

## BELT AUGER WITH MOVER - DRIVE AND PUMP BELTS REPLACE AND ADJUSTMENT GUIDE

1. Remove the ignition key to prevent accidental operation.
2. Disengage the engine over-centre cam.
3. Remove the pump belt and clutch guards.
4. Disconnect the clutch wiring harness from the clutch
5. Disconnect the rubber link from the clutch.
6. Open the belt guard at the gearbox.
7. Remove the drive belt from the gearbox pulley, then from the clutch pulley.
8. Disengage the pump over-centre cam.
  - Remove the pump belt.
9. Install a new pump belt.
  - Engage the pump over-centre cam.
10. Check the pump belt tension.
  - Approx 20 lb of pull to move 1/4" at centre of belt.
  - If belt adjustment is required:
    - a. Loosen the two mounting bolts on the slotted mounting bar.
    - b. Slide the slotted bar ahead or back to attain required setting.
    - c. Re-tighten the bolts.
11. Install the new drive belt over the clutch.
  - Then around the gearbox pulley.
12. Lift the spring idler pulley up and place it over top of the belt to hold it down.



Fig 1 - Engine over-centre cam

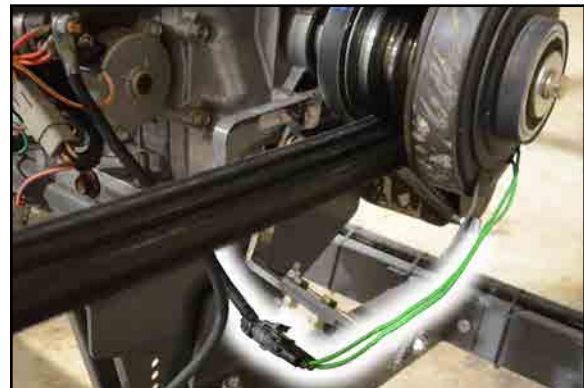


Fig 2 - Clutch wiring harness



Fig 3 - Disconnect rubber link from clutch

13. Reconnect the rubber link to the clutch.
14. Reconnect the clutch wiring harness.
15. Install the clutch and pump guards.
16. Engage the engine over-centre cam, to tighten the drive belt.
17. Check the drive belt tension:
  - Approx 10 lb of pull to lift the belt 1.9". This is the measurement for HD8-46.
  - If belt adjustment is required:
    - a. Move the levelling bar which is a large turnbuckle. This will tilt the engine forward or back.
18. After the new belt has run about 5 - 8 hours, the tension needs to be checked again.
19. The belt is now classified as an "After Run-In" belt and can be set to 7 lb / 1.9" deflection.

Tension settings for other auger sizes

| Auger Size | Inch Deflect. | Run-In | Normal (after Run-In) |
|------------|---------------|--------|-----------------------|
| HD8-39     | 1.5"          | 10 lb  | 7 lb                  |
| HD8-46     | 1.9"          | 10 lb  | 7 lb                  |
| HD8-53     | 2.2"          | 10 lb  | 7 lb                  |
| HD8-59     | 2.5"          | 10 lb  | 7 lb                  |
| TL10-39    | 1.5"          | 15 lb  | 10.5 lb               |
| HD10-46    | 1.9"          | 15 lb  | 10.5 lb               |
| HD10-53    | 2.2"          | 15 lb  | 10.5 lb               |
| HD10-59    | 2.5"          | 15 lb  | 10.5 lb               |
| TL12-39    | 1.5"          | 15 lb  | 10.5 lb               |



Fig 4 - Open gearbox belt guard



Fig 7 - Pump belt and over-centre cam

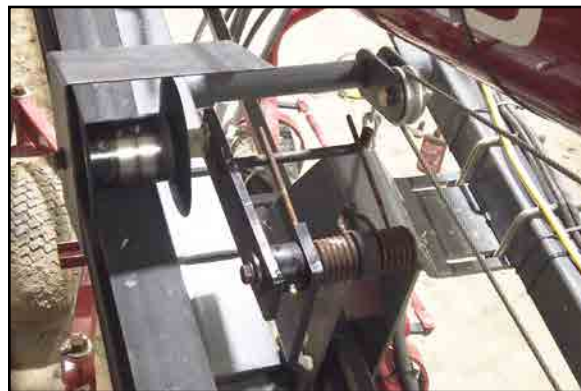


Fig 5 - Spring idler pulley



Fig 6 - Clutch and pump belt guards