



# Service Kit 02000114

Date: June 22,2004

Subject: Mower Deck Belt Drive System

Models Affected: 53AA5A6L710  
53AA5A5L100  
53AA5D2L100

**PURPOSE:** This kit is to update the mower deck drive system on the Z-Force.

**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:** *Service Kit Contents on last page. Refer to it when ordering replacement parts. Save this Instruction Sheet.*

### Installation Instructions:

1. Remove the PTO belt (01002391) from the PTO clutch and mower deck, discard the belt.
2. Remove the mower deck assembly from the unit.
3. Remove the PTO clutch from the engine crank shaft, this PTO clutch will not be used in reassembly, discard the retaining bolt and **RETAIN** the washers.
4. From the mower deck, remove the left (01008586) and right (01008587) pulley covers.
5. Remove the mower deck spindle belt (754-3039) and discard.
6. From the top of the mower deck, remove the steel plate (01008590), double pulley (01008376) and hardware. Discard the above parts.
7. Remove the spindle belt idler arm (01008593), torsion spring(732-3067) and spacer (01008456) and discard the torsion spring and spacer. Retain the pulley, idler arm, shoulder bolt and nut for installation.
8. Remove the PTO belt tension arm (01008538) and spring (01002874) and discard.
9. Remove the center spindle bolt (710-1852) discard the bolt, **RETAIN** the nut and pulley for installation.

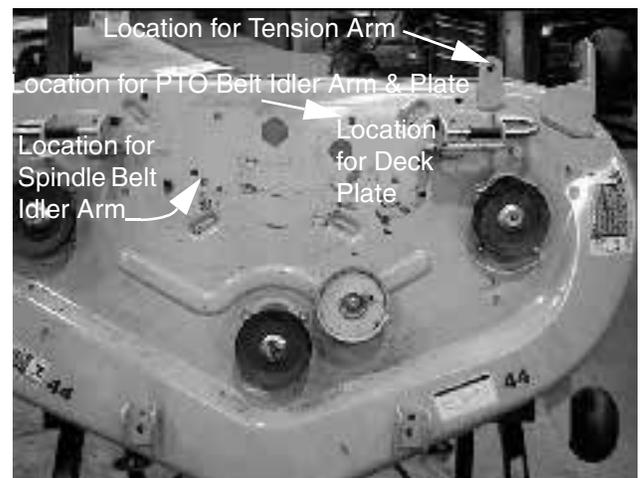
### INSTALLATION OF MOWER DECK DRIVE KIT

10. Install the new PTO clutch (01008434) onto the engine crank shaft using new bolt (01000813), also using the lock washer and flat washer removed in step 3. (See FIGURE 1)



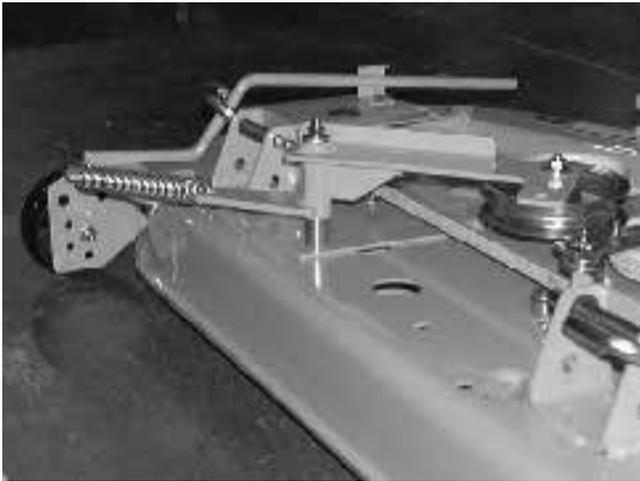
**FIGURE 1**

11. Install new PTO belt tension arm (01004865) using shoulder bolt (01004118) and lock nut (00022560) into the same position that the original tension arm was removed from in step 8. (See FIGURE 2)



**FIGURE 2**

12. Refer to figure 2 and the illustration on page 4. Install deck plate (02000636) on top of deck inserting two carriage bolts (01000372) from the bottom of the deck in the locations shown in the illustration. Install two lock nuts (00022560) on the top side of the deck to retain the deck plate. Install new PTO belt idler arm with grease fitting (01005103) inserting bolt (00034167) from the bottom of deck with flat washer (01009253). On the top side of the deck, install spacer (01001539). Spacer 01003245 is to be inserted into the PTO belt idler arm. Washer (01000723) and lock nut (00022560) retain the idler arm from the top. Attach spring (01000199) to the tension arm and PTO belt idler arm. Install Pulley (01004101) using bolt (00008495), washer (01000723) and nut (00022560). (See Figure 3)



