



Service Advisory

COMMERCIAL SERIES

CC-533

Models Affected: M50-KHS (53BB5BBP750), M48-KW (53AB5DBV750), M54-KW (53DB5DBW750)
M60-KH (53CB5BDX750), M60-KW (53CB5D8X750), M60-KW ROPS (53CH5D8X750)

Serial Number Range Affected: November 1, 2005 through August 15, 2006.

Date: **August 16, 2006**

Subject: **P.T.O. CLUTCH & FREE PLAY INSPECTION**

PURPOSE: To notify dealers to verify proper torque of the P.T.O. clutch mounting hardware & to check P.T.O. clutch housing free play. **NOTE: No action required on units with 10 hours or more.**

ACTION REQUIRED: Inspect all models listed above with less than 10 hours. Order (Qty. 1) **01000813** 7/16-20 x 3" Retaining Bolt & (Qty. 1) **01000389** 7/16 Lock Washer. Follow instructions.

INSTRUCTIONS:

1. Park the unit on a flat level surface.
2. Disconnect the negative battery cable from the negative battery terminal. Disconnect the positive battery cable from the positive battery terminal.
3. Set deck height to the lowest position.
4. Inspect & verify all P.T.O. Clutch components are installed in the appropriate order on the engine crankshaft as shown in Figure 1. (Kawasaki Shown).

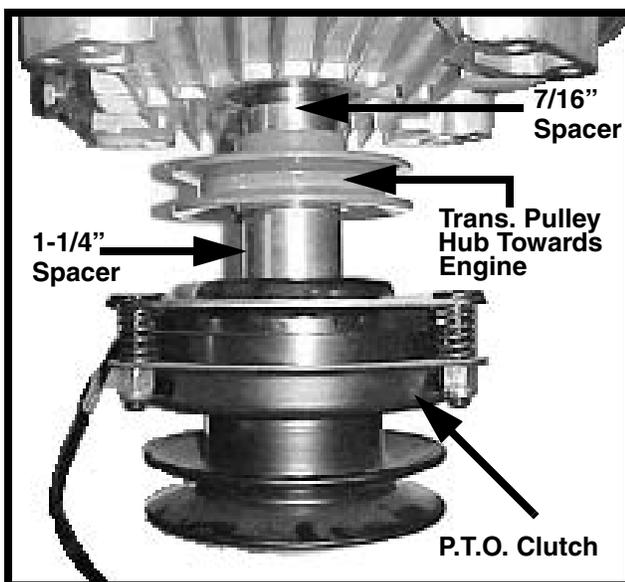


FIGURE 1

5. Engage the P.T.O. belt tension lever on the left side of the deck.
6. Remove the P.T.O. Clutch retaining bolt, lock washer & 1/4" spacer. Removal of P.T.O. Clutch is not required. P.T.O. belt tension should hold P.T.O. Clutch in position. **NOTE:** Discard the 7/16-20 x 3" retaining bolt & lock washer only. The 1/4" spacer will be retained for reassembly.
7. Apply LOCTITE #262 thread locking compound to the threads of the new **01000813** 7/16-20 x 3" retaining bolt. **NOTE:** LOCTITE #262 MUST BE APPLIED.
8. Install the **01000389** 7/16 lock washer over the **01000813** 7/16-20 x 3" retaining bolt. Then install the 1/4" spacer removed in step 6 over the retaining bolt. Thread the 7/16-20 x 3" retaining bolt into the crankshaft. Do Not tighten.
9. Release the P.T.O. belt tension lever.
10. Tighten the P.T.O. Clutch **0100813** retaining bolt to 50-60 ft. lbs.
11. Check the clutch housing free play by grasping the clutch housing & briskly turning left & right in a rotational manner.

12. The clutch housing should have approximately 1/16" play within the pin-bolt & slotted hole in the bracket. See Figure 2.

13. If there is No rotational free play, loosen the carriage bolts securing the bracket to the engine base & readjust the bracket. See Figure 2.

14. If free play cannot be achieved by adjusting the retainer bracket. The pin / bolt can be adjusted within it's slotted mounting hole & the slotted hole in the bracket. See Figure 2.

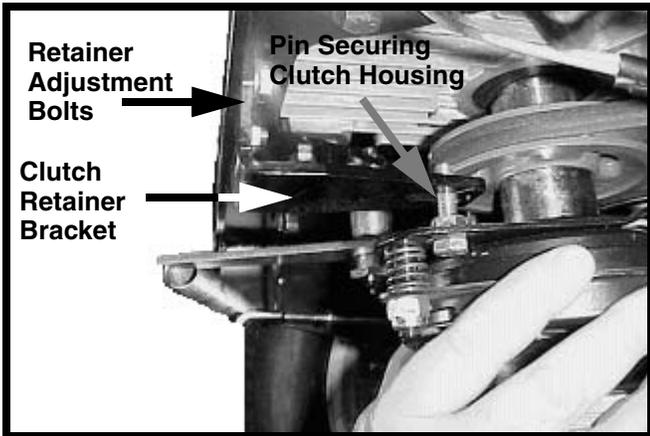


FIGURE 2

15. Check the P.T.O. clutch air gap. Make sure air gap is set at .014" +/- .003".

16. Place the tension handle in the engaged position down against the deck.

17. Check the level of the deck. Level within 1/8" side to side & a 1/8" to 1/4" lower in the front than the rear of the deck. Refer to the deck levelling procedures in the Operator's Manual.

18. Connect the positive battery cable to the positive battery terminal. Connect the negative battery cable to the negative battery terminal.

19. Start unit and check that all safety features are functioning properly.

20. Engage P.T.O. **CAUTION: Be Extremely Careful While P.T.O. Is Engaged.** Observe belt alignment to pulleys. Check in all deck height positions.

Warranty: Normal warranty terms apply. Indicate Service Advisory **CC-533** and **01000813** as the original failed part on the claim. Repair time allowance is 0.7 Hrs.

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