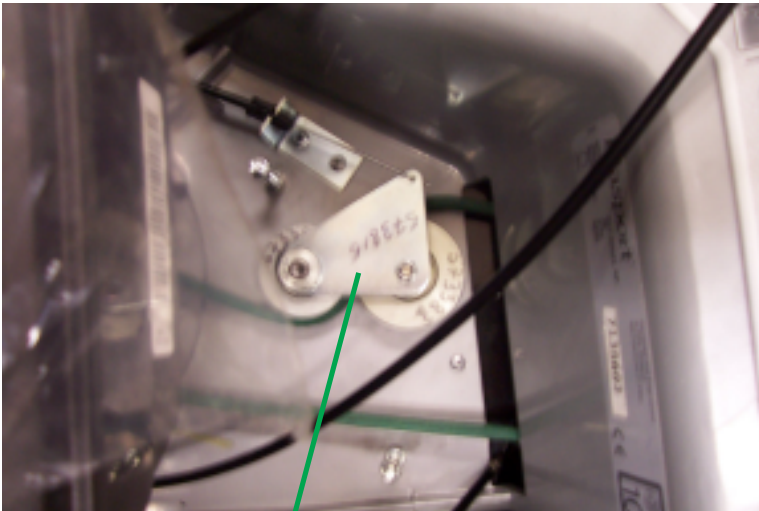


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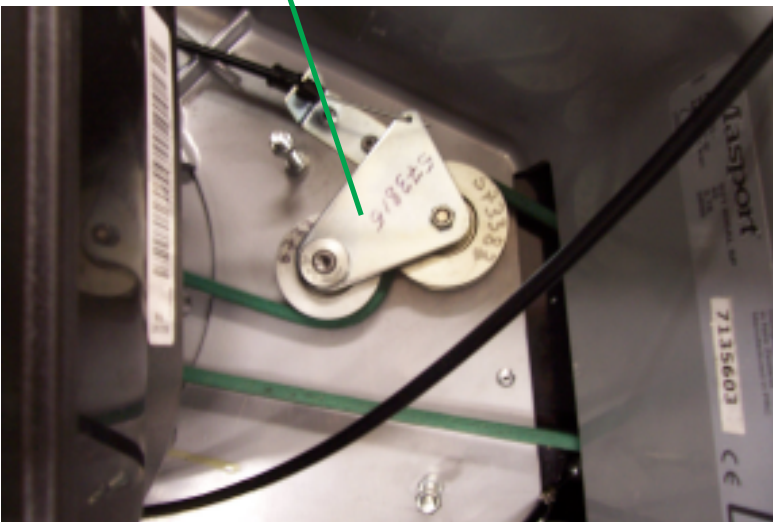
Variable Speed Mowers - Belt Adjustment

Unlike single speed mowers, the belt on variable speed mowers is tightened by the action of the moving adjustable pulley. The split pulley on the gearbox works by opening more or less, depending on the desired speed. The speed is controlled through an idler mechanism actioned by the variable speed control cable. If the engine is not running the belt may have a slack appearance, which will disappear when the engine is started.



Engine not running and speed control set on lowest speed - belt is apparently slack. When engine is started, the belt will tighten.

Idler Mechanism



Speed control set on highest speed - belt is tight.

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Variable Speed Mowers - Belt Adjustment

When changing the variable speed control cable it is very important to check the length of the wire end - dimension "X" in Fig. 1 below.

