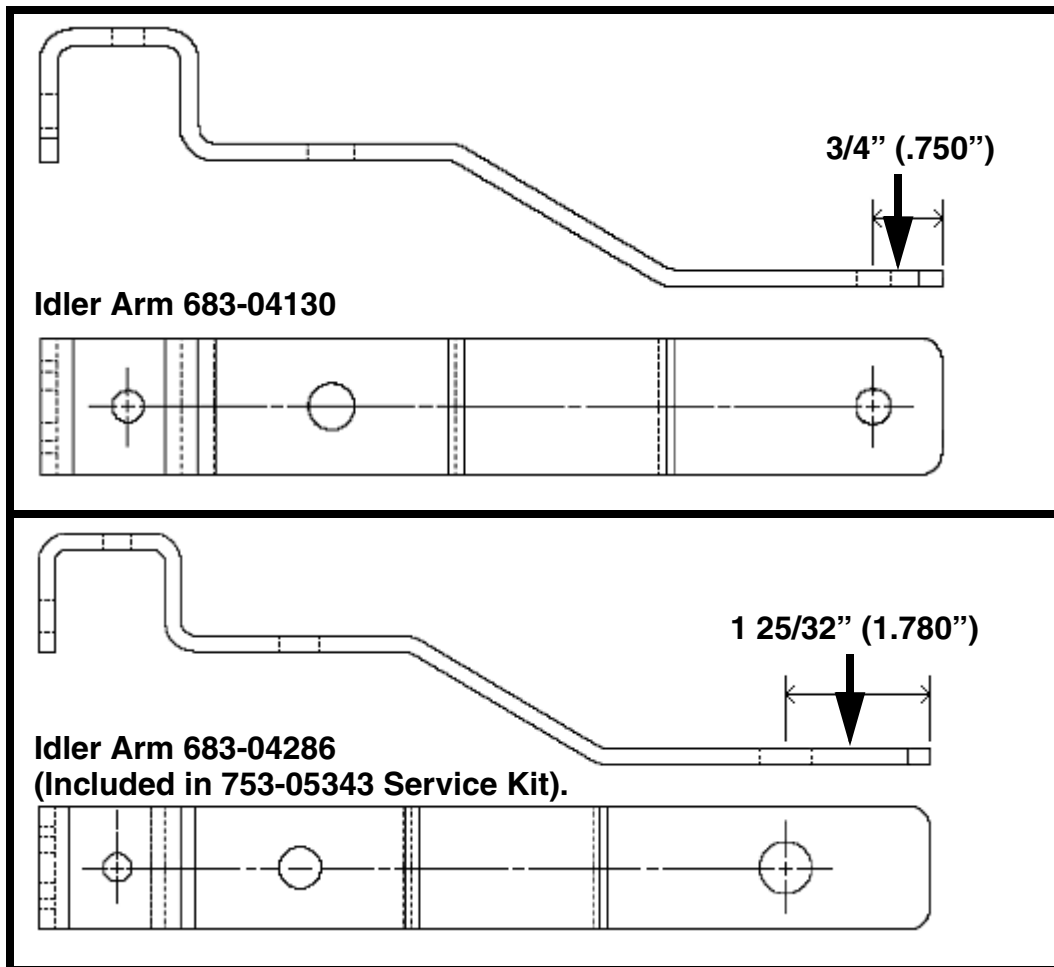


FIGURE 1

#2. The second issue is that the transmission's upper drive belt may wear excessively & break due to the belt & or transmission input pulley rubbing the right side of the upper frame. This may occur in some units.

Check to ensure the transmission's input pulley is tight & does not wobble. If so remove nut & inspect adapter hub & pulley's mating surface. Check to ensure that the transmission's input pulley is properly centered on the adapter hub & is not off center from the adapter hub's star. If adapter hub or pulley are damaged to where the hub and pulley do not interlock, Replace both hub & pulley.

Use a 736-0343 (.120"-.125") flat washer as a gauge to check the clearance between the upper right side frame & the transmission drive belt. If the 736-0343 flat washer is able to pass between the frame & the back side of the transmission drive belt, the clearance is good & no further action is required. Figure 2.

If the 736-0343 flat washer is unable to fit between the right side upper frame & the back side of the transmission drive belt, remove the forward most self tapping screw securing the right side upper frame to the lower frame. install the 736-0343 flat washer between the right side upper frame & the lower frame & reinstall the self tapping screw & tighten. Check clearance.

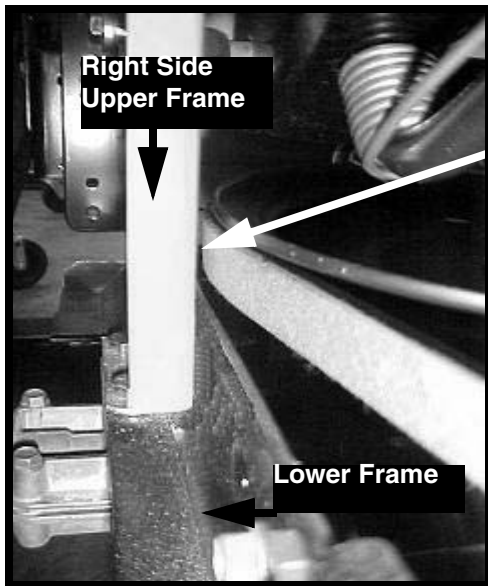


FIGURE 2

Slide 736-0343 Flat Washer Here To Check Clearance.



FIGURE 3

Warranty: Normal warranty terms apply.

**SYMPTOM #1.** Indicate Service Advisory **W-143** and **683-04130** as the original failed part on the claim. Repair time allowance is 1.0 Hrs.

**SYMPTOM #2.** Indicate Service Advisory **W-143** and **783-04809A** 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