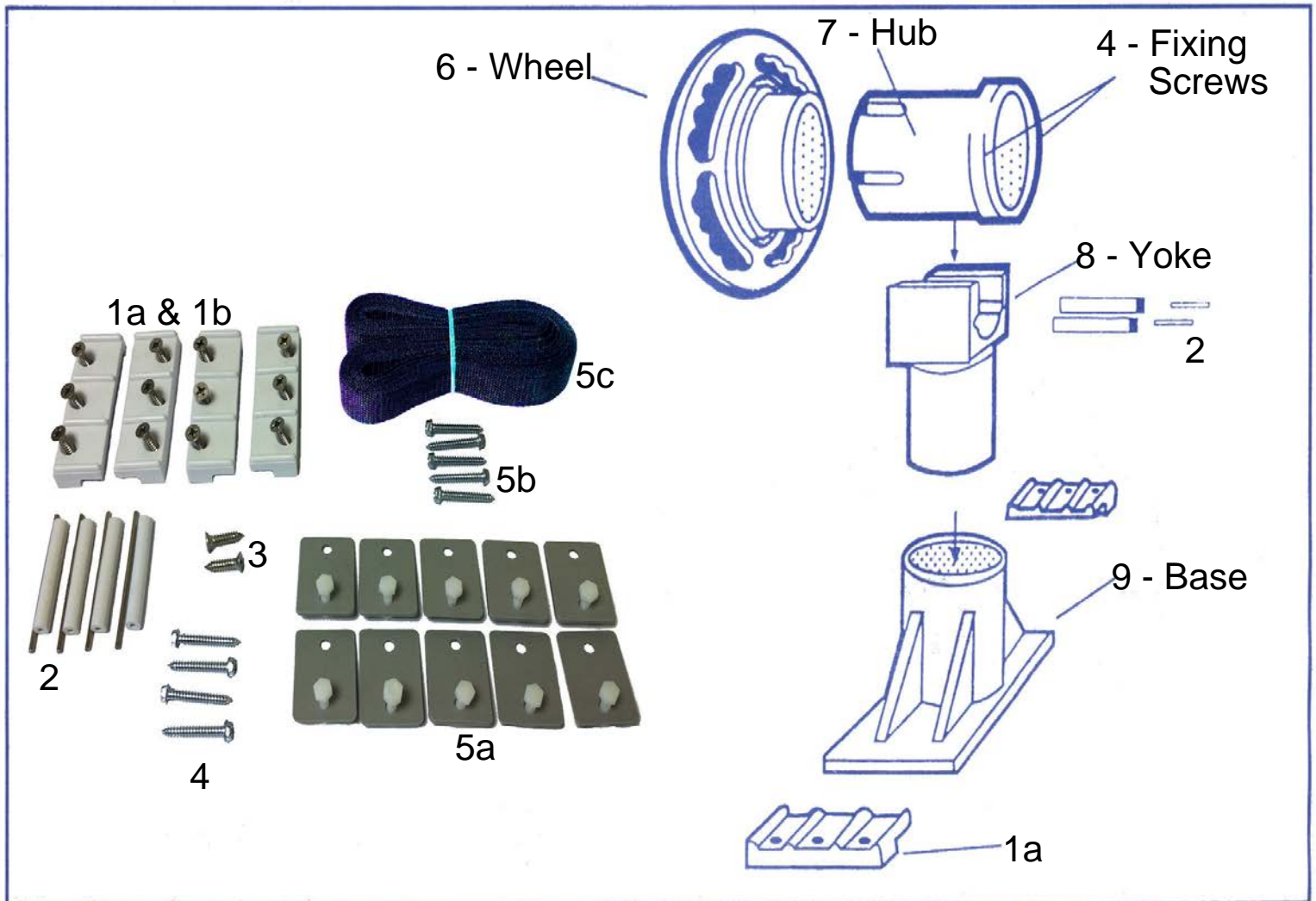


# Reel System Assembly Instructions



## Assembly Components:

1a - Top cap fixing clamp - 2 pairs

1b - Top cap fixing clamp cross head screws x 12

2 - Beam Rollers - Comprises 4 x plastic rollers with stainless steel insert roller pins.

