

SINGLE GATE (100MM POSTS)
ASSEMBLY INSTRUCTIONS



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Please read these instructions thoroughly before beginning the assembly, and then complete the build process in the order shown .

TOOLS REQUIRED

We would suggest will need the following to complete the build.

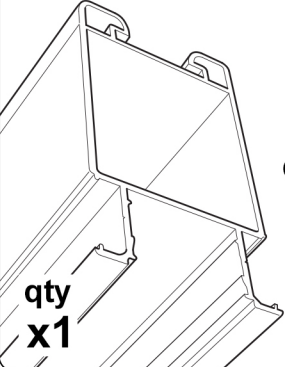
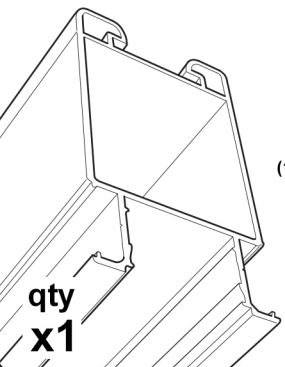
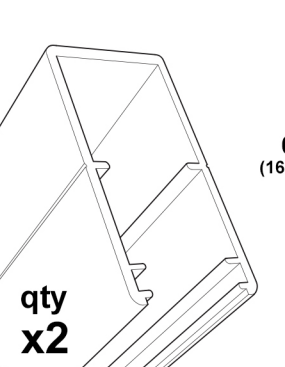
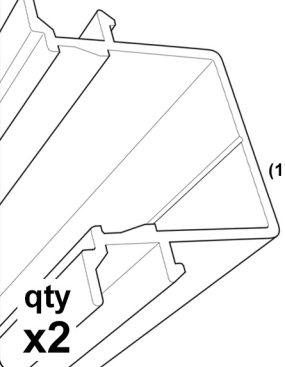
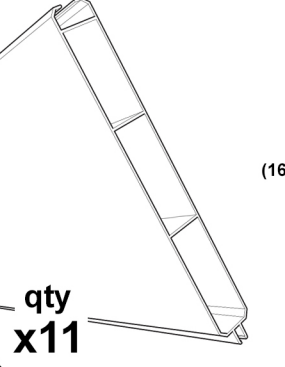
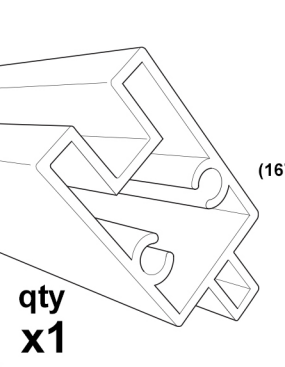
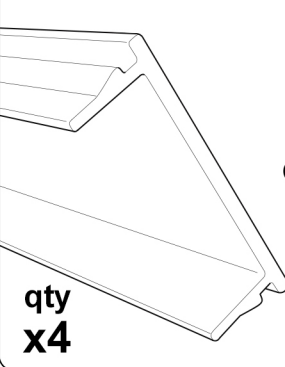
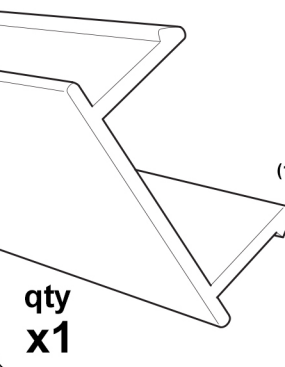
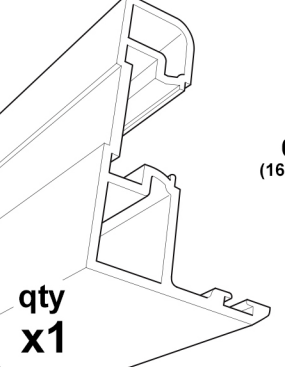

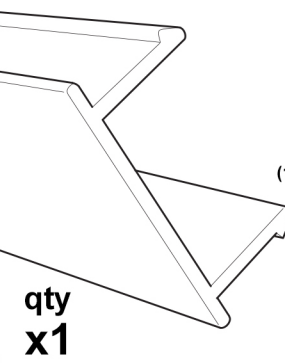
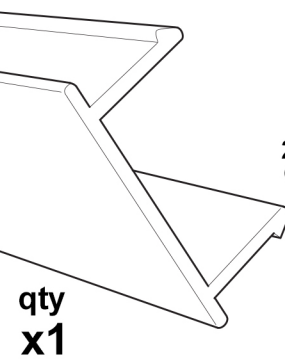
- Pencil
- Measuring tape
- Drop cloth
- Electric or cordless drill/driver
- Rubber mallet
- Spirit level
- Adjustable spanner/wrench
- Set square
- Aluminium cutting saw
- Safety glasses

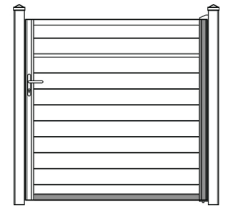
HARDWARE LIST - numbering key, quantity and details

item details	1	2	3	4
quantity provided	M5 12mm qty x3	M5 25mm qty x2	M5 45mm qty x1	M5 60mm qty x2
5	6	7	8	
M4 16mm qty x76	M5 25mm qty x3	M6 50mm qty x4	stopper nut qty x3	
9	10	11	12	
upright cover qty x1	upright cover qty x1	upright cover qty x2	hinge qty x2	
13	14	15	16	
top hinge cover qty x1	lock hub & key qty x1	outer handle qty x1	inner handle qty x1	
17	18	19	20	
spindle qty x1	strike plate qty x1	lock case qty x1	post cap qty x2	

