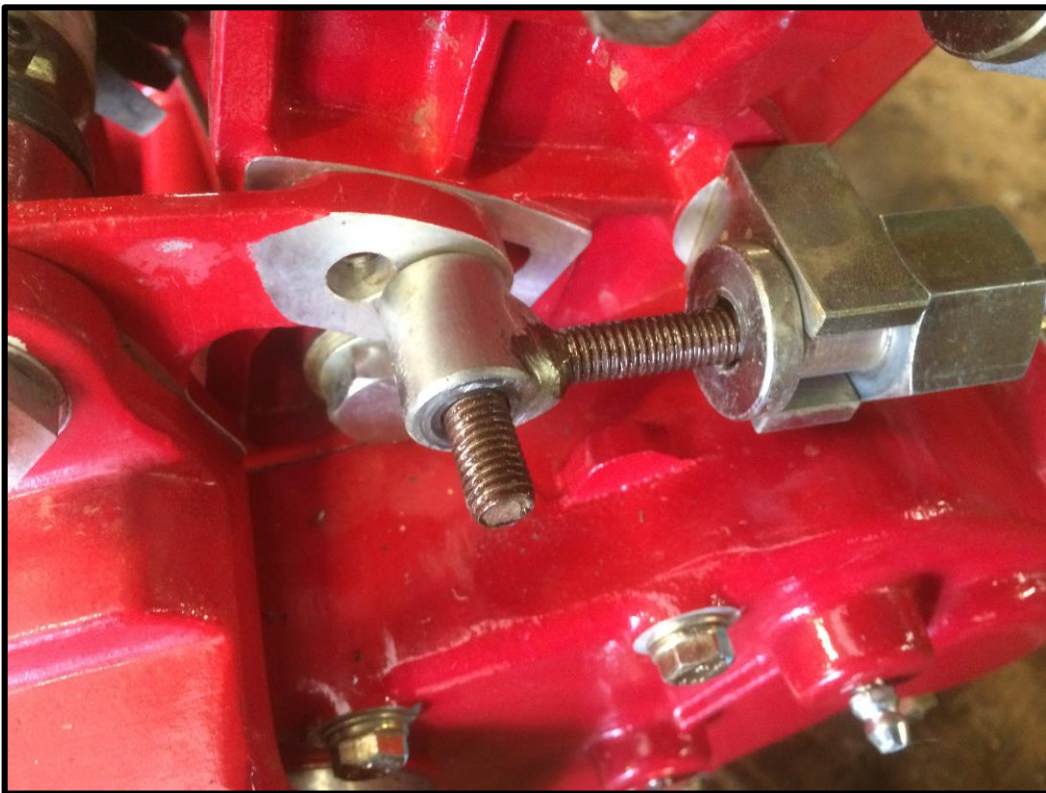


BARONESS

Quality on Demand

Technical Information Leaflet

TIL: 033



LM315GC

Cutting Unit Lubrication Maintenance

Front Roller Adjusters



Remove the front roller assembly.

Clean the front roller bracket channels of the cutting unit side plates using an abrasive paper.

Note: The right sided bracket is made of cast iron whilst the left sided bracket is made from Aluminium.

Clean the Aluminium front roller brackets using an abrasive paper.



Apply a thin layer of anti-seize grease (copper-slip) to the cleaned up front roller bracket channels on the cutting unit side plates as shown.





Clean the threads of the front roller adjuster rod using a wire brush.

Apply a thin layer of anti-seize grease (Copper-Slip) to the front roller adjuster threaded rods as shown.

Clean the threads of the roller adjuster locking bolt using a wire brush.

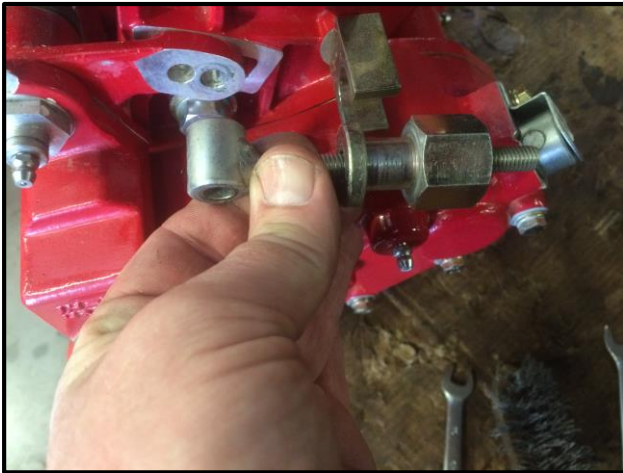
Apply a thin layer of anti-seize grease (Copper-Slip) to the front roller adjuster locking bolt as shown.



Re-assembly all cleaned and lubricated parts and adjust the height of cut as required.



Attachment Adjusters



Undo the attachment adjuster position locking nut.