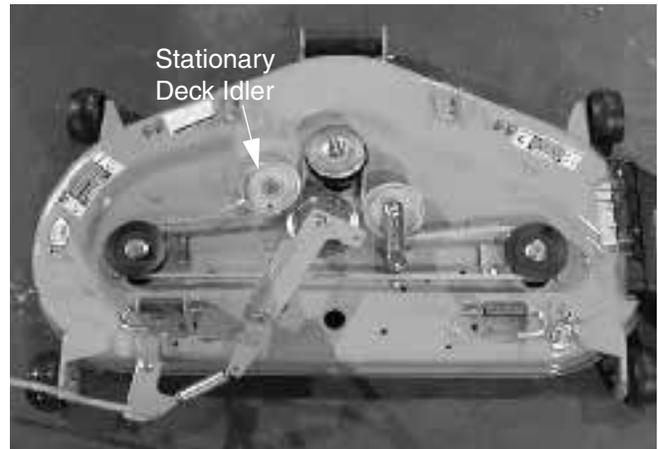
**FIGURE 3**

13. Install new spindle bolt with grease fitting (02000071) through spacer (01003123), pulley (02000079) (Diamond insignia facing up), spacer (01010014), original deck pulley and spindle assembly. On the bottom side of the spindle assembly install blade spacer, blade and blade nut. Torque to 90-110/ ft.lbs. (See FIGURE 4). Refer to figure 5. Remove locknut (00022560) and washer(00083192) from the stationary deck idler. Discard the washer (00083192) and replace with washer (01000723). Reinstall the locknut (00022560) to retain the stationary deck idler.



**FIGURE 4**

14. Install spindle belt idler arm and hardware retained in step 7, using new torsion spring (01000387), spacer (750-3119), screw (01002010), washer (01000723) and nut (00022560). The screw (01002010) is to be inserted in to the square hole called out in FIGURE 2 (spindle belt idler arm). (also see FIGURE 5 for clarity).



**FIGURE 5**

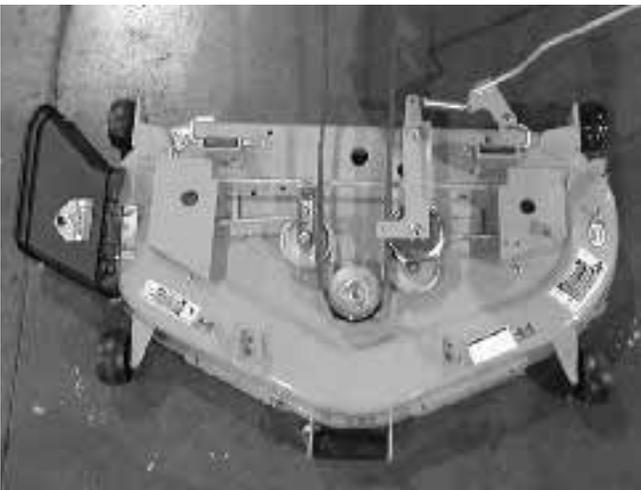
15. Install new spindle belt (02000103) onto mower deck. (SEE FIGURE 5)

16. Using the attached template drill a hole in the left spindle cover to relocate the retaining clip for PTO tension arm. (See FIGURE 6)