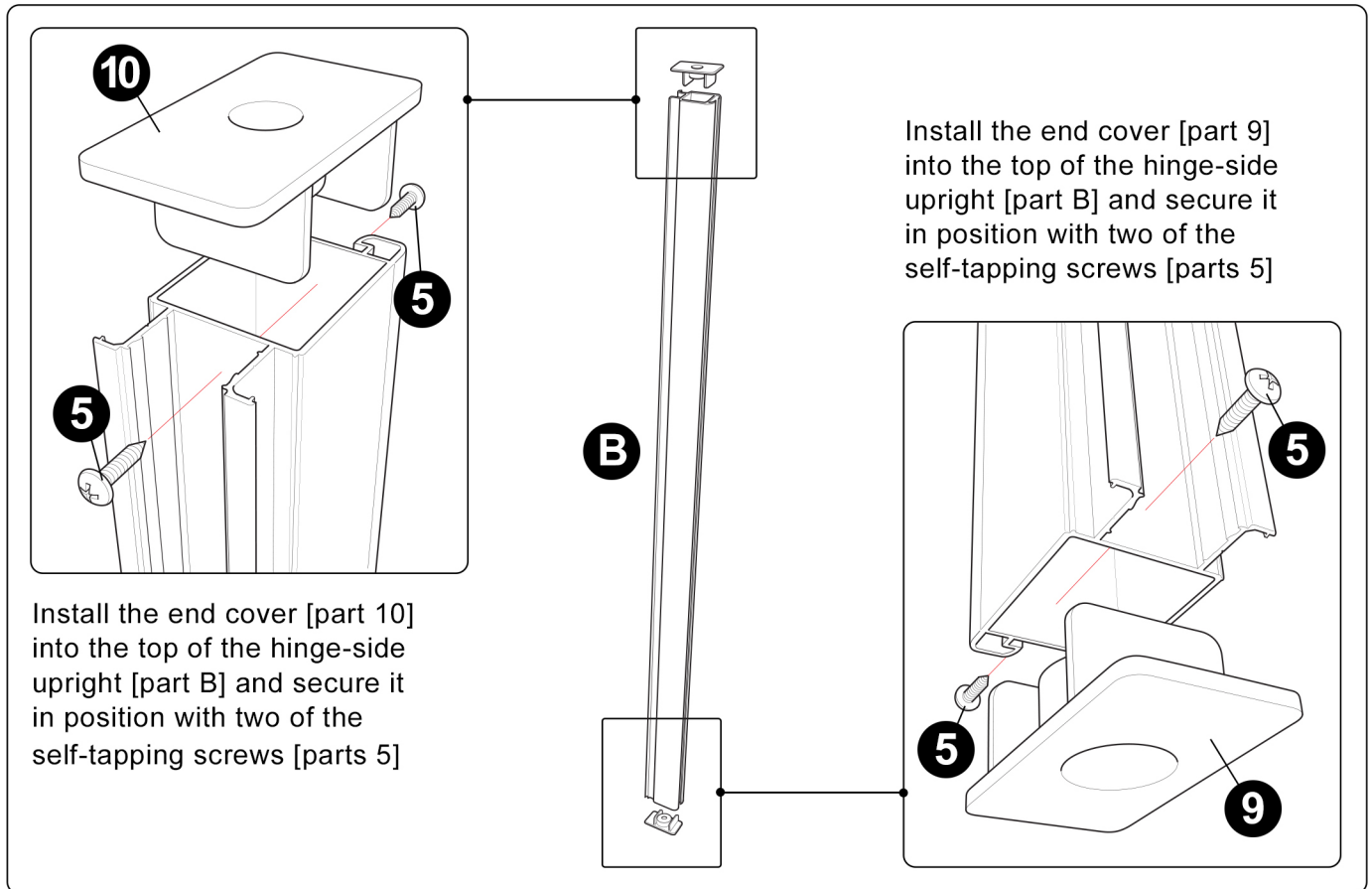
SINGLE GATE (100mm POSTS) ASSEMBLY INSTRUCTIONS

ALUMINIUM PARTS LIST - naming key, quantity and dimensions

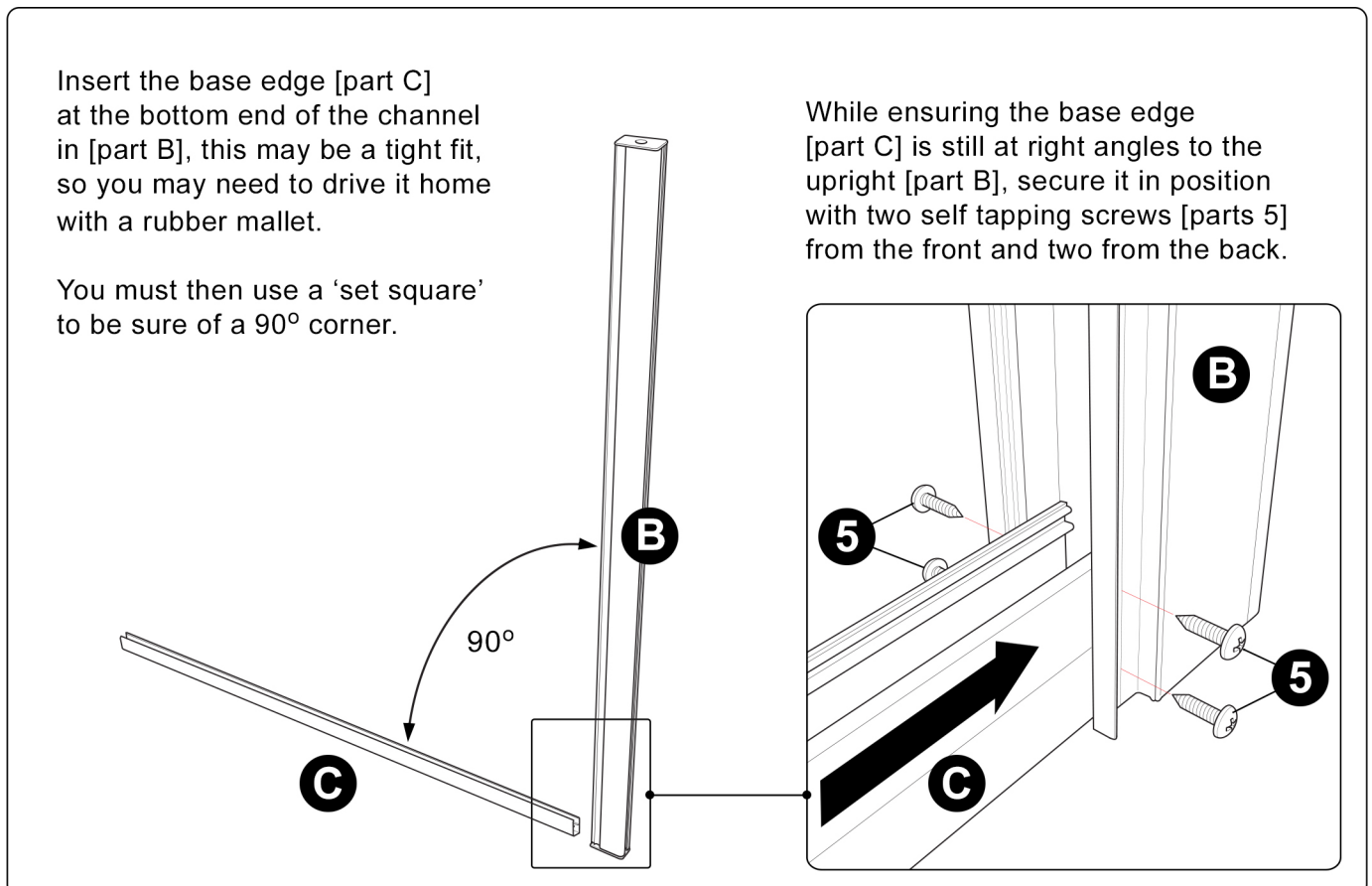
<p>A gate upright (handle/lock side)</p>  <p>3.17" (80.5mm)</p> <p>72" (1830mm)</p> <p>qty x1</p>	<p>B gate upright (hinge side)</p>  <p>3.17" (80.5mm)</p> <p>72" (1830mm)</p> <p>qty x1</p>	<p>C gate top/base edges</p>  <p>2.17" (55mm)</p> <p>66.15" (1680.2mm)</p> <p>qty x2</p>
<p>D panel inserts</p>  <p>0.78" (19.8mm)</p> <p>67.5" (1715.7mm)</p> <p>qty x2</p>	<p>E panels</p>  <p>6.22" (158mm)</p> <p>66.1" (1678.2mm)</p> <p>qty x11</p>	<p>F panel inlay</p>  <p>1.5" (38.1mm)</p> <p>66.1" (1678.2mm)</p> <p>qty x1</p>
<p>G gate face covers</p>  <p>0.77" (19.4mm)</p> <p>72" (1830mm)</p> <p>qty x4</p>	<p>H gate end cover (long)</p>  <p>0.79" (20mm)</p> <p>72" (1830mm)</p> <p>qty x1</p>	<p>J gate stopper</p>  <p>2.17" (55mm)</p> <p>66.15" (1680.2mm)</p> <p>qty x1</p>
<p>K gate post</p>  <p>4" (100mm)</p> <p>118" (3000mm)</p> <p>qty x2</p>	<p>L gate end cover (mid-length)</p>  <p>0.79" (20mm)</p> <p>40.9" (1038mm)</p> <p>qty x1</p>	<p>M gate end cover (short)</p>  <p>0.79" (20mm)</p> <p>22.52" (572mm)</p> <p>qty x1</p>

