

LIFEGUARD®

ATV ROLL OVER PROTECTION

SERVICE INSTRUCTIONS



www.atvlifeguard.com

ATV LifeGuard® Servicing

As with all equipment with moving parts, the LifeGuard® also needs servicing and the cords checked for wear periodically (every 12 months minimum) or especially after a roll over. It can collapse if the cords fray and the LifeGuard® hasn't been serviced, so it's essential this procedure is done.

It is also essential to keep the LifeGuard® tensioned up at all times. A 'wobbly' LifeGuard® is the worst way to start the cords fraying. The correct tension is 25 ft lb and can be checked and maintained with a torque wrench.

It is also important to replace the neoprene cover if it is worn, has holes in it, or has been removed. Without a cover, dirt and grit can get into the segments which can contribute towards the cords fraying.

1 – Remove the neoprene cover and both plates on base.



2 – De-tension the arc. To do this, use a spanner or socket to take the tension off the spring. Pull the spring back and let arc collapse. Do not cut cord.



3 – Unwind completely and check the cords between each segment for any sign of chafing.

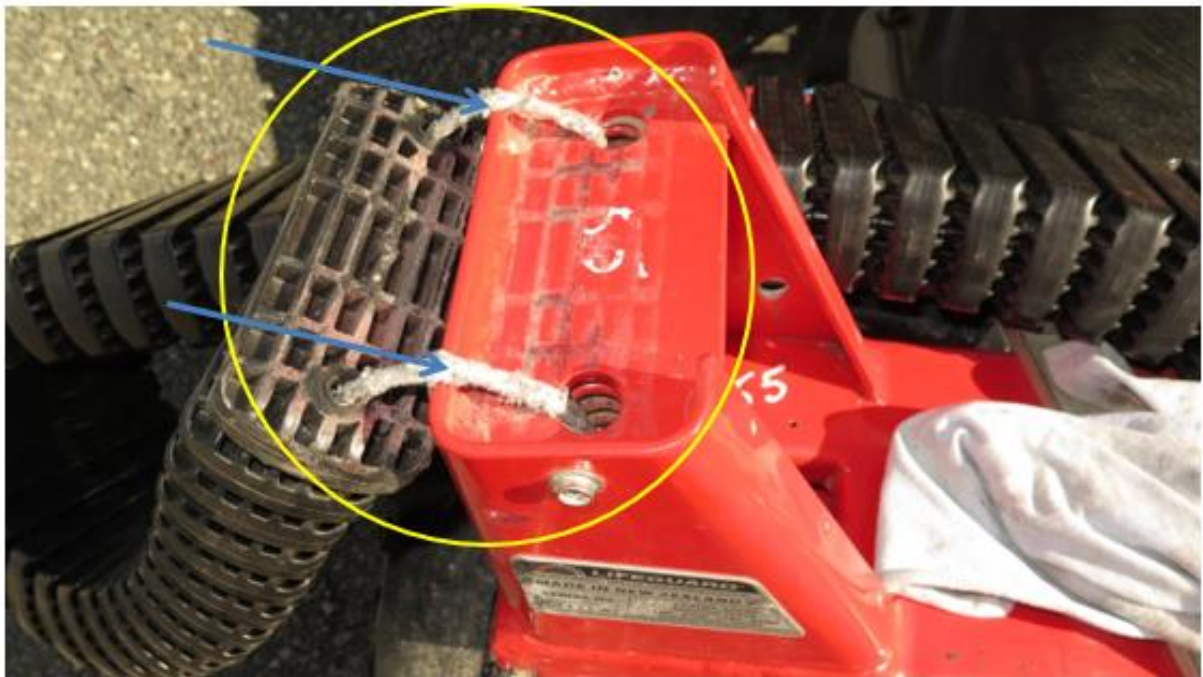


4 – If there are any signs of chafing, the cord will need to be replaced.

Either return to Ag-Tech Industries for cord replacement, or contact Ag-Tech Industries to find your closest agent who can do this.

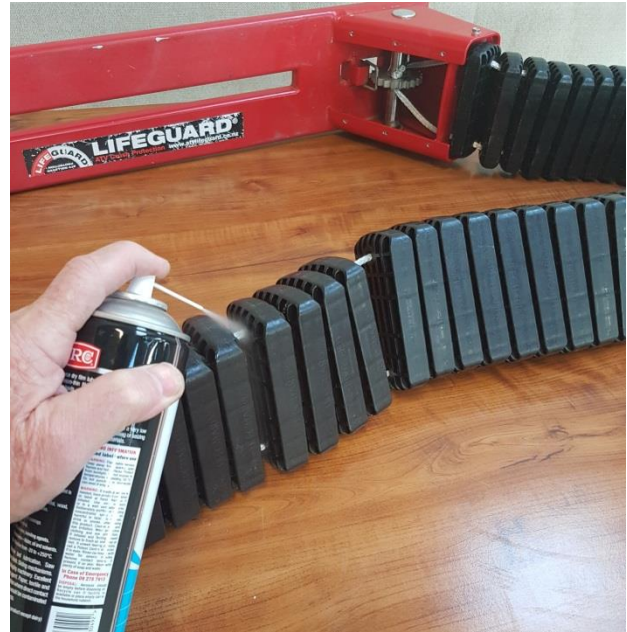
NOTE: If you are unsure if the cords are damaged or not, please email photos of them to info@atvlifeguard.co.nz and we will confirm this for you.

