



Service Advisory

CC-610A

iSERIES

Models Affected: i1042 (17AE9BKR010, 17AE9BKR056). i1046 (17AF9BKH010, 17AF9BKH709, 17AF9BKH710, 17AF9BKH756). i1050 (17AF9BKP010, 17AF9BKP709, 17AF9BKP756, 17AF9BKP710).

Serial Number Range Affected: All Units Built 2008 and Prior.

Date: August 13, 2008 **Revised On January 22, 2009 (Destroy All Previous Copies).**

Subject: **Proper Adjustment Of The Drive Engage Rod and Ferrule.**

PURPOSE: To provide proper adjustment procedure of the Drive Engage Rod.

SYMPTOMS: Unit will not turn up a hill, Unit only pulls in one direction, Unit has belt noise (Squealing).

ACTION REQUIRED: Order a **732-04579** Extension Idler Spring. Inspect the Transmission Drive Belt and Pulleys. Check that the Drive Engage Rod is adjusted properly. Install the new **732-04579** Extension Idler Spring.

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.*

INSTRUCTIONS:

1. Park unit on a flat level surface.
2. Remove the Mower Deck from under the Tractor. (**NOTE:** Refer to the Operator's Manual for Deck removal instructions if needed).
3. Place the Tractor on a lift, or place the Tractor on jack stands in four suitable locations to support the Tractor safely and allow work to be performed on the Transmission Drive System.
4. Disconnect the Negative battery Cable.
5. Remove the P.T.O. Clutch to gain access to the Engine Drive Pulley and Transmission Belt.
6. Inspect the Transmission Drive Belt for wear/glazing.
7. Inspect the Engine Pulley for any wear or damage. See Figure 1. **NOTE:** Wear is not covered by Warranty.