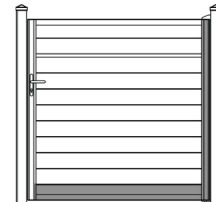


STEP ONE - fitting top and bottom upright covers to B



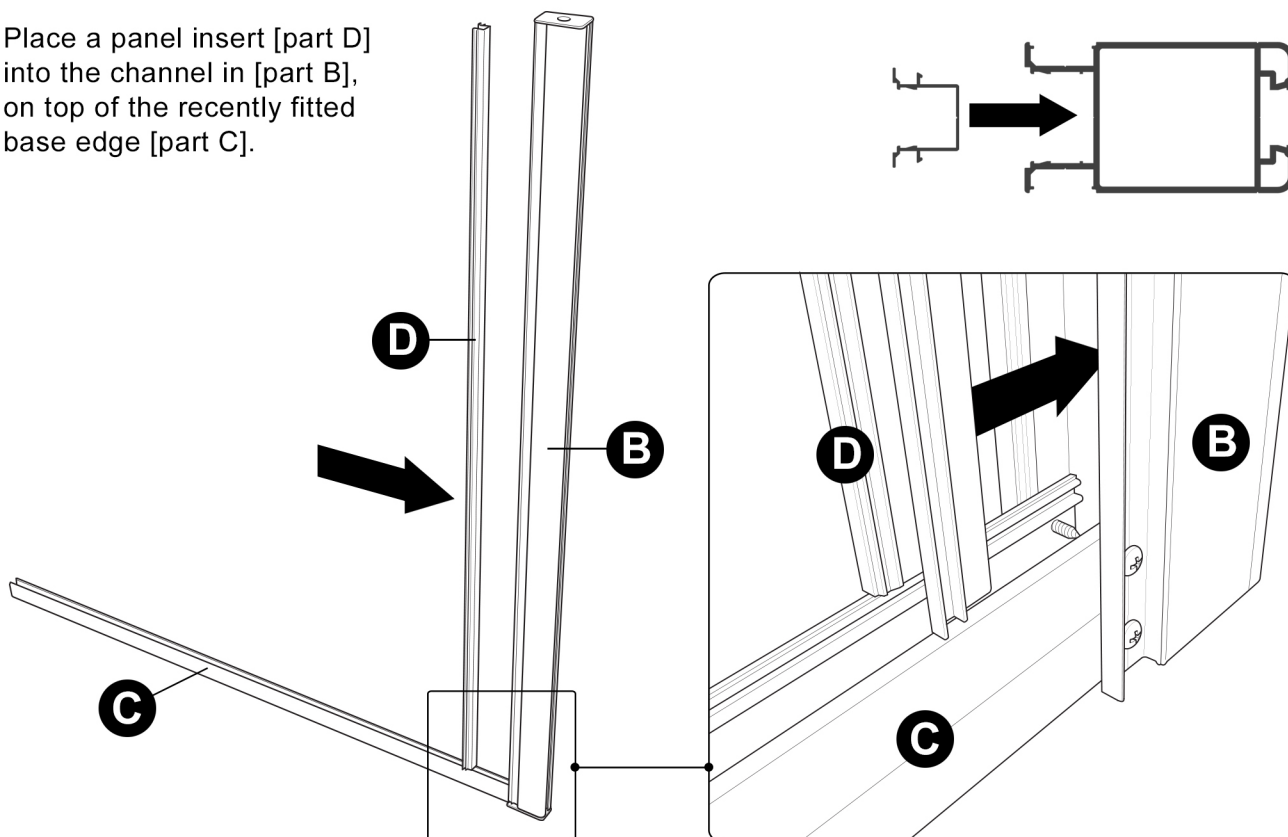
STEP TWO - mounting the base edge C at right angles





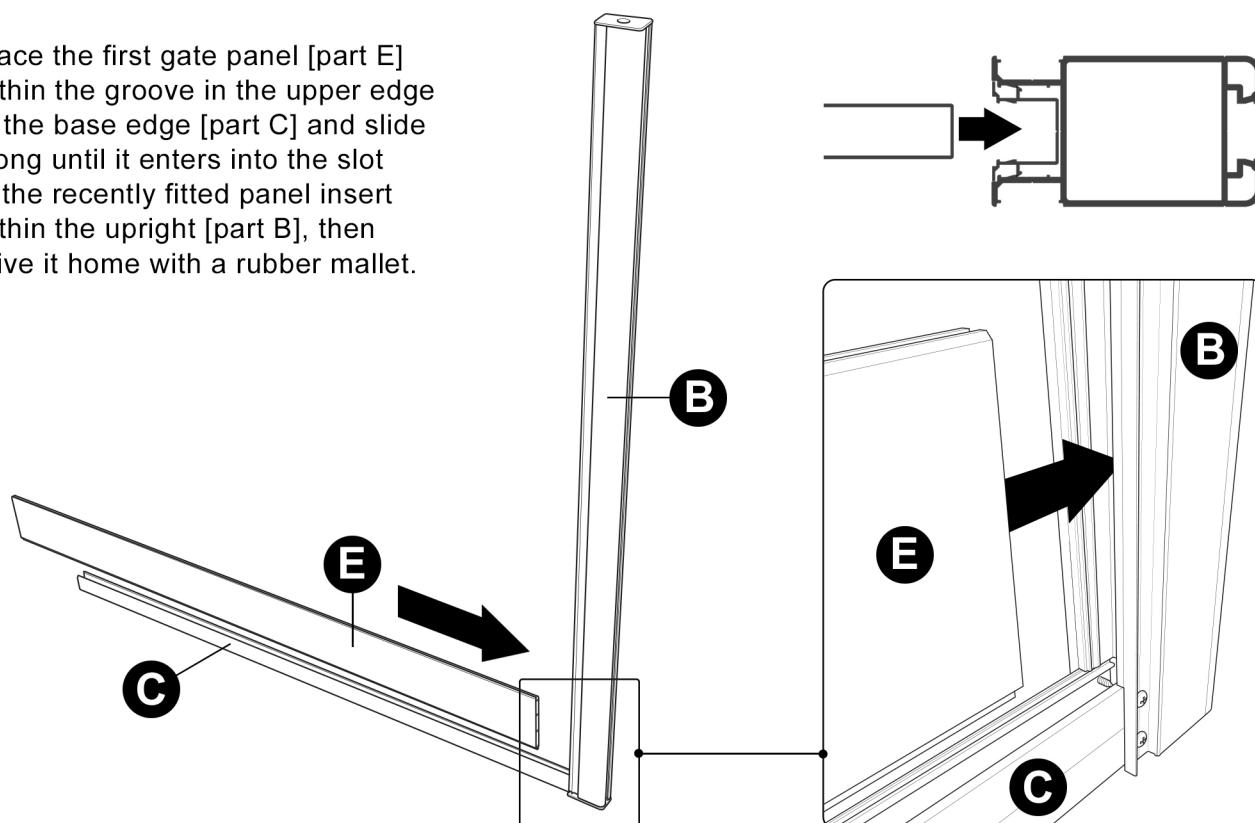
STEP THREE - preparing the upright for panel fitting