Photo below shows badly chafed cords on an old LifeGuard® (serial #55) which has been involved in multiple roll overs.



5 – If in good order, lubricate cords between segments, especially at each end of the arc – use CRC Drylube or similar. This can be easier if you remove the LifeGuard® from the quad and lie it down on a flat bench.

Important to use a dry lube (see page 6 for options)



6 – Apply grease around both shaft bushes and around springs (not inside springs). A spray can of lithium grease or similar is good.



7 – Place block between segments and base and wind up fairly tight. This will draw the cord through equalizing the tension on each cord. Remove the block and tension up.



8 – Put the cover plates and neoprene cover back on. Straddle the LifeGuard® and depress it a few times to stretch cord etc. into place, then using a torque wrench tension to 25 ft lb.

It shouldn't wobble sideways too much - only about 1cm, and when you sit on it, it should only go down about 150mm. If you over tension it, you will need to take the cover plate (tension nut end) off to release ratchet spring to wind back.



Drylube options:

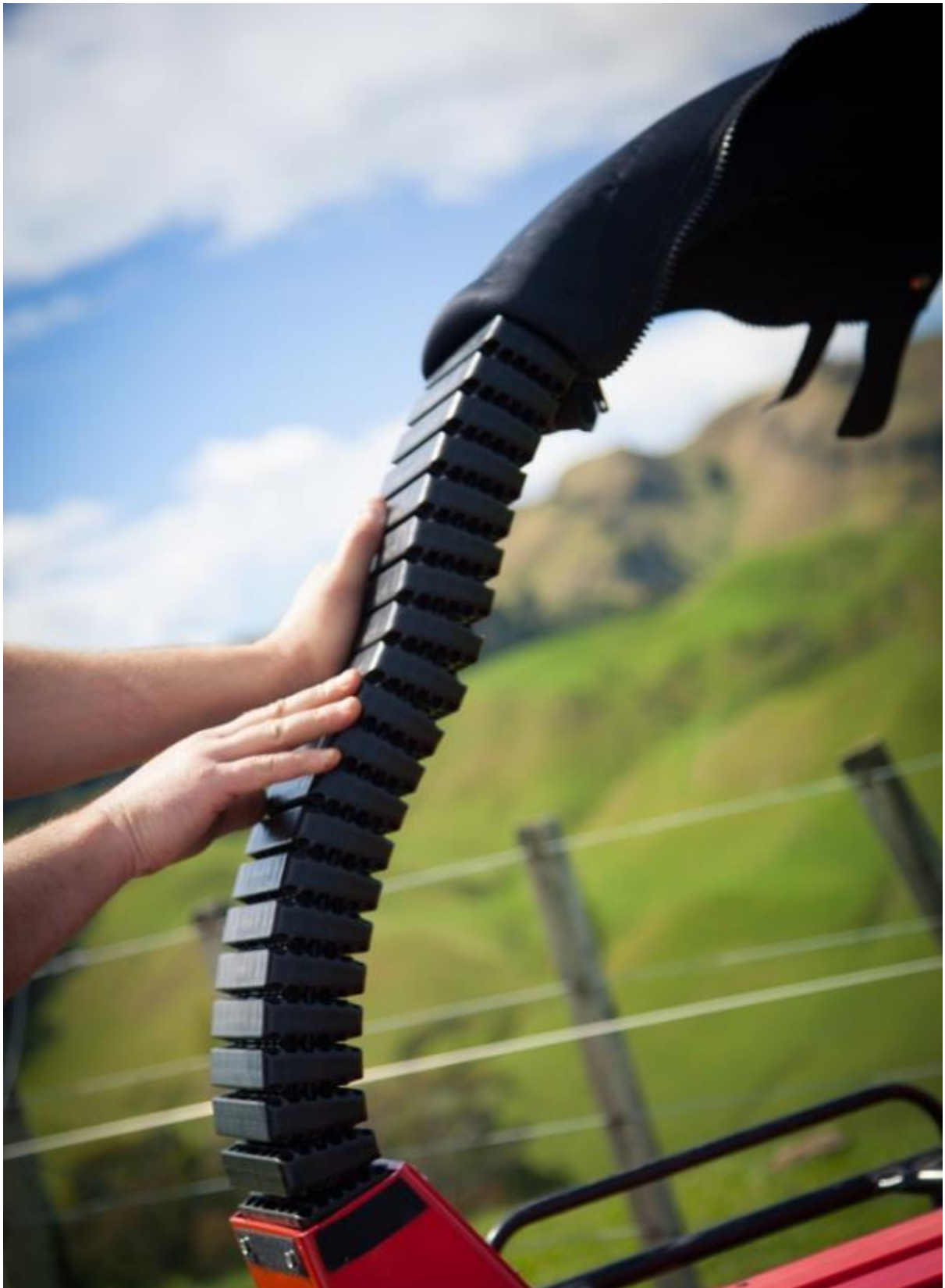
Note – for the cord



Lithium grease option:

Note – for around shaft bushes and around springs







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