3 - Stainless steel cross head wheel to hub securing screw x 2.

4 - Hexagonal head aluminium tube to hub securing screw x 4.

5a - Plastic solar cover to strap securing plate x 5 pairs, nylon nut & bolt set x 5 (2 for each plate).

5b - Hexagonal head strap to beam securing screw x 5.

5c - Webbed high strength cover strap x 5.

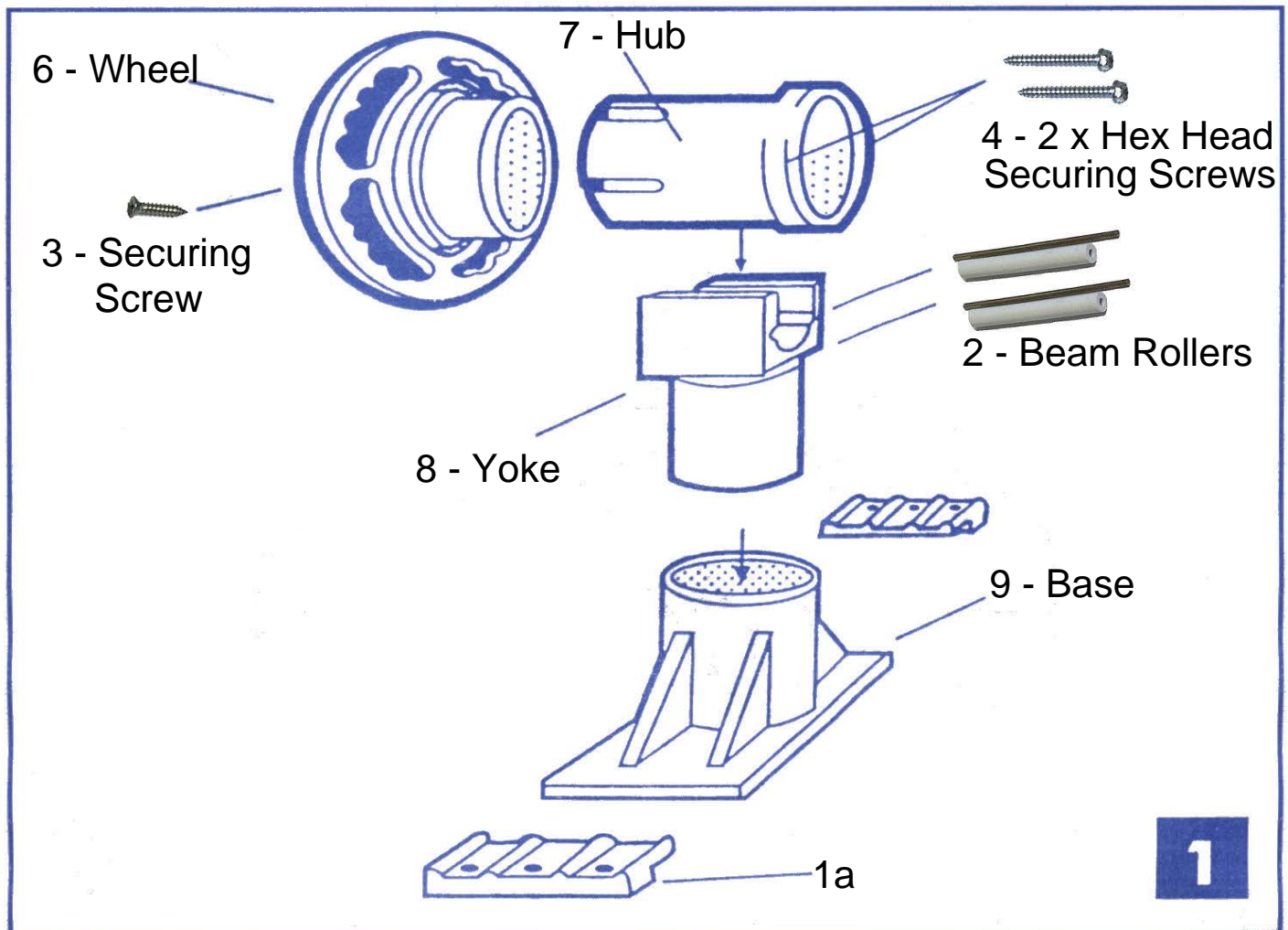
6 - Roller end wheel handle x 2.