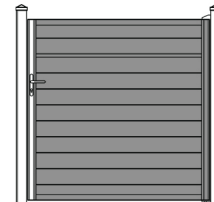
Place a panel insert [part D] into the channel in [part B], on top of the recently fitted base edge [part C].



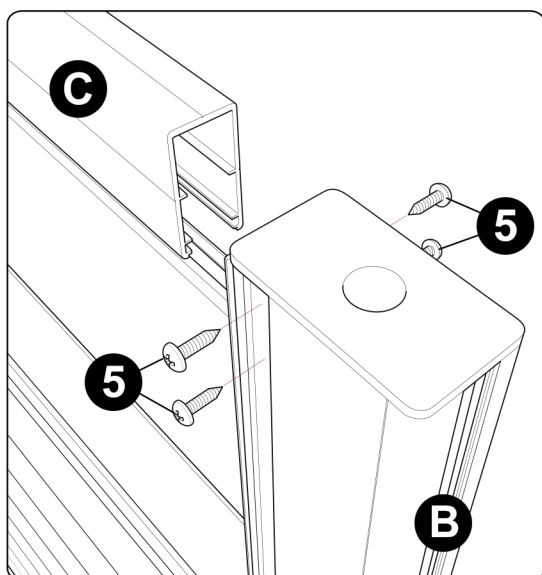
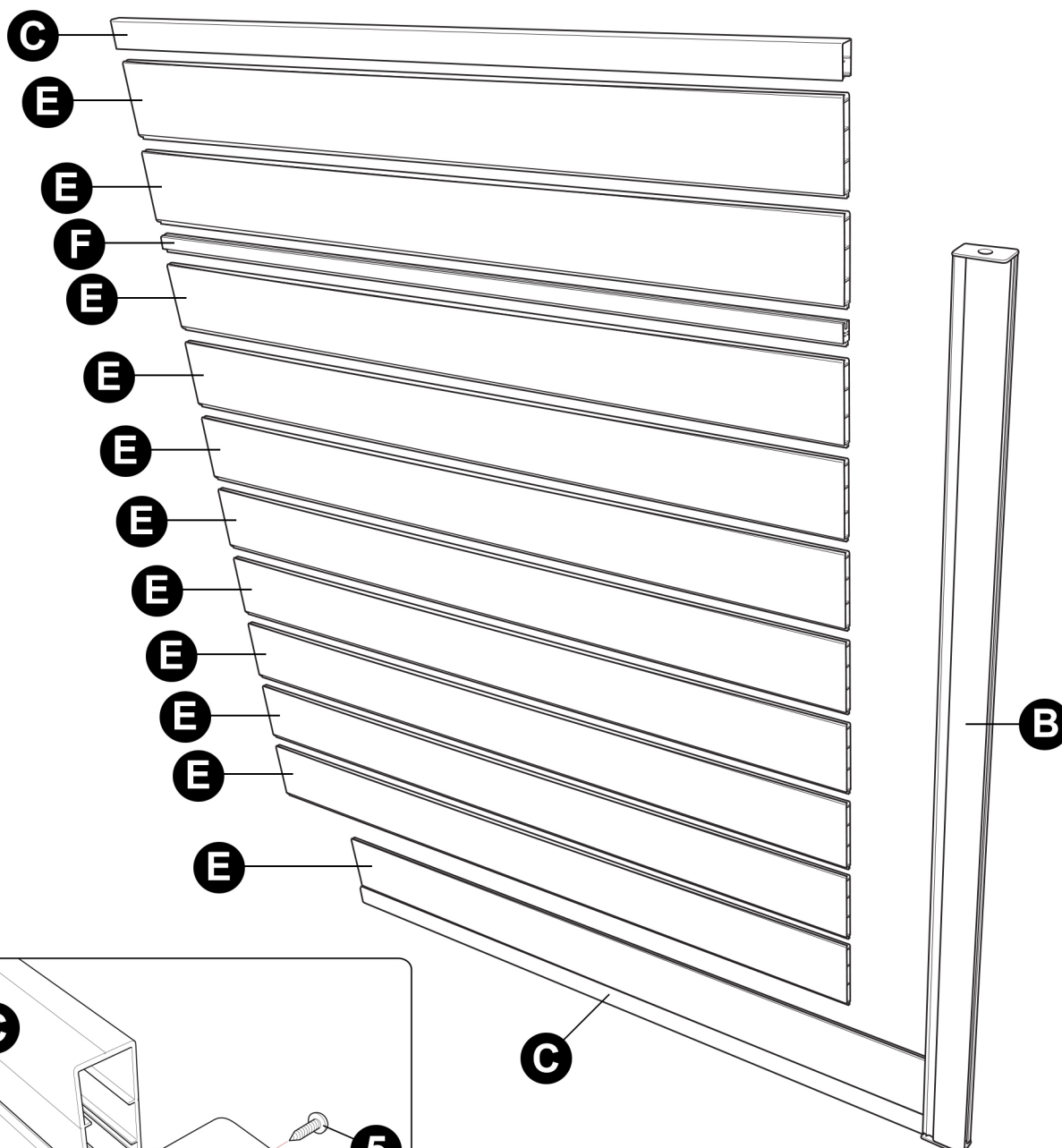
STEP FOUR - adding the first gate panel

Place the first gate panel [part E] within the groove in the upper edge of the base edge [part C] and slide along until it enters into the slot in the recently fitted panel insert within the upright [part B], then drive it home with a rubber mallet.

