



SERVICE	B0303025
BULLETIN	2003-11

Subject: Clutch Replacement Broad Area Mower PN 539106329

Models Affected: 968999214,BZ6134D 968999216,BZ7234D, 968999218, BZ6127D

Service Information: The clutch for the mule drive belt on the above listed mowers may have a bearing that was improperly installed by the clutch manufacturer. The field bearing may have been installed without proper clearance, which may cause premature failure. All new units manufactured before 11/2003 need to have the clutch replaced before sale. Replace with new part # 539110668. This can be accomplished without removing the mower from the crate. Units already used will not be changed unless failure occurs. All existing inventory should be returned for credit.

Warranty information:

Units replaced will receive 3/4-hour labor credit.

Instructions:

1. The following instructions are to remove and replace the clutch while still in the crate. If the unit is removed from the crate it will make replacement easier but is not necessary.
2. Pull back the plastic from the back exposing the engine compartment.
3. Remove the back guard on the engine compartment.
4. Using a ½ inch ratchet and an extension, insert in the square hole on the primary belt idler (see figure 1).



Figure 1

5. Pull up on the idler to loosen tension on primary belts and remove the belts (see figure 2). These are the two belts on the inside nearest the engine.



Figure 2

6. Remove the clutch wires from the clutch, which are held in place with slotted screws (figure 3 and 4).



Figure 3



Figure 4

7. Loosen the fixed idler on the mule drive belt, this is the lower right idler (figure 5). Mark the location before removal to aid in re-installation later.



Figure 5



Figure 6

8. To remove the bolt holding the clutch to the engine you need to lock the engine by wedging a screwdriver between the pinion of the starter and the flywheel (figure 6).

9. Remove the bolt from center of clutch and remove the clutch.
10. Install new clutch aligning the keyway and also align the field restraint (figure 7).



Figure 7 (field restraint)

11. Re-install belts on the primary drive, installing the back belt first.
12. Re-install the clutch wires, there is no polarity so either wire can be connected to either terminal.
13. Re-install the mule belt on the pulleys and jackshaft. Verify the belt is on the lower pulley on the rear of the deck (figure 8).



Figure 8

14. Raise the left side idler (figure 9) with a 2x4 or similar lever to raise the idler and release tension on the mule belt. With tension removed, you can reposition the fixed idler loosened in step 7. Using the mark you made try to reposition to its previous location. It will be close to level with the opposite side pulley when the finished.

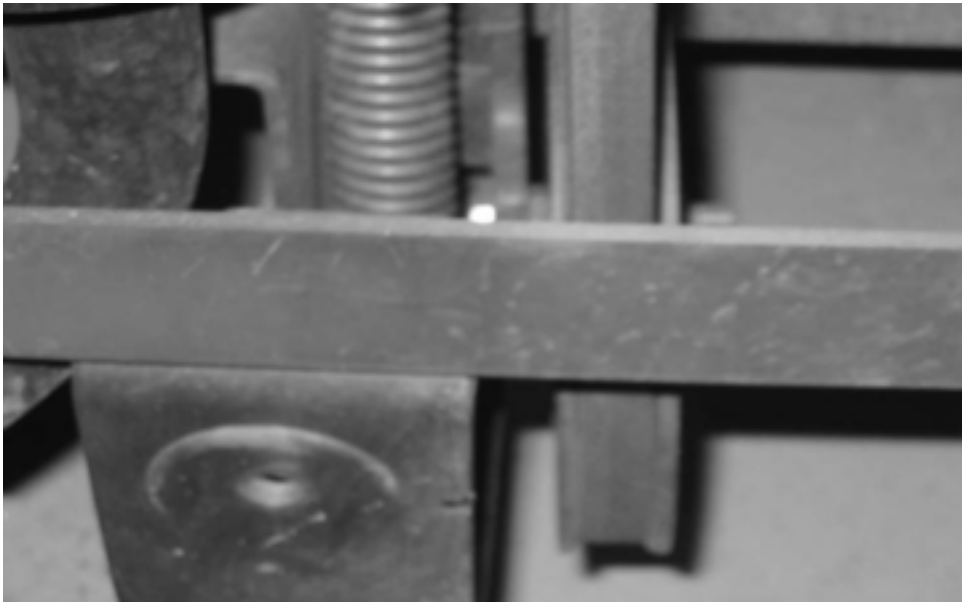


Figure 9

15. After checking your work, re-install the back panel and recover the unit with plastic.
16. Mark the crate showing you have replaced the clutch.
17. After completing all units call for return goods authorization to return the removed clutches and receive credit.