

HOW TO REPLACE A SNAPPED ROPE CORD

To carry out the following two people are required and approximately 2-3 hours labour

NOTE - INWALL TRACK SYSTEMS WILL REQUIRE THE ENTIRE LID SYSTEM & INWALL TRACKING TO BE REMOVED! THEREFORE ALLOW A FURTHER 3 HOURS TO COMPLETE REPAIR

If you are replacing a snapped rope we advise that 'End Stop Guides' and Sliders are replaced at the same time if worn.

It is important to ascertain the reason why a rope cord has snapped. Rope Cords are very strong with a breaking strain in excess of 684kg and is expected to out last the life of the cover fabric.

Therefore, in most cases the rope cord has been snapped due to a mechanical failure. Please inspect the cover system thoroughly to find the cause of the problem, usually it is a lack of maintenance that result in a breakdown. Look for the following :-

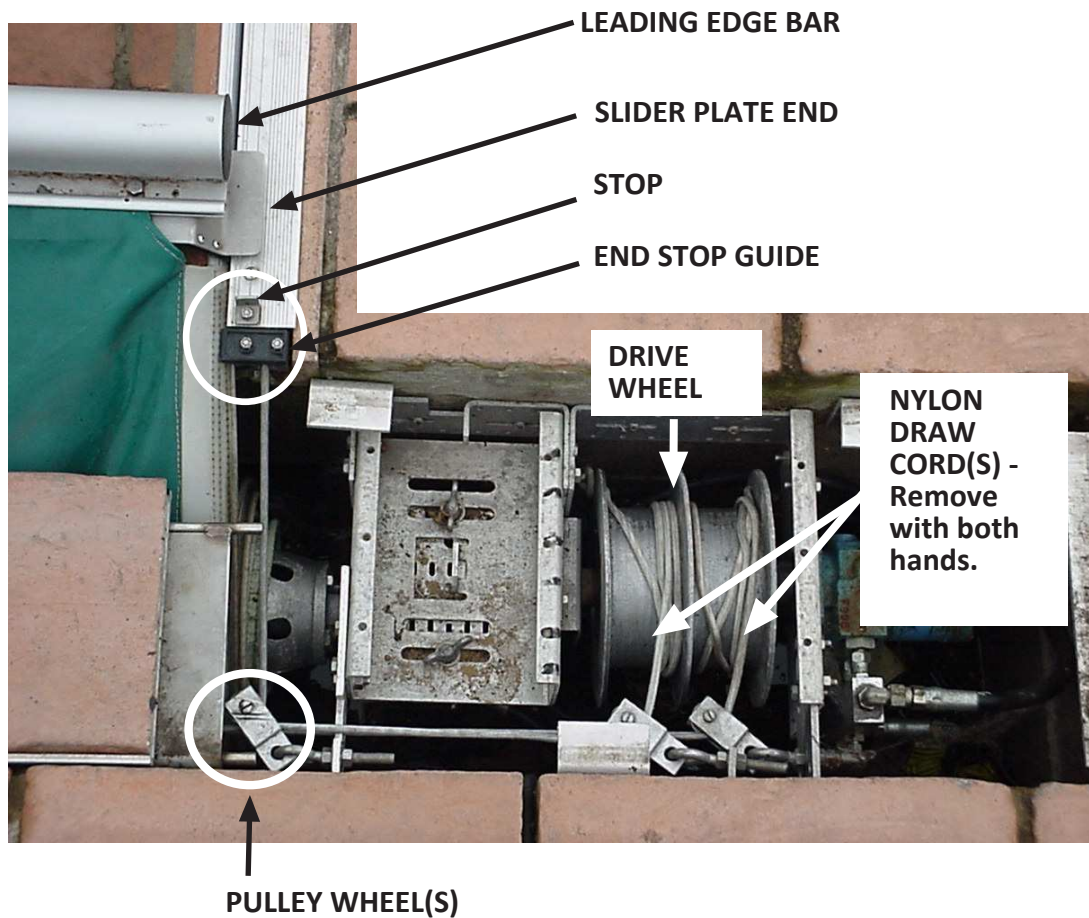
1. Has the cover jammed preventing the cover material from moving thus causing the rope cords to snap or is it just wear & tear. **(If cover is jammed see also 'How to Free a Jammed Cover')**
2. Was there excessive amounts of water on top of the cover preventing from moving. Remember 1" of water on a 40 x 20' pool weighs approximately two tonne! If there has been a build up of rain water i.e 3-4" of water on top of the cover then all the pulling forces are directed to the rope cords resulting in a snapped rope.
3. Is there any debris present in the running tracks. The most common debris build up is **PINE NEEDLES** this is due to a lack of maintenance. Pine Needles will build up and in the running guides and eventually compact to form a solid mass in the tracks preventing the Slider from moving.
4. Check all pulley wheels, are they in good working order? replace if necessary.