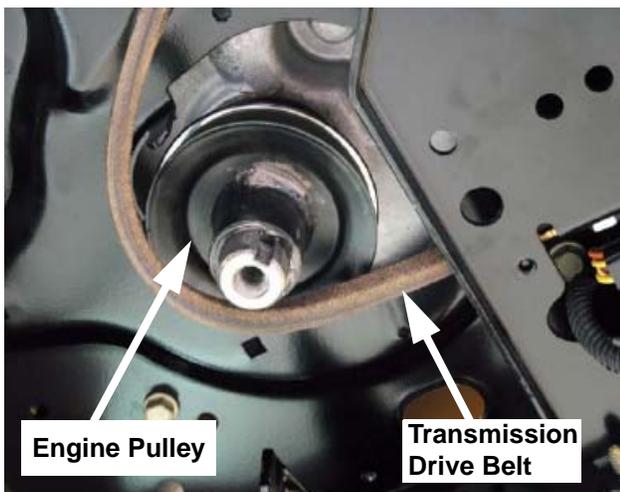


FIGURE 1

8. Check the Fixed Flat Idler, Fixed V-Idler, and Moveable Tension Idler. See Figure 2.

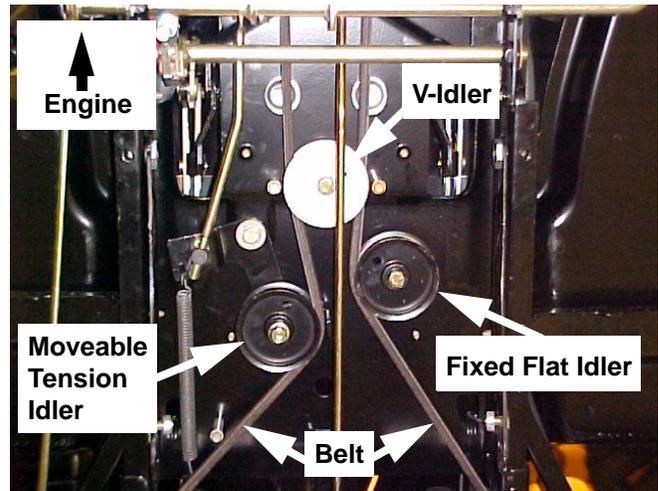


FIGURE 2

9. Check the left and right Transmission Pulleys for wear or damage.
10. Check that all Belt Guides are in place.
11. If any pulley's are found to be worn or damaged, it's recommended to replace all pulley's and belt to assure that a failure doesn't happen at a later time from a worn pulley or belt that was not replaced.
12. Install the P.T.O. Clutch. Torque the retaining bolt to 450-600 in. lbs (37.5-50 ft. lbs.).
13. Check the Drive Engage Rod for proper adjustment. The Ferrule needs to be to the rear of the slot in the Idler Arm when the Brake Pedal is in the up position. If the Ferrule is not set to the rear of the slot in the Idler Arm, the Drive Engage Rod needs to be adjusted in the Ferrule. See Figure 3 for the proper orientation of the Ferrule in the slot of the Idler Arm.