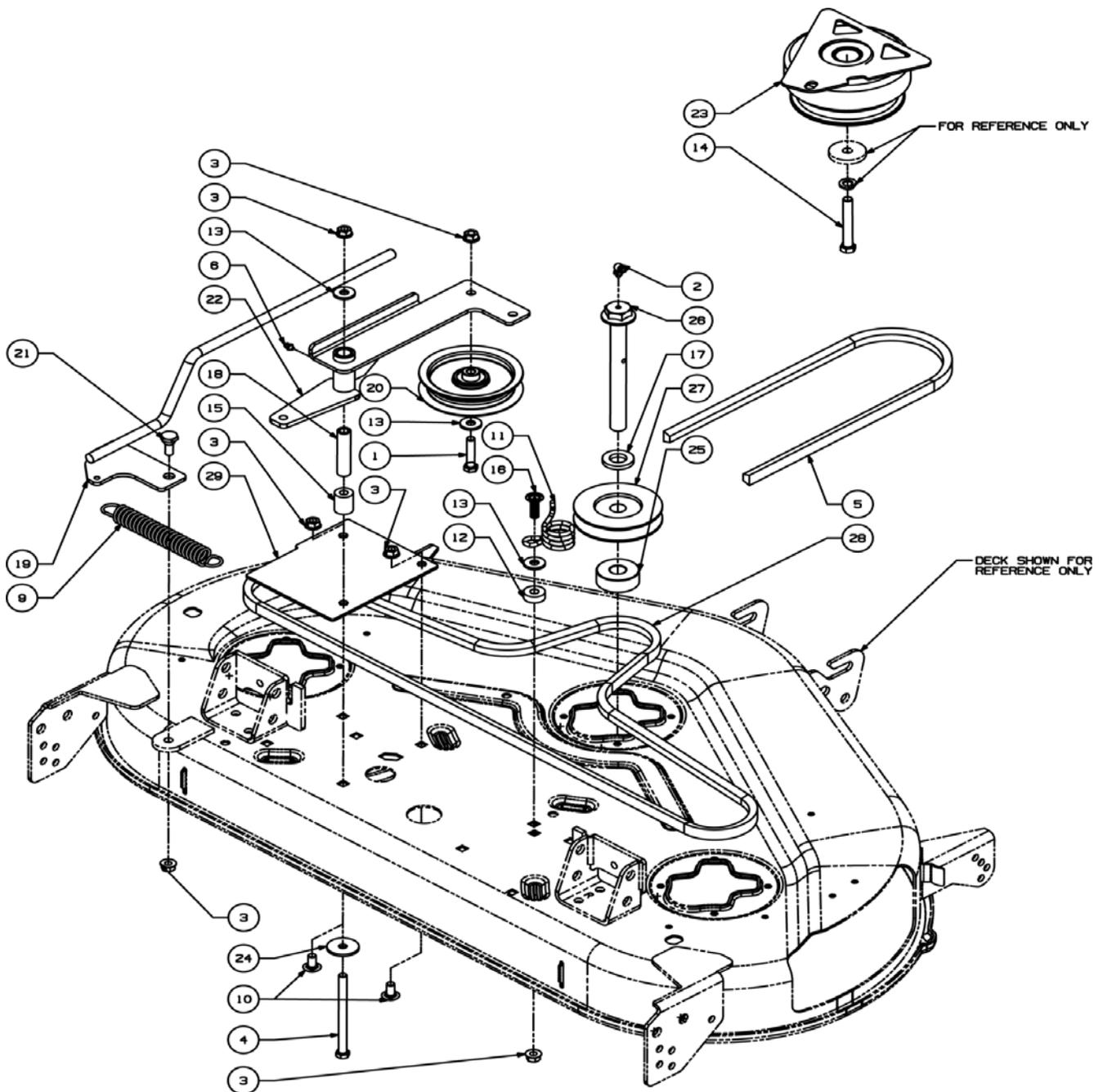


**FIGURE 6**

17. Install mower deck to unit. Install pto belt. Level deck per the instructions in the owners manual. Check for proper operation of mower deck and all safety components. (See FIGURE 7 for PTO belt routing)



**FIGURE 7**



### Service Kit Contents

ITEM NO.	PART NUMBER	QTY	DESCRIPTION	ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	00008495	1	HHCS: 3/8"-16 x 1 3/4":Gr.8	17	01003123	1	Spacer: .812" x .218"
2	00012226	1	Ftg: Gres. 1/4"-28 90	18	01003245	1	Spacer: .39" x .625" x 2.75"
3	00022560	6	Nut: Flg: lck: 3/8"-16	19	01004865	1	Rod: Asm
4	00034167	1	HHCS: 3/8"-16 x 5":Gr.5	20	01004101	1	Pulley: Idler 4.06"
5	00050441	1	Belt: PTO	21	01004118	1	Scr: Shldr: .5" x .27" x 3/8"-16
6	00060078	1	Fitting: Grease	22	01005103	1	Arm: Idler: Asm
9	01000199	1	Spring: Ext. 1.0" x 5.0"	23	01008434	1	Clutch: PTO
10	01000372	2	Bolt: Carr 3/8-16 x .75 Lg.	24	01009253	1	Washer: Flt: .390" x 1.5" x .134"
11	01000387	1	Spring: Torsion	25	01010014	1	Spacer: .760" x 2.0" x .79"
12	750-3119	1	Spacer: .406" x 1.0" x .38"	26	02000071	1	Bolt: Spindle 3/4"-16 x 7
13	01000723	4	Washer: Flat .406" x 1.0" x .105"	27	02000079	1	Pulley: 4.25"
14	01000813	1	HHCS:7/16"-20 x 3" Gr. 5	28	02000103	1	Belt: Spindle
15	01001539	1	Spacer:.39" x .875" x 1.10"	29	02000636	1	Plate: Deck
16	01002010	1	Scr: Carr: 3/8"-16 x 1.25" Gr. 5				