

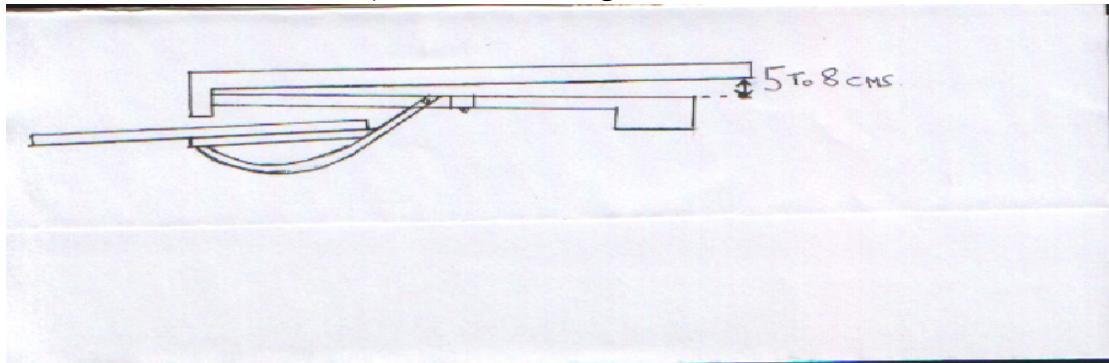
BOW ARM FITTING NOTES

The following notes will hopefully explain some very important points regarding automation of canopy doors with a Bow Arm.

It is useful to note that trolley travelling distance is considerably less with a Bow Arm. For example, with a 7ft retractable door the trolley has movement of almost 7ft. However, with a 7ft canopy the trolley moves less than 3ft. This therefore means that the operator is doing twice as much work with a Bow Arm as it achieves the same result of opening the door with under half the amount of movement for what is required on a retractable.

It is even more essential when fitting a Bow Arm that the door is oiled and running smoothly.

The mounting position of the operator is also of critical importance. In general the operator must be as low as possible with the motor head running down from the front mounting bracket. Fit the motor head with a 5 to 8 cm drop from the front fixing bracket.



Under no circumstances should the motor head be above the front mounting bracket.

Extend the Bow Arm fully so that it touches the top of the C rail inside. The action of pulling the Bow Arm down to fit to the trolley helps to kick the door up.

After fitting the arm to the trolley spray the Bow Arm joints with WD40, then manually open and close the door several times to allow the WD40 to penetrate. Now slide the door on to the chain tensioner at set limits and pressures as required.

It is also very important that the Bow Arm and operator are fitted dead central. If the motor rail runs off to one side then it puts unnecessary pressure on the motor.

It is quite normal for the door to not fully open. The Bow Arm becomes the lowest point, therefore it is not necessary to over strain the motor to open the door fully.