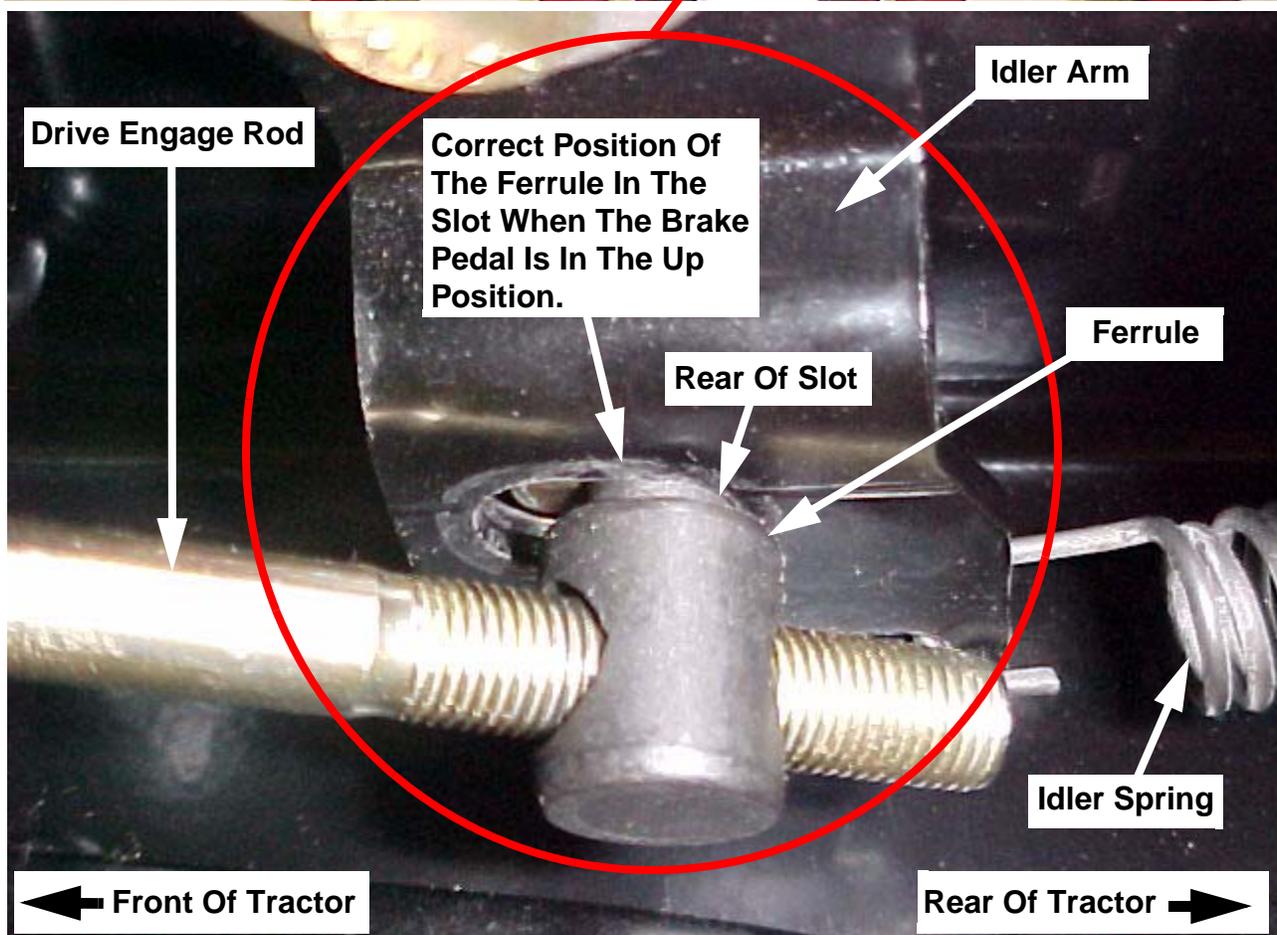
