

Reconditioned Atco and Brilliant Mower operation and settings

Starting

Turn on fuel

Open Throttle to start. I usually leave the throttle set at a reasonable walking pace and I don't touch it before, during, or after mowing.

Pull start - Apply choke and pull the chord. When running, ease the choke back.

Electric start. Apply choke and turn key. When running, ease the choke back.



To engage cylinder

Pull the engaging lever upwards to release and slide in towards the machine. To disengage, pull the lever outwards and press down to retain.

Setting Height of cut

A setting bar, spanner and mallet are provided with the machines that I supply. Set the underside of the bolt head on the setting bar to the desired height of cut. Adjust the front roller so that the bolt head snugly clips over the bedknife. See the video below.

Setting the bedknife "on cut".

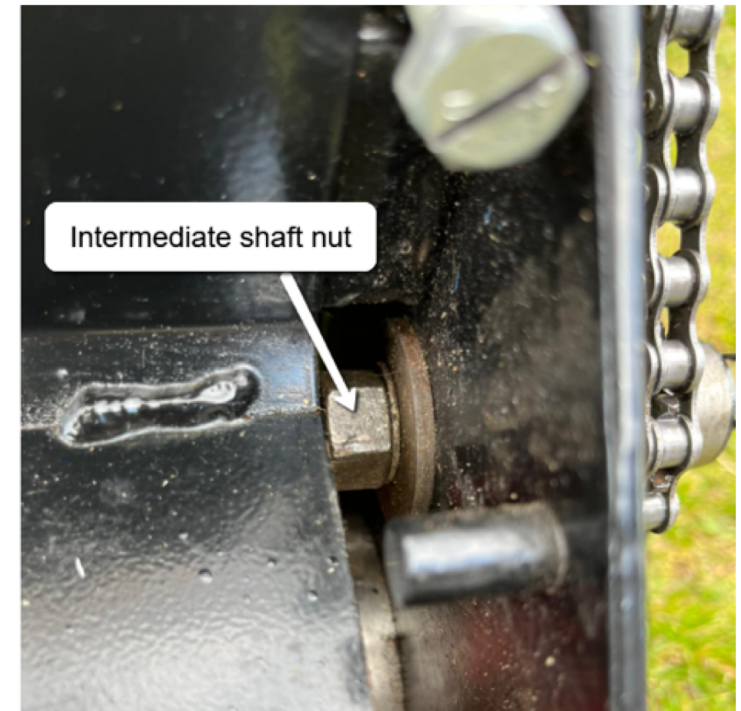
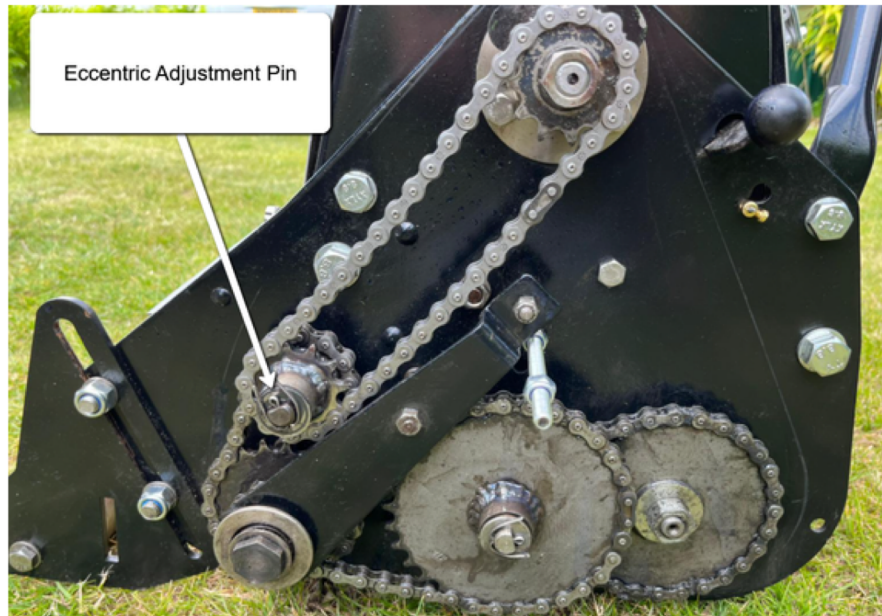
After a lot of use, a mower will not cut the grass cleanly and you will notice that some blades of grass are bruised but not cut. This is a sign that the bedknife needs to be adjusted. The bed knife adjusting bolts are shown below, To move the bed knife nearer the cutting cylinder, use the screwdriver supplied to loosen the top bolt very slightly, an eighth of an inch turn may be enough and tighten the bottom bolt by the same amount. Do this on each side. If the cylinder binds on the blade, back off a fraction until it rotates freely again. The idea is to get the bedknife as close as possible to the cylinder. This is quick and easy to do when mowing. You don't have to remove the trailing seat or tip up the mower. The textbook method is different, more time consuming and doesn't work for me. Nevertheless, see the video below and you will get a better idea of how it works.

Video

This video explains the setting very well. The star of the show is Leigh Bowers who left Allett a few years ago. He used to train my customers when I supplied Alletts. I don't use his method of setting (on cut) with paper. I prefer the method described above. The machine he is using for the demo is similar to Atco and Brilliant mowers. youtu.be/b79Ur6UrMM4

Drive chains - lubricate and check tension.

The drive chains are accessible by removing the side cover on ATCO and Brilliant mowers. Lubricate every few weeks and check the tightness of the chains. To adjust the chain tension, slacken the intermediate shaft nut (shown below) and rotate the eccentric pin in the sideplate. This provides accurate adjustment of the chain tension. Lock the shaft nut tightly after adjustment.



Assembly of trailing seat

If the trailing seat has been sent on a pallet, you will need to connect the at the three points shown.

The clutch, throttle and connection points are the same for Atco mowers and the Brilliant mower.