TO REPLACE A SNAPPED ROPE CORD CARRY OUT THE FOLLOWING:-

1. Fully retract the cover to the open position until the slider plates have hit End Stops. Cover should now be off the pool. (you will still be able to retract cover as the roller drum will still operate!)
2. Remove pit housing lid to expose Drive Unit. (Inwall Track Systems - dismantle entire lid section)
3. Using your hands pull **both** draw cords simultaneously and remove cords from the drive wheel - you will have to undo a slip knot to remove cords entirely from the Drive Wheel.
4. Remove Endstop & End Stop Guides.
5. Slide Leading Edge Bar from tracks.
6. Remove Slider Plate from Leading Edge Bar (undo bolt threaded bolt).
7. Remove Slider Plate from Slider (undo 4 x Slider locating screws). Inspect Slider for wear & tear.
8. Remove Slider from draw cord (undo 4 x Slider screws).
9. Remove damaged rope cord from track. (If rope cord has snapped in pit area, using some insulation tape join the new replacement cord to the **old cord to enable you to draw the new replacement cord** through the tracks & pullies). Discard old worn rope cord when new rope is in place.
10. Attach new rope cord to Slider. **(see technical sheet 'how to change a slider')** reinsert Slider(s) back into to tracks and reassemble i.e. Slider - Slider Plate - Leading Edge Bar.

NOTE:- When reassembling Slider Plate to Leading Edge Bar make sure that they are free to move from left to right (this enable the L/Edge Bar to move back and forth preventing jamming).

To identify the correct 'free moving joints' **LOCKING Nuts** are used.



PULLEY WHEEL(S)

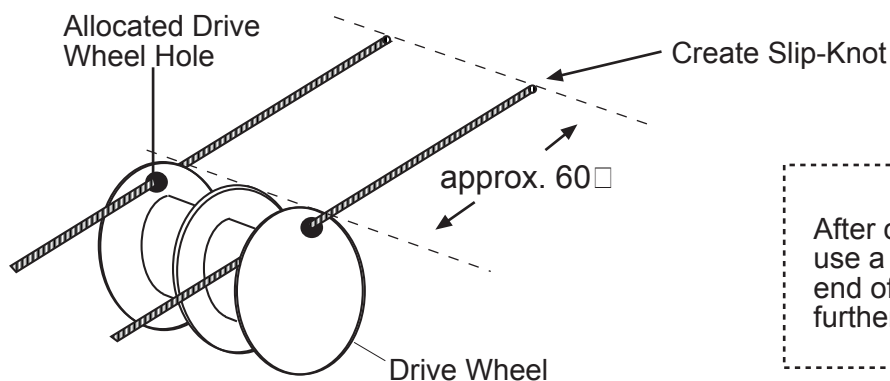
11. Check rope cord(s) have been threaded through the correct pulleys (see Rope Cord - string up).

12. The rope cords must now be attached to the Drive Wheel. To do this you must insert rope cord into the correct allocated hole that is on each side of the Drive Wheel see dia. below.

If replacing both rope cords it is important that equal lengths of rope cord are attached to the Drive Wheel. Having thread the rope cords through the Drive Wheel leave approximately 60" of rope cord spare.

13. Create a slip knot on end of each rope cord.

14. Turn key switch to 'close' position - this will activate Drive Wheel, carefully wind rope cords evenly onto the Drive Wheel until all the slack rope has been fully wound onto the Drive Wheel.



TIP
After cutting rope cord(s) use a lighter to fuse the end of cord to prevent further fraying.

15. Run cover on and off two times.

16. Check position of 'Compensator' - the two pulley wheels should be in the centre of the compensator bracket. If necessary release Compensator Bracket Plate from the pit housing wall and realign.

17. Open and Close cover and adjust skew if required.

ROPE CORD- String Up