7 - Roller beam end hub x 2.

8 - Roller swivel yoke x 2.

9 - Roller system base x 2.

(Not Illustrated) - 3 x 8' (2.44m) aluminium telescopic tubes - 2 inner & 1 outer tube.



- 1 - The reel system is made up of 3 x aluminium inter connecting beams of 8' (2.44m) in length. The two smaller diameter beams slide equally into the large centre support beam and the hubs then slide over the end of each small beam.

When the reel system is connected without trimming the beams, the total beam width is 16' (4.88m) wide. Therefore for narrower pools it is necessary to trim down the smaller beams to your pools width. This needs to be done equally on both of the smaller diameter beams and can be done easily with a standard hacksaw with a standard steel cutting blade.

(Please ensure you wear personal protective equipment such as eye protection and gloves when trimming beams. There will also be an amount of aluminium swarf which should be collected and disposed of safely. Using a file or emery paper ensure the cut ends are rounded to reduce the risk of fouling as the cut end is fed back into the larger central beam.)

#### As a guide:

- For pools with a width of 22' (6.7m) extend both small beams by approx 36" (915mm)
- For pools with a width of 21' (6.4m) extend both small beams by approx 30" (760mm)
- For pools with a width of 18' (5.48m) extend both small beams by approx 12" (300mm)
- For pools with a width of 15' (4.57m) trim both small beams by approx 6" (150mm)
- For pools with a width of 12' (3.66m) trim both small beams by approx 24" (609mm)

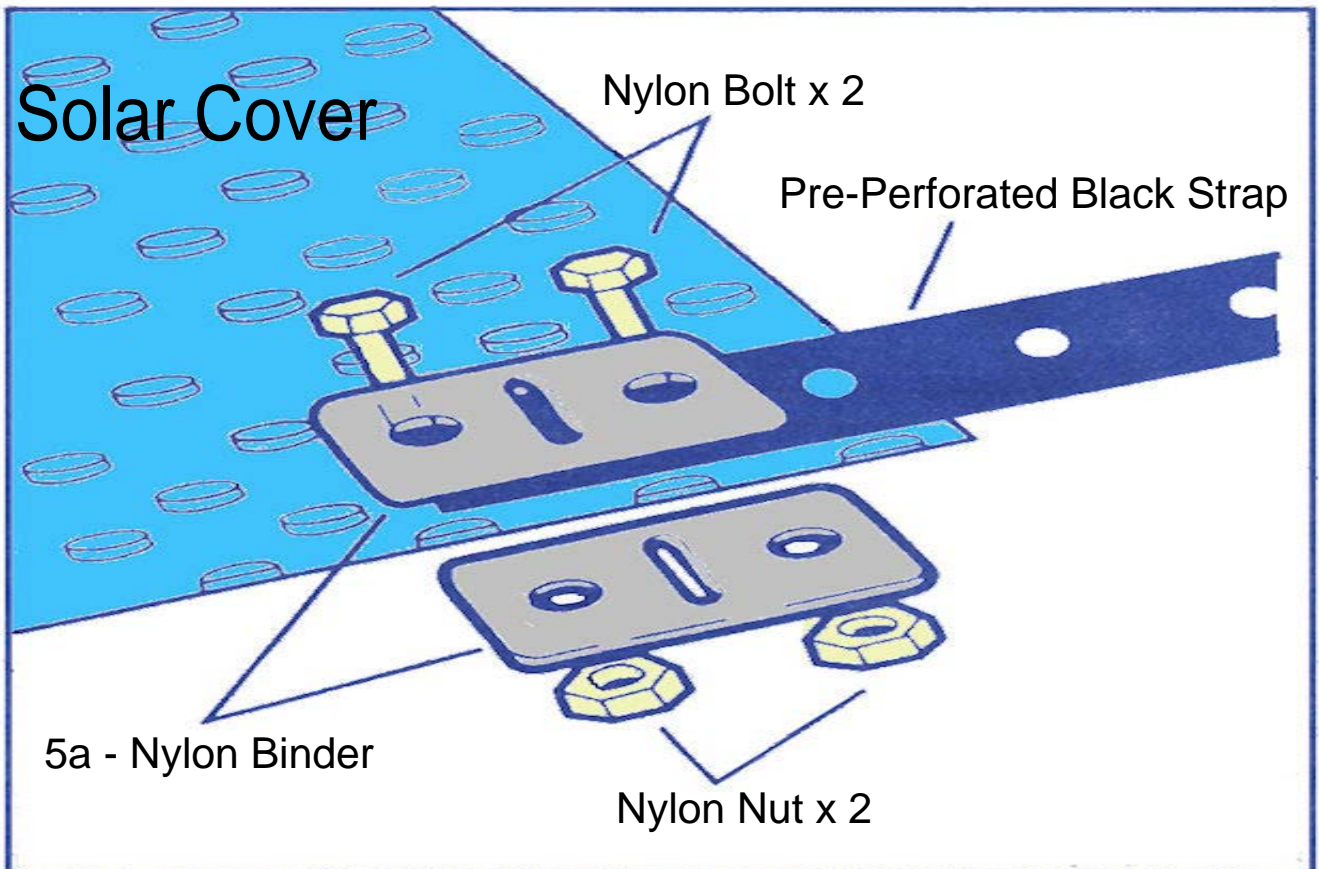
- 2 - Once you have established the correct beam width (ensuring that the smaller beams are equally extended from the central larger support beam) push the end white hubs (item 7), over each small beam.

