

Swing Wing Pole Assembly

1. Remove pole sections from packing materials and lay out on the ground. There should be a base portion of the pole that is already pre-assembled. There will also be octagonal section(s) that will fit onto the upper section of the pole. Lay these on the ground in the appropriate location on the top portion of the pole.
2. Place dunnage under the pole and the top sections. Ensure the dunnage is the same height and that the ground is level. This will keep the pole in a straight linear line.
3. Insert the next section of the pole onto the top of the base section allowing for a tight fit as seen in Fig (1). Ensure the seams of the section are turned to be 90° out of phase from the section below it. Looking down the pole from the bottom, ensure the section being added is straight in line with the bottom of the pole (this prevents the pole from being crooked).

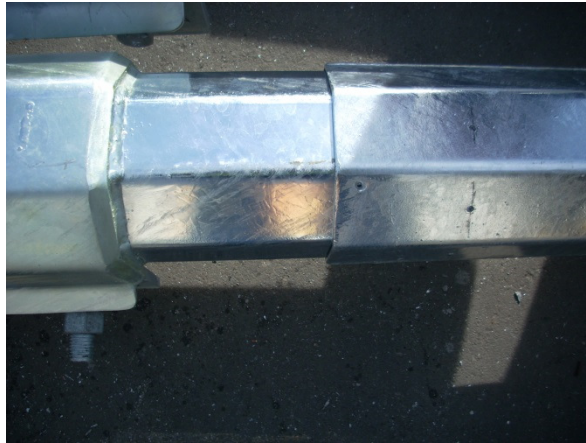


Fig (1).

4. Place a large block of wood on the top of the section being added; drive the added section onto the lower portion of the pole with a large wooden maul/sledgehammer. Keep driving the section until there is no more movement at the overlap. Check to make sure the added section is still straight on the top of the pole (If there is one than one section to add to the top of the pole repeat the above process).
5. At the overlaps there are holes drilled in the outer overlapping section. Using the supplied drill bit drill the same holes through the inner section of the joint. Rivet the joint using the supplied rivets. There should be 8 rivets per joint. Fig (2).



Fig (2).

6. On the cross arm, remove the bolt on the spigot socket. Place the cross arm on the spigot and position as desired on the pole. Lock in place by tightening the grub screws. Using the holes that the removed bolt was located in as a guide, drill the spigot with a 13mm drill. Put some cold galv paint on the exposed steel on the hole in the spigot. Secure the supplied bolt in place. Fig (3).



IMPORTANT: ANY CHANGES TO THE COMPONENTS OR LUMINAIRES OF THE POLE CAN CAUSE A CRITICAL IMBALANCE TO THE POLE DURING OPERATION THAT CAN RESULT IN SERIOUS ACCIDENT OR INJURY. ANY CHANGES OF COMPONENTS MUST BE AUTHORISED BY SPUNLITE POLES LTD.

Lowering Instructions

1. Attach the provided lowering rope to the 8mm locking lug located on the base to the tail assembly. Fig (a).



Fig (a).

2. Check the counter weights (were supplied) are firmly fixed to tail.

3. Remove fuse cavity cover plate (door).
4. Locate internal 'locking' nut opposite the door opening. Remove the 'locking' nut. Fig (b).



Fig (b).

5. Remove Secondary 'locking mechanism' and store safely. Fig (c).



Fig (c).

6. Remove the external M16 set screw and washers to release the tail assembly from the pole. Check the set screw and washers for damage and replace if necessary.
7. While standing 6-8m away from the pole, gently pull the rope to move the tail assembly away from the pole and create a swing effect of the pole section. This 'lowers' the top sections of the pole.
8. Control lowering speed to allow a gentle stop when the top of the pole is fully 'lowered'.
9. Check the cross arm mounting grub screws, securing bolts and luminaire fastenings are tight as per mounting instructions.
10. Complete luminaire maintenance as required. **Important If the luminaire is to be removed from the cross arm, the pole sections must be secured to prevent the tail of the pole from swinging downwards.**

Raising Instructions

1. Standing 6-8m away from the pole, gently pull on the lowering rope, raising the pole to the 'operational' position and lowering the tail section of the pole.
2. Once wing is lowered, gently push the tail section into the final 'locking' position up against the column.

3. Check the 'internal locking' nut, spring washer, flat washer and M16 locking set screw for any damage and replace if necessary. Fig (d).

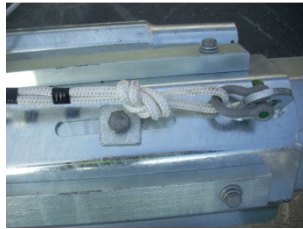


Fig (d).

4. Fit the M16 locking set screw with spring and flat washer through the tail assembly into the threaded nut in the column. Tighten the locking set screw ensuring the tail assembly is tight against the column. Tighten the locking set screw to 90 ft/lbs. Fig (d).

5. Fit the internal 'lock' nut and tighten to 90 ft/lbs. Fig (e).



Fig (e).

6. Fit the external secondary locking system in place. Fig (f).



Fig (f).

7. Replace the fuse cavity cover plate (door).
8. Remove the lowering rope and store in a safe dry location away from the column.
9. Complete a final visual pole check and note any damage or maintenance issues to the appropriate authority.