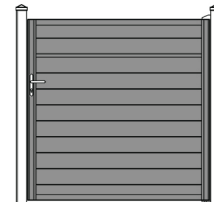


**STEP FIVE** - adding the rest of the gate panels

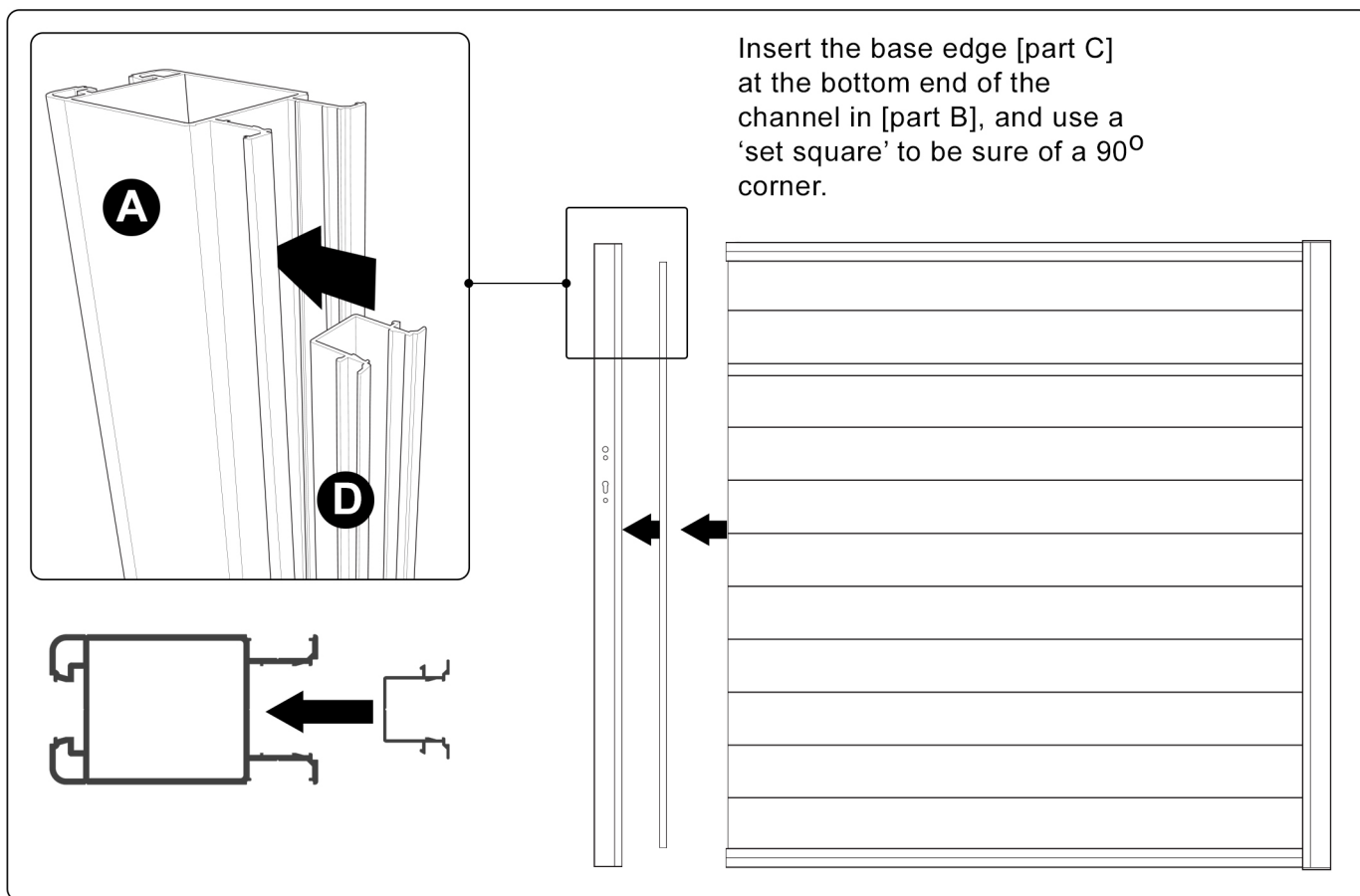
Using the same method as shown in step four, continue to introduce the rest of the panels, in the order shown here, until you get to the top edge [part C], when this is in position, secure as shown in the detailed image below.



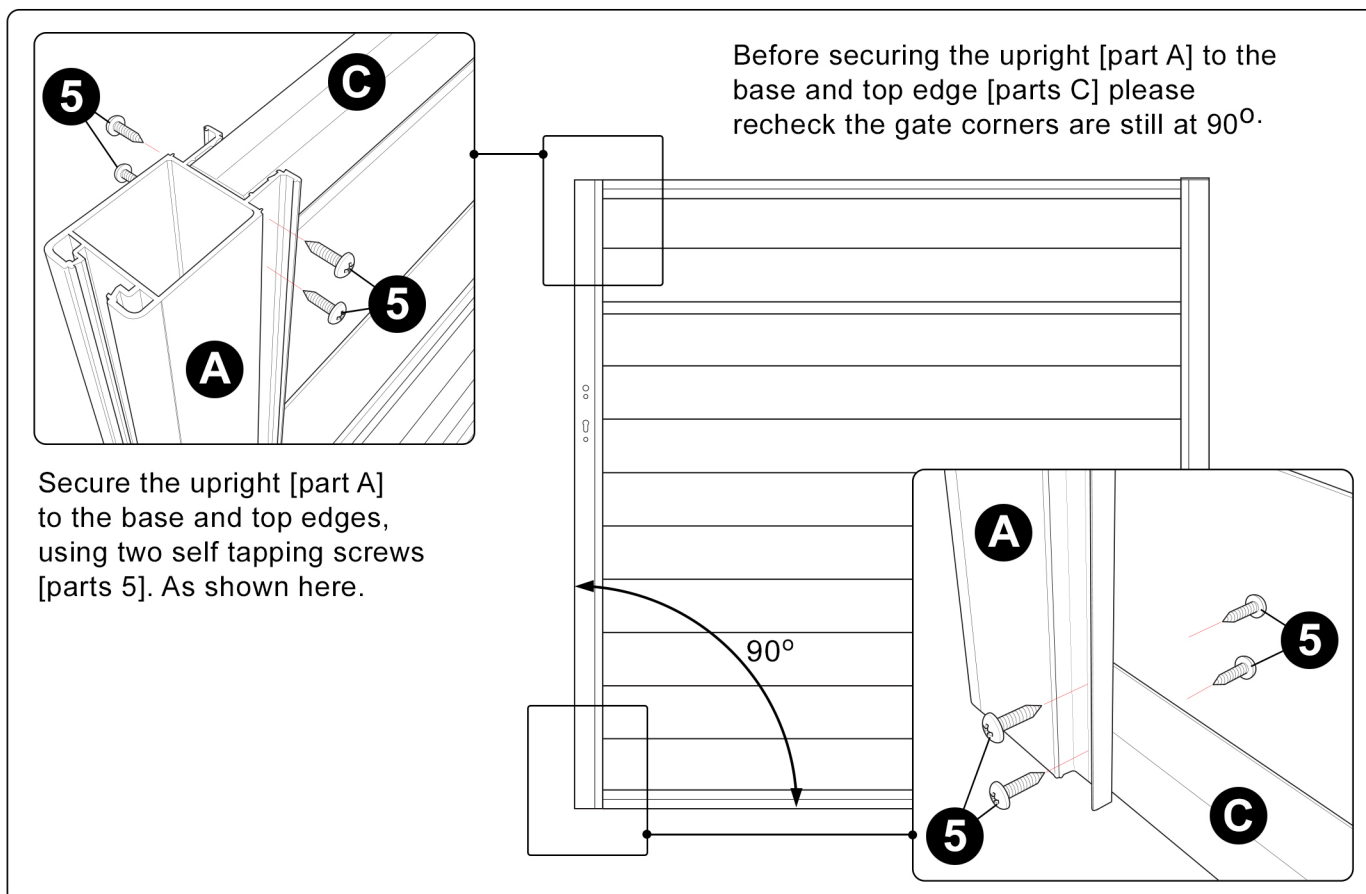
When the top edge [part C] is driven into its final position, secure it in place at the top of the hinge-side upright [part B] with four self-tapping screws [parts 5]. Using two from the front and two to the back, into the channel of the upright [part B].

