



Customer Service Bulletin Commercial Business Group

Groundsmaster® 580-D

Model/Serial Range: **Model Number:**

30580

Serial Numbers:

00000-99999

Subject: **Center Deck Belt jumping and Belt damage.**

If you experience short service life from the Center Deck Belt, the belt adjustment procedures and maintenance should be reviewed. Center Deck Belt adjustment procedures are listed below and should be checked after ten hours of new belt operation and every 50 hours thereafter.

MAINTENANCE

INSPECTING AND ADJUSTING CUTTING UNIT BELT TENSION

IMPORTANT: After first ten hours of operation, check new belts for proper tension; thereafter, check tension every 50 hours.

Front Cutting Unit –

Note: Belts for wing unit spindles are tensioned by spring loaded idlers and normally do not require tensioning.

1. Position machine on level surface, lower cutting unit to shop floor, engage parking brake, shut engine off and remove key from ignition switch.
2. Remove deck covers.

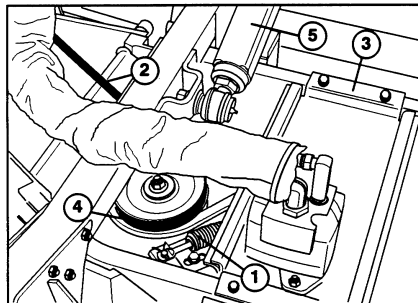


Figure 63
1. Compression Spring and Tension Plate
2. Wing Unit Drive Belt
3. Gear Box Plate
4. Center Drive Belt
5. Lift Arm

3. Note position of shoulder bolts in slots in tension plate. Optimum belt tension will be maintained when the flanges on the shoulder bolts are 1/8 in. (3 mm) from the pulley ends of the slots (Fig. 64). If the shoulder bolt flanges are more than 3/8 in. (9 mm) from the pulley end of the slots, an adjustment should be made.

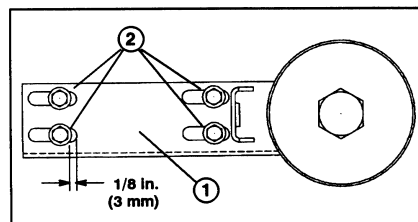


Figure 64
1. Tension Plate 2. Shoulder Bolts

4. To adjust, loosen jam nuts (Fig. 65) and extend tension arm until the shoulder bolt flanges are within 1/8 in. (3 mm) of the pulley end of the slots (Fig. 64).

Note: When the shoulder bolt flanges are positioned 1/8 in. (3 mm) from the pulley end of the slots, the length of the compression spring (Fig. 63) will be approximately 5 in. (127 mm).

5. Tighten jam nuts to secure adjustment. Replace covers.

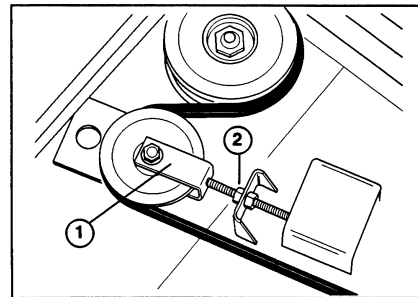


Figure 65
1. Tension Arm 2. Jam Nuts

Outboard Cutting Units –

1. Remove deck covers. To check belt tension, apply 8 lb. (35.5 N) force at mid-span of belt and check deflection. There should be approximately 5/16 in. (7.9 mm) deflection. If deflection is incorrect, proceed to step 2. If deflection is correct, proceed to step 3.

2. To tension belts, loosen flange locknut at top of idler pulley (Fig. 66). Slide pulley against belt until proper tension is reached. Hold pulley in position and tighten locknut.

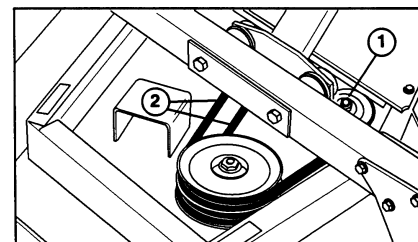


Figure 66
1. Idler Pulley Flange Locknut
2. Drive Belts

3. Replace deck covers.