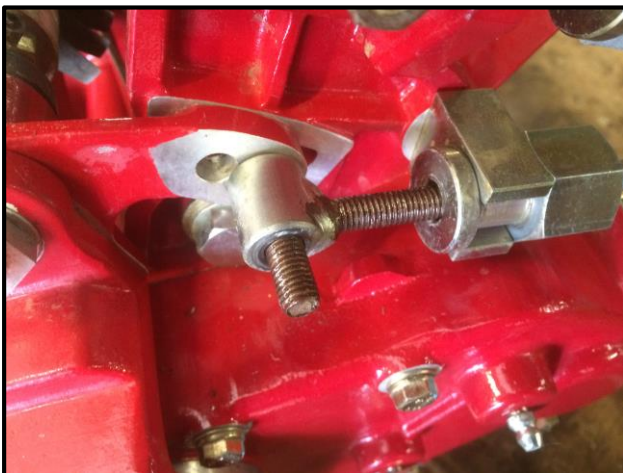
Remove the attachment adjuster locking bolt assembly.

Remove the groomer adjuster assembly as shown.

Remove the adjuster nut from the adjuster threaded rod.

Clean the threads of the adjuster rod using a wire brush.

Apply a thin layer of anti-seize grease (Copper-Slip) to the threads of the attachment adjuster bolt as shown.



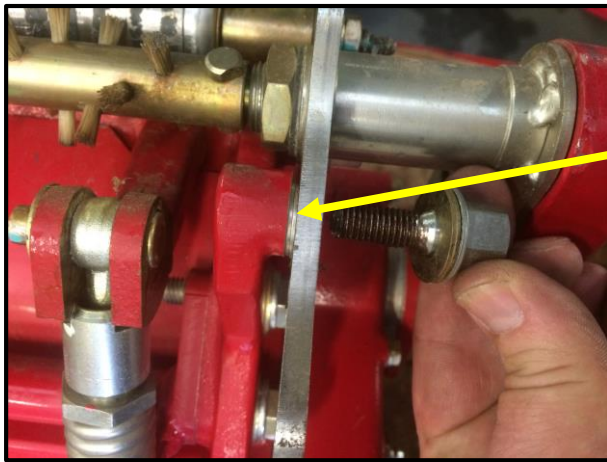
Clean the threads of the adjuster locking bolt using a wire brush.

Apply a thin layer of anti-seize grease (Copper-Slip) to the attachment adjuster locking bolt.

Re-assemble the cleaned and lubricated parts as shown.

Adjust the height of the attachment as required.

Rear Roller Bracket Retaining Bolts



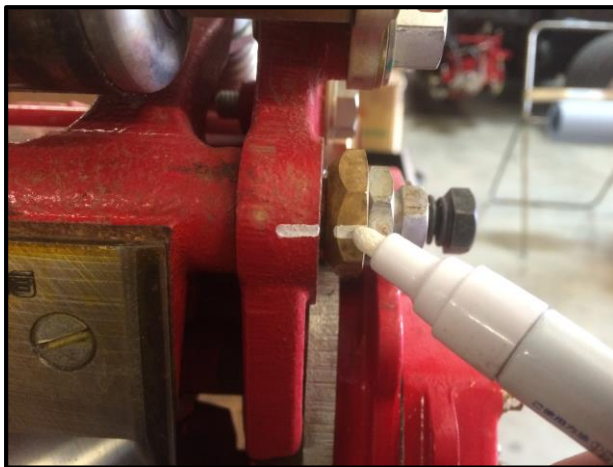
Only ever remove the rear roller bracket retaining bolts one at a time.

Be careful that the spacer shims remain in place and do not fall out. If they do fall out make sure that they are refitted into their original position.

Clean the threads of the rear roller bracket retaining bolts using a wire brush.

Apply a thin layer of anti-seize grease (Copper-Slip) to the threads and refit.

Bedknife Carrier Pivot Pins & Cams



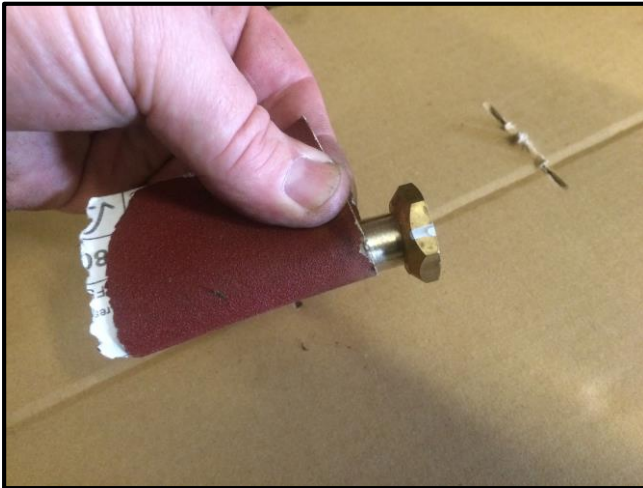
Always mark the position of the pivot pin cam against the cutting unit frame before carrying out any maintenance to this area.