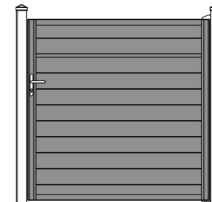


STEP SIX - preparing to fit A to the rest of the gate



STEP SEVEN - securing A to the rest of the gate



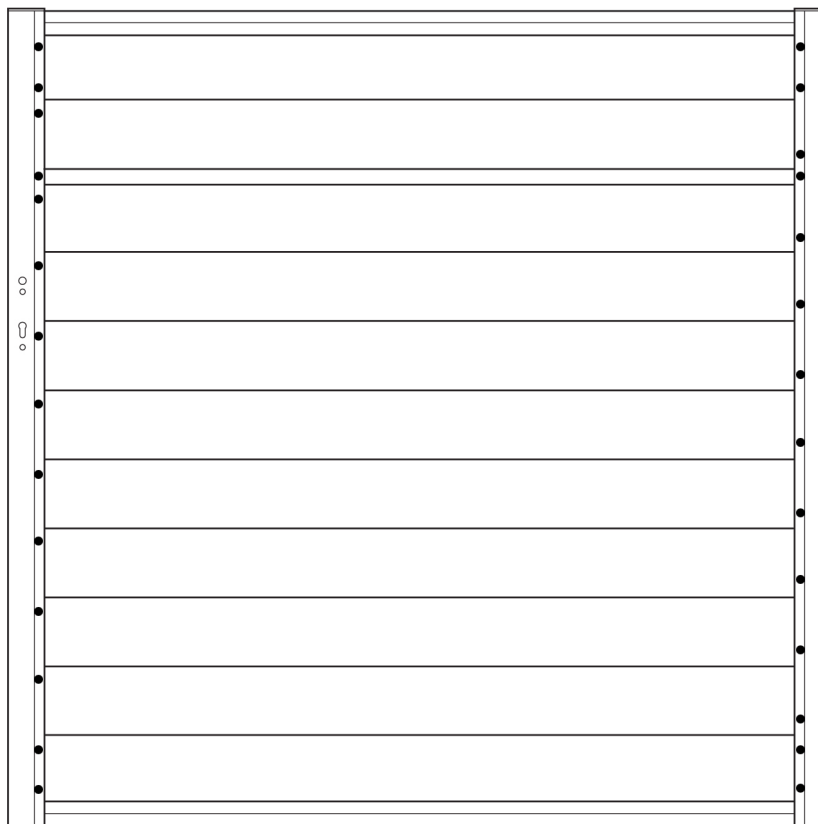


STEP EIGHT - securing every panel

Using the self-tapping screws [parts 5] secure each of the panels, from both sides, in the configuration show here.