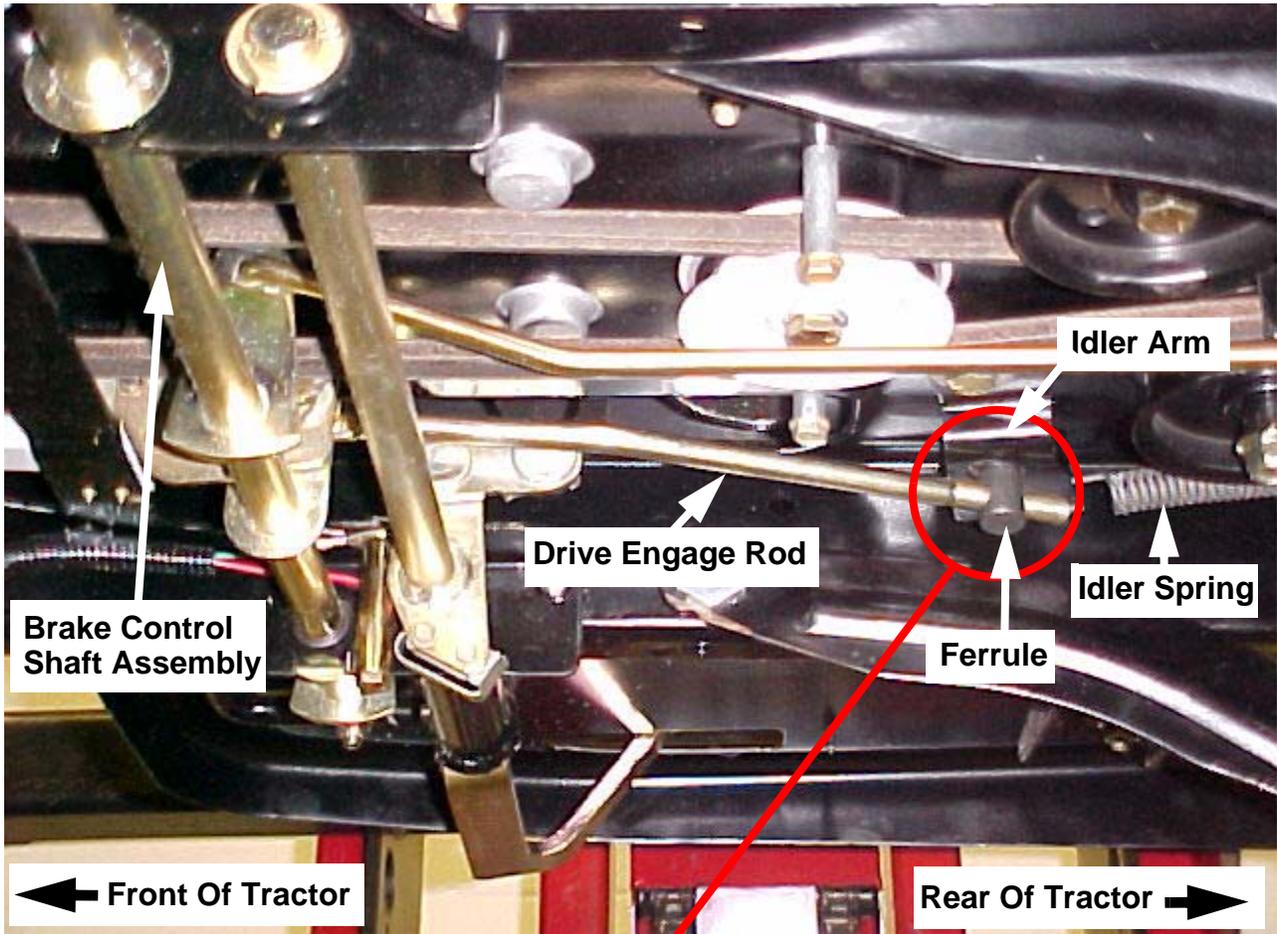