This will enable the same position to be set during re-assembly.

Whilst holding the brass cam in position with a 24mm spanner, loosen the 19mm locking nut as shown.

Remove the pivot pin and locking nut assembly using a 13mm spanner.



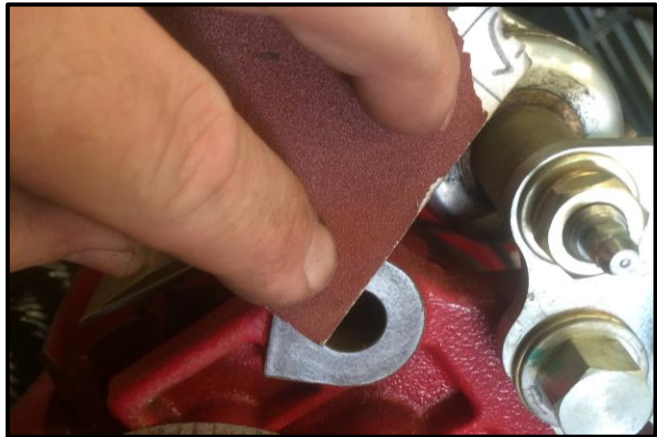


Remove the brass cam nut from the mower side case.

Clean the inside and outside surfaces of the cam using an abrasive paper.

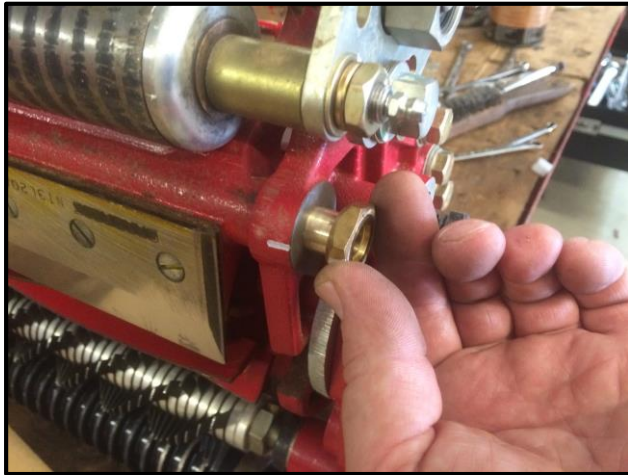
Be careful not to remove the positioning marks applied earlier.

Clean the outside surface of the cutting unit side casing as shown using an abrasive paper.



Clean the inside bore of the cutting unit side frame where the brass cam fits using an abrasive paper.





Dry fit the brass cam into the cutting unit side frame.

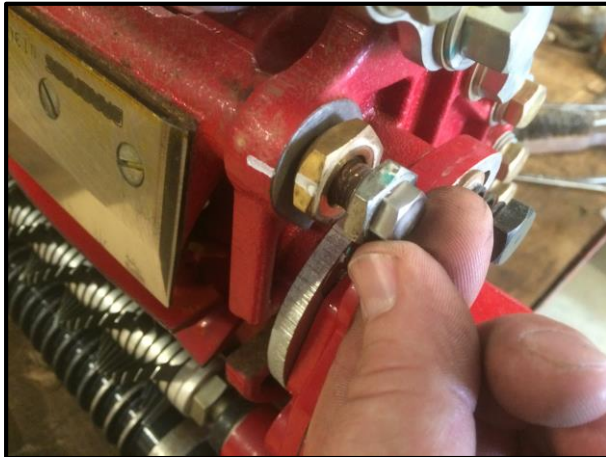
Rotate it by hand and make sure that it rotates freely.

If it does not, clean it some more using some abrasive paper and retry until free rotation is achieved.

Apply a thin layer of anti-seize grease to the outer surface of the cleaned brass cam as shown.



Refit the brass cam making sure that you align the original marks that were applied previously.



Apply a thin layer of anti-seize grease to the pivot pin to include its threaded area.

Re-fit the locking nut onto the pivot pin.

Refit the pivot pin assembly by screwing it into the bedknife carrier through the brass cam.

Lightly tighten the pivot pin into the bedknife carrier using a 13mm spanner.

Note: Do not overtighten this pivot pin as this could make future servicing difficult.



Hold the brass cam into position with a 24mm spanner so that the setting marks line up.

Whilst holding the brass cam so that it cannot rotate, tighten the pivot pin locking nut using a 19mm spanner.

Note: Do not overtighten this locking nut as this could damage the brass cam nut.





Apply some spray lubricant to the bedknife adjuster pivot pin and threaded adjuster rod/nut assembly.

Grease all grease points after every 50 hours of operation.

Note: Do not over-grease. One pump from a standard hand held grease gun is normally sufficient.