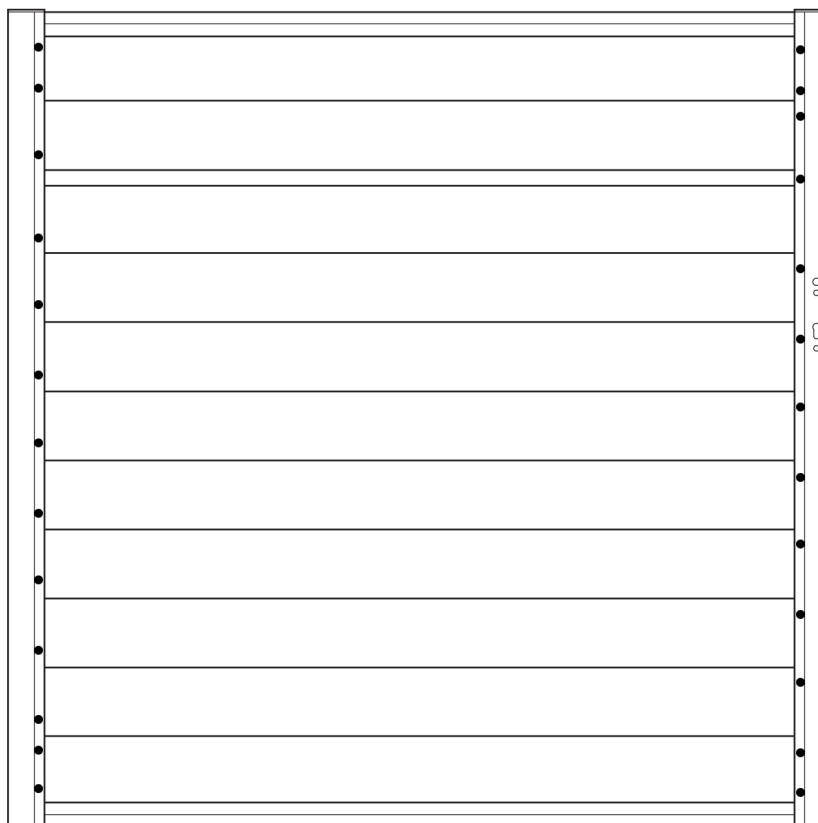
28 x **5**

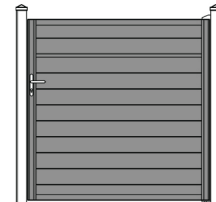
FRONT SIDE



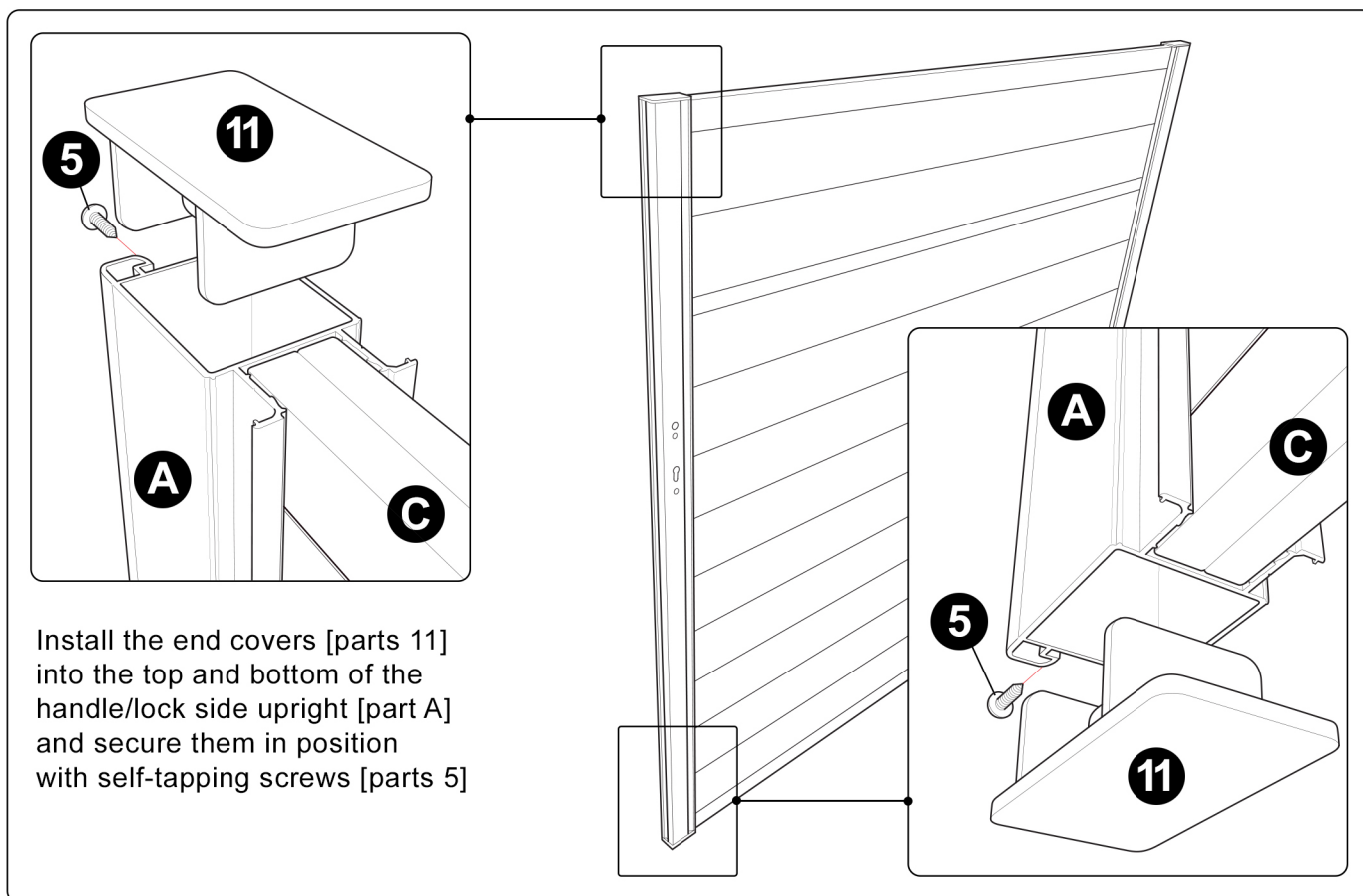
REAR SIDE

26 x **5**

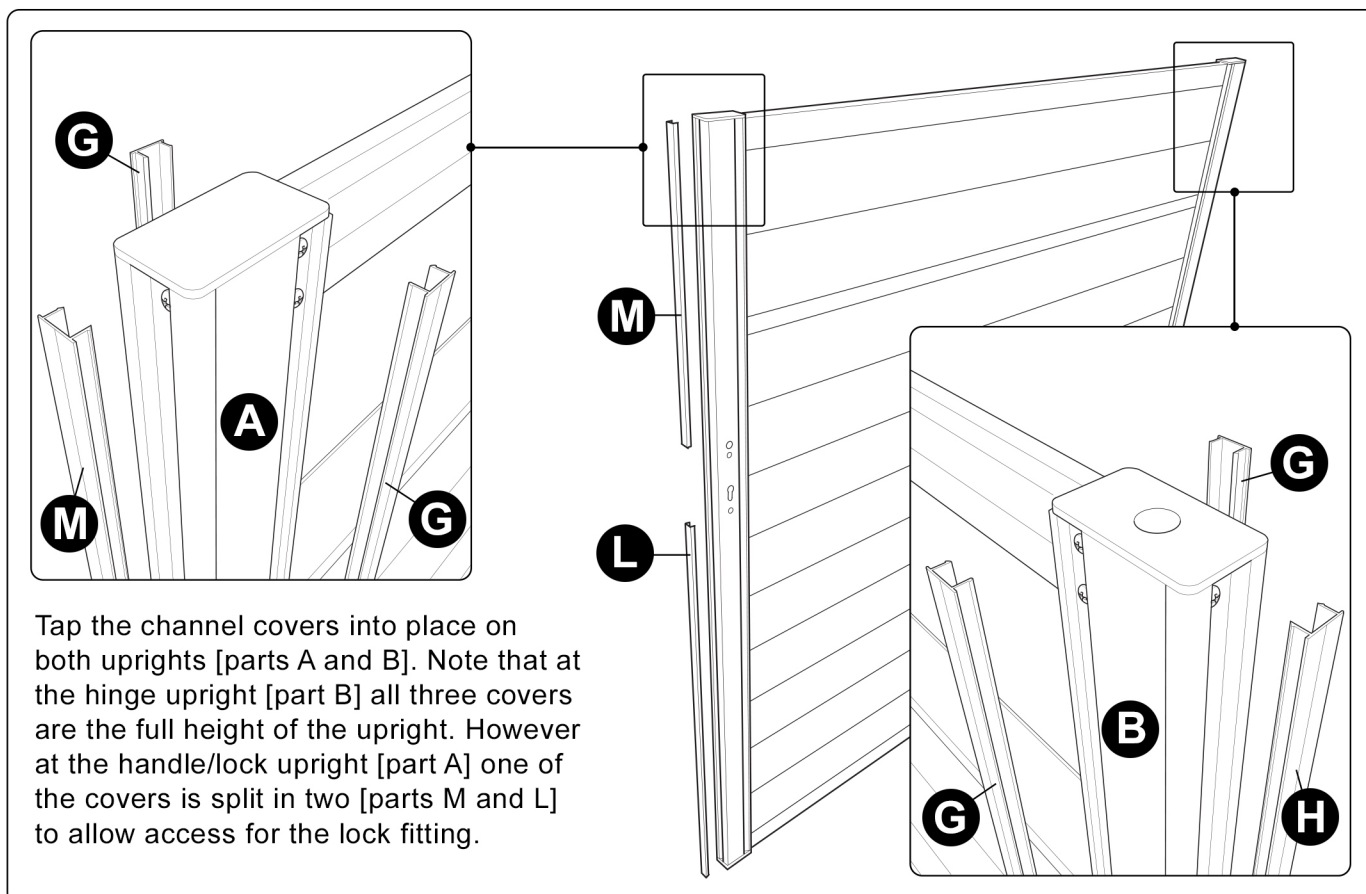


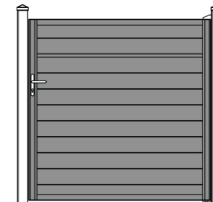


STEP NINE - fitting top and bottom upright covers to A



STEP TEN - fitting channel covers to A and B





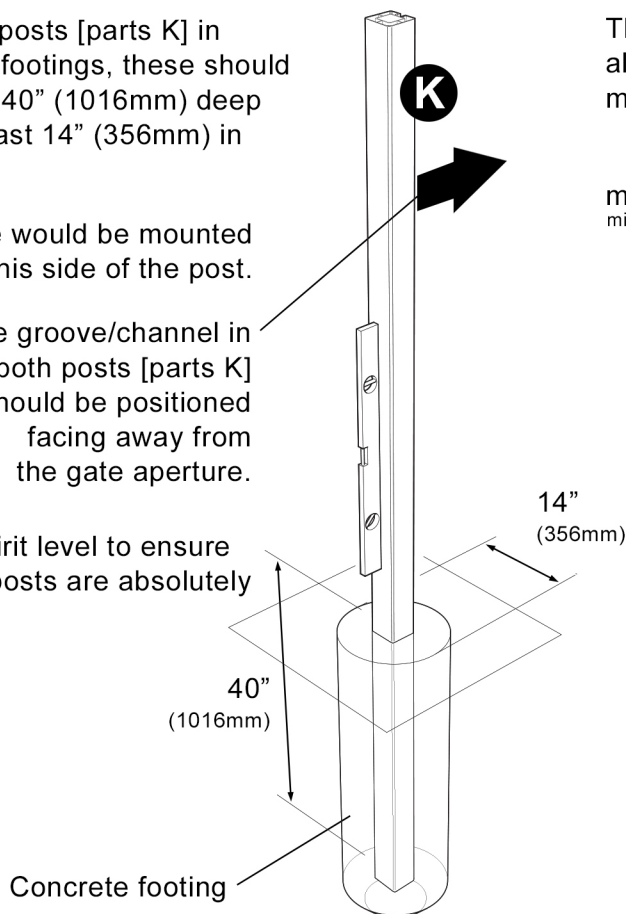
STEP ELEVEN - preparing the posts

Set both posts [parts K] in concrete footings, these should be made 40" (1016mm) deep and at least 14" (356mm) in diameter.

The gate would be mounted this side of the post.

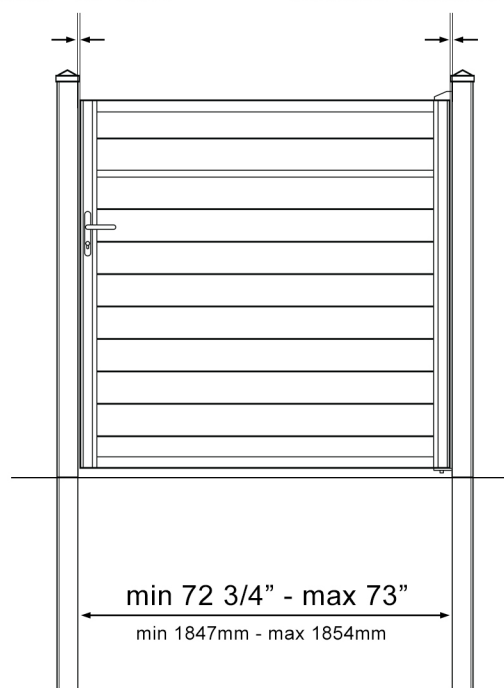
The groove/channel in both posts [parts K] should be positioned facing away from the gate aperture.

