

Installation Guide for Betta 4000 Drop Arm Awning – Crank Handle without a Weather Box (Hood)

Please Note: These instructions should be read thoroughly before installing.

This is a guide to assist in the installation and care of your external awnings. Betta Blinds and Awnings do not guarantee the accuracy of the information contained in this guide. We recommend an experienced expert installer to rely upon their own skills. This is based on general knowledge concerning the assembly, materials and working process of the external blinds, which is known to us at the time of printing this guide, consequently, is subject to change and Betta Blinds and Awnings specifically reserves the right to change this guide without notification.

Ensure all components are included in your packaging, before proceeding to install:

- | | |
|--------------------------------|--|
| ■ Universal brackets x 2 | ■ Pack: pivot pin and plate with nut and bolt, split pin |
| ■ Gearbox | ■ Arm x 2 (Bolt & washer x 2 of each) |
| ■ Nut and bolt for gearbox x 4 | ■ Blind |
| ■ Crank handle (if required) | |

You will also need: screws, plugs, Philips head screwdriver, drill, hammer drill (if drilling into concrete), measuring tape, shifter and spirit level

If installing on a brick wall NEVER put the screw into a mortar line. If the position you need to drill is over a mortar line move up to the centre of the brick above that position.

1. Check the size of your blind against the label, which will be attached to the packaging, or it could be on the blind.
2. Install the pivot pin into the end of the blind and plate to the idle end bracket, using nut and bolt provided. You will now have two different brackets the control end and idle end.
3. Install Brackets - The outside measurement from bracket to bracket is the OPEN size, it is the width of your blind. Mark where the control end bracket is to be installed and the idle end. Drill, plug and attach brackets. Ensure that the position where the fasteners run through the brackets are secured into brick, or into the wall's structural support. **NB: Ensure that the brackets are fitted level horizontally.**
4. Attach gearbox to the bracket, using nut and bolt provided. **Note:** If the awning is a reveal fit attach the gearbox to the bracket before installing the bracket to the structure. The gearbox can be positioned in two different angles. Betta Blinds and Awnings recommend the gearbox to be angled outwards for ease of use. **NB: Bolt from the outside in.**
5. Hang the blind. The motor end / crank end (square tube end) goes in first. The blind must roll in a reverse direction (waterfall). Drop the other end onto the slotted part of the pin. Secure this end with the split pin supplied.
6. Installing the arms: Wind the awning down so you can easily access the bottom rail. Attach the first arm to the bottom rail. The threaded flat bar is already inside the bottom rail. (See Pic 1) Make sure the foot of the arm is facing inwards as shown in Pic 2. Attach the arm by screwing the bolt into the threaded flat bar. The two washers supplied should be used when fastening the bolt. Attach the second arm to the bottom rail with the foot facing in.



Pic1



Pic 2



Pic 3

7. Wind the awning up to its desired top finish position. The arms should be hanging downwards.
8. With the arms hanging downwards mark the holes where you are fixing the arm to your structure. Drill holes and attach the arm using bolts. (See Pic 3) The arms are universal so can be fitted face or reveal fit. Make sure the arms are fitted level. If the arms fall in line with a mortar joint move the arms inwards or outwards to miss the mortar line.

9. Attach the second arm to the wall.

10. Once the arms are attached to the wall remove the grey pin (refer to pic) that holds the spring in position.



NOTE: DO NOT REMOVE THE GREY PINS UNTIL BOTH ARMS ARE ATTACHED TO THE BOTTOM RAIL AND TO THE STRUCTURE. IF REMOVED BEFORE, THE SPRING TENSION ON THE ARM COULD CAUSE SERIOUS INJURY

11. Insert crank handle into gearbox and crank your awning down.

MOTORISATION

For motorised awnings you will need a qualified electrician to trim and attach plug to the lead or hardwire.

Program motor as per instructions: <https://www.betta-blinds.com.au/bbaa/installation-guides>

Caution: Like all outdoor blinds, it is prudent to retract the blind in the presence of strong winds.

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Ensure all components are included in your packaging, before proceeding to install:

- | | |
|--|--|
|  Gearbox |  Rivets x 6 |
|  Nut and bolt for gearbox x 4 |  Pack: pivot pin and plate with nut and bolt, split pin |
|  Crank handle (if required) |  Arm x 2 (Bolt & washer x 2 of each) |
|  Weather Box |  Blind |
|  Weather Box end caps | |

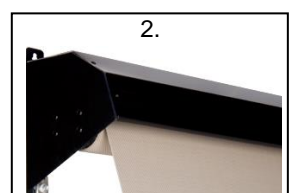
You will also need: screws, plugs, Philips head screwdriver, drill, hammer drill (if drilling into concrete), measuring tape, spirit level and shifter

If installing on a brick wall NEVER put the screw into a mortar line. If the position you need to drill is over a mortar line move up to the centre of the brick above that position.

1. Check the size of your blind against the label, which will be attached to the packaging or the blind.

Fitting the Weather Box (Hood)

- A. Remove the awning from the weather box.
 - B. Attach end caps to hood using rivets supplied (3 at each end).
 - C. Measure the width of the hood then the width of the window. The difference between the two is the total amount of overhang your box will have. Divide this number by two to determine how much overhang you will have on each side. E.g. If the hood measures 2300 and the window measures 2000, the total overhang will be 300mm. dividing by two equals 150mm each side of the window.
 - D. Carefully raise the weather box into position ensuring that it is horizontal. Mark the top drill hole through the eyelet - *refer to picture 1* - and then the bottom hole.
 - E. Pre-drill all holes and plug. When all holes are drilled, carefully position the hood and fasten with screws.
2. Install the pivot pin into the end of the blind and plate to the idle end of the hood, using nut and bolt provided.
 3. Attach gearbox to the weather box using nut and bolt provided. **Note:** If the awning is a reveal fit attach the gearbox to the weather box before installing the bracket to the structure. The gearbox can be positioned in two different angles. Betta Blinds and Awnings recommend the gearbox to be angled outwards for ease of use. **NB: Bolt from the outside in**
 4. Hang the blind. The motor end / crank end (square tube end) goes in first. The blind must roll in a reverse direction (waterfall), - *refer picture 2*. Drop the other end onto the slotted part of the pin. Secure this end with the split pin supplied.



- Installing the arms: Wind the awning down so you can easily access the bottom rail. Attach the first arm to the bottom rail. The threaded flat bar is already inside the bottom rail. (See Pic 1) Make sure the foot of the arm is facing inwards as shown in Pic 2. Attach the arm by screwing the bolt into the threaded flat bar. The two washers supplied should be used when fastening the bolt. Attach the second arm to the bottom rail with the foot facing in.



Pic 1



Pic 2



Pic 3

- Wind the awning up to its desired top finish position. The arms should be hanging downwards.
- With the arms hanging downwards mark the holes where you are fixing the arm to your structure. Drill holes and attach using bolts (See Pic 3) The arms are universal so can be fitted face or reveal fit. Make sure the arms are fitted level. If the arms fall in line with a mortar joint move the arms inwards or outwards to miss the mortar line.

Attach the second arm to the wall.

- Once the arms are attached to the wall remove the grey pin *refer to picture* that holds the spring in position.



NOTE: DO NOT REMOVE THE GREY PINS UNTIL BOTH ARMS ARE ATTACHED TO THE BOTTOM RAIL AND TO THE STRUCTURE. IF REMOVED BEFORE THE SPRING TENSION ON THE ARM COULD CAUSE SERIOUS INJURY

- Insert crank handle into gearbox and crank your awning down.

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