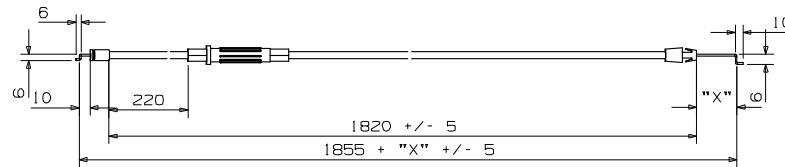
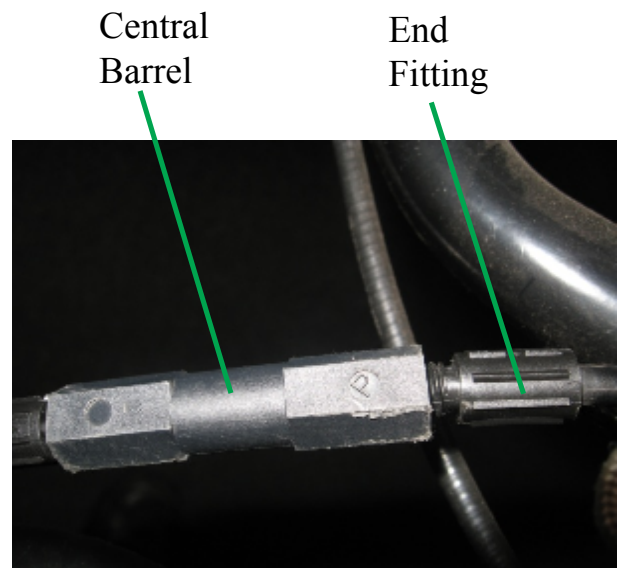
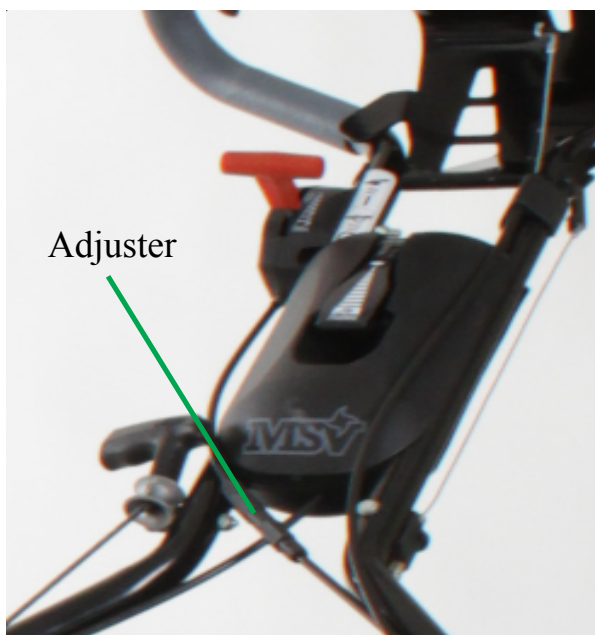


FIG. 1

DIM "X" TO BE CUT AS PER TABLE BELOW DEPENDS ON TYPE OF MOWER

| MOWER | "X" (mm) |
|------------|----------|
| 21" AL SPV | 61 |
| 21" ST SPV | 80 |
| 20" AL SPV | 57 |
| 19" AL SPV | 80 |

Variable speed control cables have an adjuster on the cable running from the speed control to the drive mechanism. This adjuster should be altered only if the travel of the speed control lever doesn't match the full range of available travel speeds. The adjuster consists of a central barrel and two end fittings connected by left and right hand threads. Keeping the end fittings stationary, rotate the barrel to push the ends apart in order to increase travel speed. To reduce travel speed rotate the barrel to bring the end fittings closer together. The adjuster can be used to compensate for belt stretch or wear that may occur.



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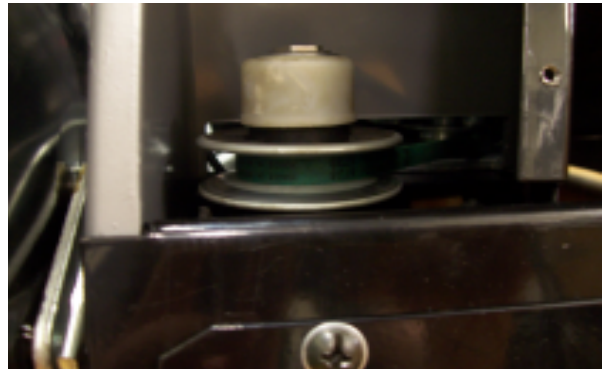
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Variable Speed Mowers - Belt Adjustment

Important : for a proper adjustment of the control cable the adjustment must be done with the engine running. This allows the adjustable pulley to open or close, and to obtain the correct position of the belt for the desired speed.



Highest Speed



When the speed control is set on the highest speed, the pulley should be open, with the belt at the bottom of the pulley.



Lowest Speed



When the speed control is set on the lowest speed, the pulley should be closed, with the belt flush with the pulley's edges.