- 3 - Then place over each hub the large roller wheel (item 6), securing each wheel with the cross head stainless steel screws supplied, (item 3) - Please note that there are 14 cross head screws supplied in this pack, 12 being required for the cap clamps.
- 4 - For steel family pools - to fix the beam base to the pool's top metal capping (minimum width of 4" top capping required). Firstly position your assembled reel across the pool in your desired location, then assemble the yoke (item 8) into the reel base (item 9) and carefully rest the reel hub (item 7) into the yoke, repeat for the opposite end. Ensure both base plates are now in the final position and lay the top cap fixing clamps (item 1a) at either side of the base plate. Mark all 12 holes to be drilled. Carefully move the reel system to allow easy access to drill all 12 holes. Use a 4mm steel drill bit to pre-drill the top rail of your pool. Carefully remove all swarf and re-position your base plates into their final position, ensuring the reel system is sitting square within the yokes. Using 12 x cross head stainless steel screws (Item 1b) fix all four top cap clamp plates securely to the top pack making sure the base plates are fully secured.
- 4 - For wooden above ground pools - to fix the beam base to the pool's top wooden capping (minimum width of 4" top capping required). Firstly position your assembled reel across the pool in your desired location, then assemble the yoke (item 8) into the reel base (item 9) and carefully rest the reel hub (item 7) into the yoke, repeat for the opposite end. Ensure both base plates are now in the final position and lay the top cap fixing clamps (item 1a) at either side of the base plate. Mark all 12 holes to be drilled. Carefully move the reel system to allow easy access to drill all 12 holes. Use a 4mm wood drill bit to pre-drill the top pack of your wooden pool. Re-position your base plates into their final position, ensuring the reel system is sitting square within the yokes. Using 12 x cross head brass wood screws (not supplied) fix all four top cap clamp plates securely to the top pack making sure the base plates are fully secured.
- 5 - Ensure your reel system is now securely located on both yokes, and runs freely when the handles are turned.



- 6 - Installation of the solar cover and straps can now be planned. It is advisable to allow your solar cover to lay on the pool for a couple of days before attempting to tailor your cover. This will allow the cover to become totally flat making trimming with (a good quality pair of) kitchen scissors easier if required. Ideally it is better to have the solar cover slightly larger to ensure a snug seal all around the pool perimeter.