FIGURE 3

14. Remove the Cotter Pin which secures the Drive Engage Rod to the Brake Control Shaft Assembly. See Figure 4.
15. Remove the Drive Engage Rod from the pin of the Brake Control Shaft Assembly. See Figure 4.
16. Turn the Drive Engage Rod counter clockwise in the Ferrule, to position the Ferrule to the rear of the slot in the Idler Arm Assembly. With the Brake Pedal in the up position adjust the Drive Engage Rod in the Ferrule until the Ferrule is positioned to the rear of the slot and the Drive Engage Rod slips onto the pin of the Brake Control Shaft Assembly.

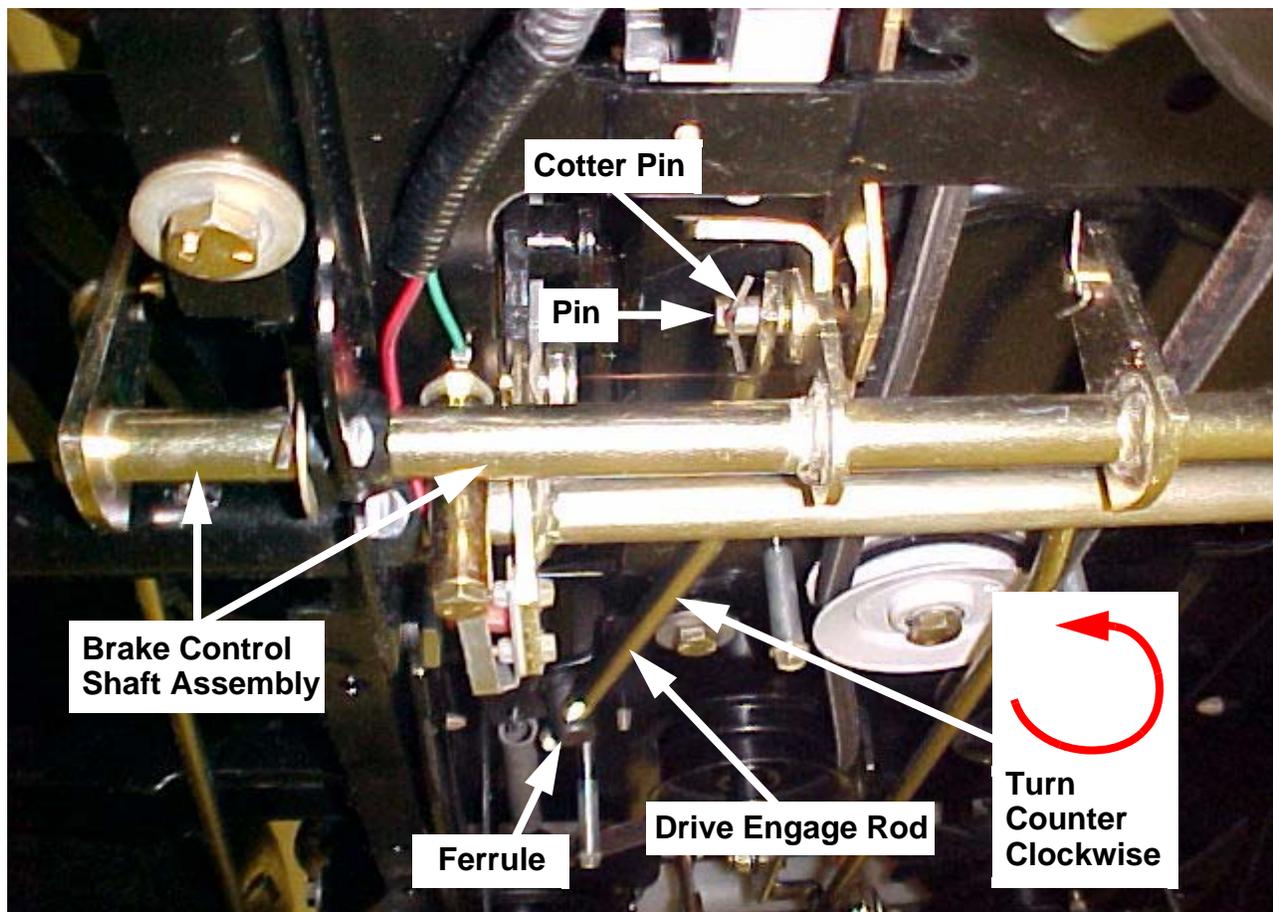


FIGURE 4

17. Unhook the Idler Spring from the Idler Arm, then unhook the Idler spring from the hole in the frame. After removal, discard the Idler Spring. See Figure 5.

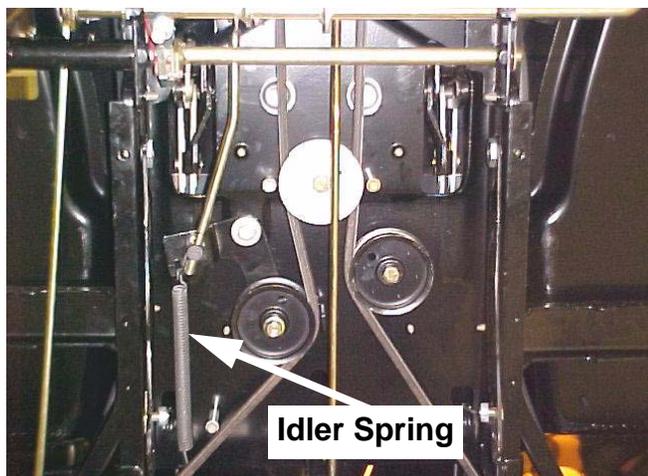


FIGURE 5

18. Install the new Extension Idler Spring (732-04579), in the reverse order the old Idler Spring was removed.

19. Install the Cotter Pin or replace if needed.

20. Check to make sure that when the Brake Pedal is in the up position that the Ferrule is to the rear of the slot in the Idler Arm. If not, adjust the Drive Engage Rod in the Ferrule until the correct position is obtained.