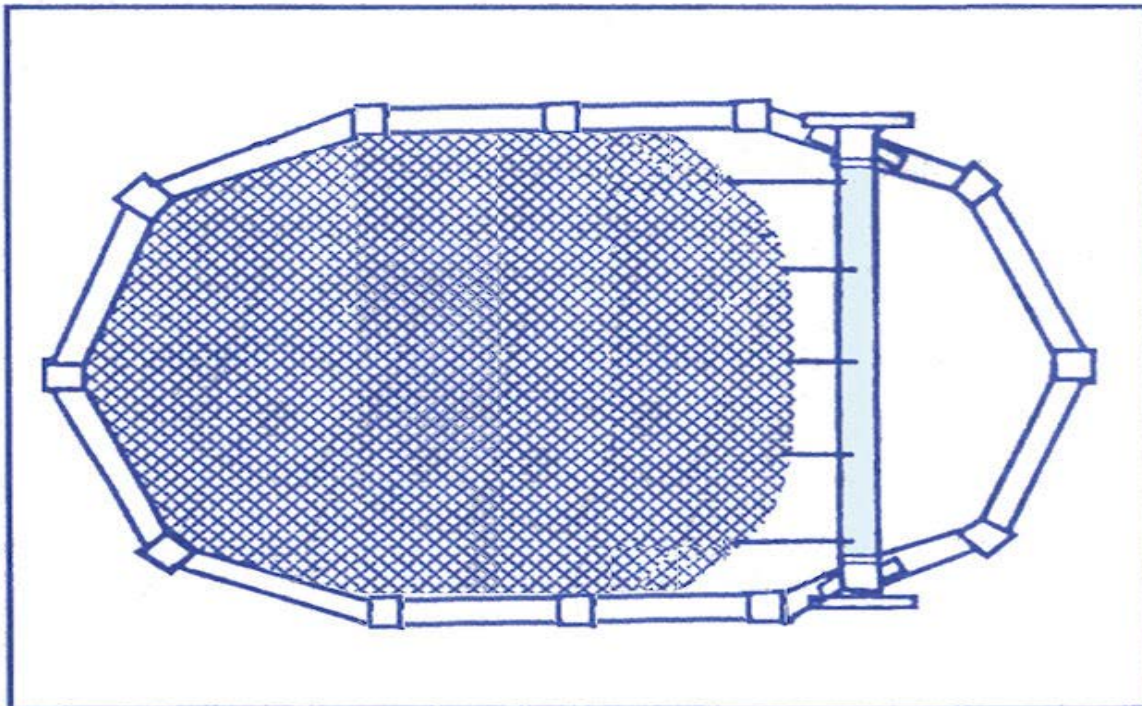
7 - Connecting the solar cover to the straps is achieved by using the nylon binder clips (item 5a). Simply Place the black strap (item 5c) on top of the solar cover (bubbles down). Ensure you place the strap onto the solar cover so that the first 2 holes in the strap are clearly on the cover to allow the 2 nylon bolts to penetrate the cover and complete the binder clamp by tightening the corresponding bolts as shown below.



8 - To connect the long black strap (item 5c) to the reel system is completed by firstly marking the position of your strap on the aluminium beam, then pre-drill the beam using a cordless drill with a 4mm metal drill bit. Using one of the five hexagonal head screws (item 5b), screw down each strap into the aluminium beam. Ensure you use all 5 straps to fully support the solar blanket during removal.



9 - For oval pools your reel system can be set up towards one end of the pool as shown below.



As the picture above shows, for oval pools the cover can be connected to the end of the cover. End of cover connection - by utilising the straps and making sure the lengths are correct, you can attach the straps to the cover so that when you reel in the cover, it loops back on itself (right to left) to roll under the beam and then up in a clockwise direction off the pool onto the roller. To cover the pool, simply pull the cover to the left hand side of the pool, as the cover comes off the roller it will eventually flop under the beam to float out to the far right.



As the picture above shows, for round pools the cover can be connected to the middle of the cover

Middle of cover connection - by utilising the straps and making sure the lengths are all equal, you can use the clamp plates to secure the cover along a line directly under your beam. Fit the clamps with the black straps uppermost enabling the cover to be grabbed up in the middle. This then pulls a double layer of the solar cover up onto the roller uncovering the pool from 2 sides at the same time. To cover the pool simply un-roll the roller to allow both halves of the cover to hit the water where they can be encouraged to float in the correct direction to cover the pool.