21. Lower the lift to the ground and remove Tractor from the lift or remove the Tractor from the jack stands.

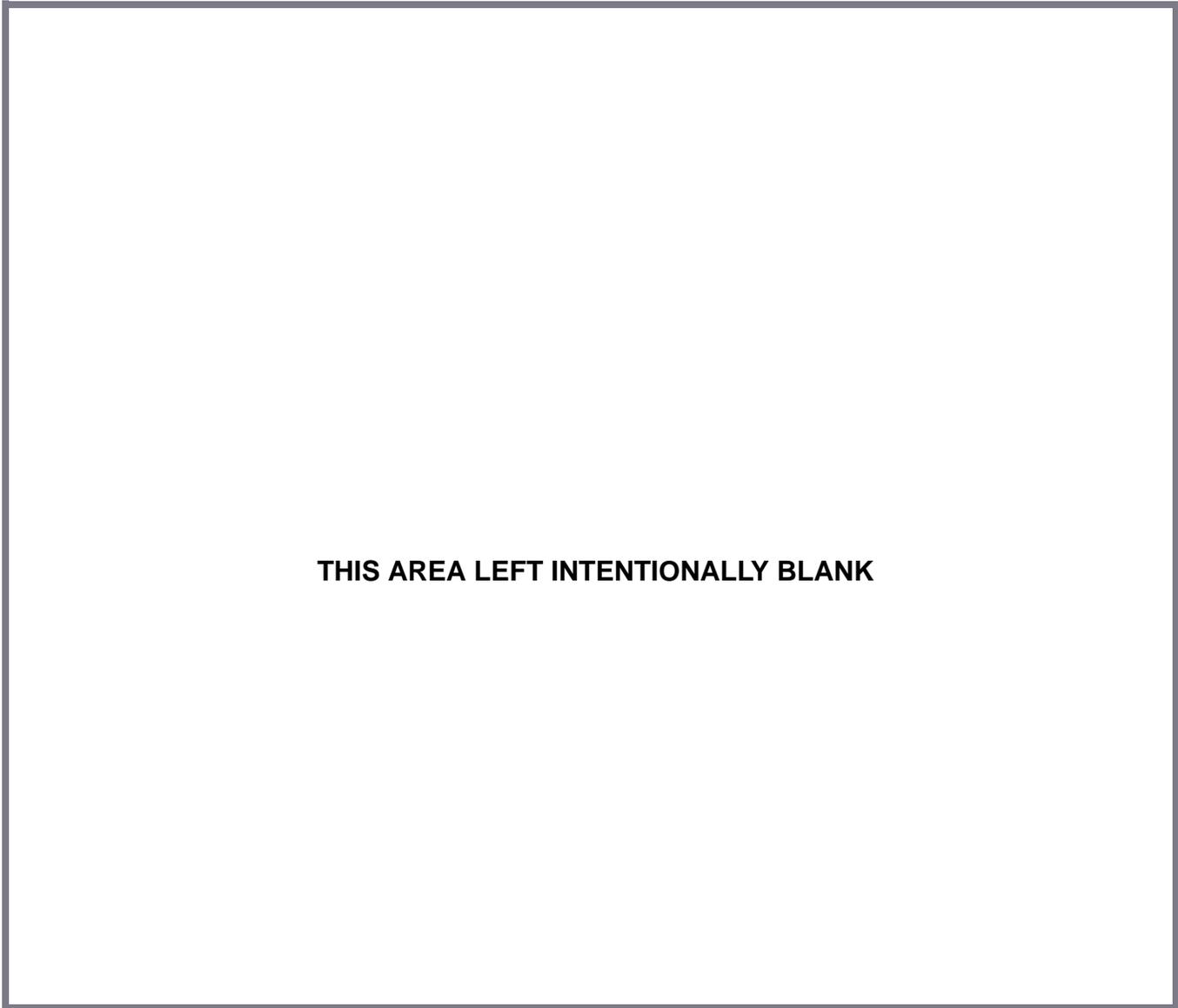
22. Install the Mower Deck. (**NOTE:** Refer to the Operator's Manual for Deck installation instructions).

23. Reconnect the Negative Battery Cable to the Negative Battery Terminal.

- 24. Make sure the Hydro Dump Rods are disengaged.
- 25. Start the Tractor and check that all electrical safety features are working properly.
- 26. Lock the park brake in place and make sure the Transmission Drive Belt is disengaged.
- 27. Check that unit performs as designed and all belt noise is gone.

NOTE: The iSeries Tractors (i1042, i1046, i1050) DO NOT zero turn in reverse. This is the design of the product, not a fault or failure of the hydro units or Control Linkage.

NOTE: The Drive Engagement Rod Adjustment is to be added to the periodic maintenance list and should always be checked any time a new Transmission Drive Belt is installed.



NOTE: The replacement of Belt and Pulleys do to wear are **NOT** covered under Warranty. Repair time allowance is allowed for inspection of Belt and Pulleys and the inspection/adjustment of the Drive Engage Rod and Ferrule.

Warranty: Normal warranty terms apply. Indicate Service Advisory **CC-610A** and **747-04598A** as the original failed part on the claim. Repair time allowance is 0.6 Hrs.

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

Circulate and Initial