Use a spirit level to ensure that the posts are absolutely vertical.



These measurements show the tolerance allowed with adjustment. However, the minimum measurements are recommended.

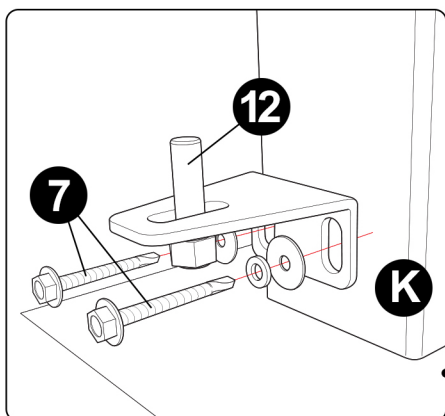
min 7/8" - max 15/16" min 1" - max 1 1/4"
min 21mm - max 23mm min 26mm - max 31mm



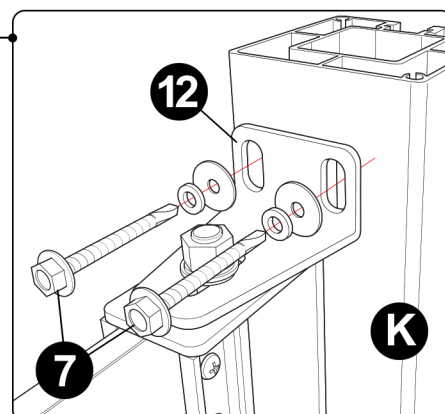
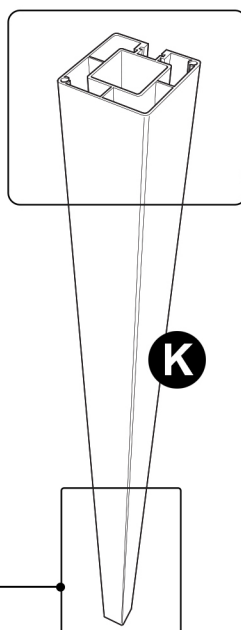
STEP TWELVE - hanging the gate

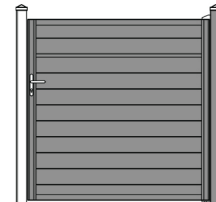
With the post [K] set, carefully screw the lower hinge bracket [part 12] into position on the upright hinge post [part K] using the self tapping screws and washers [parts 7].

Hang the gate on the hinge spigot, ready for the upper hinge.



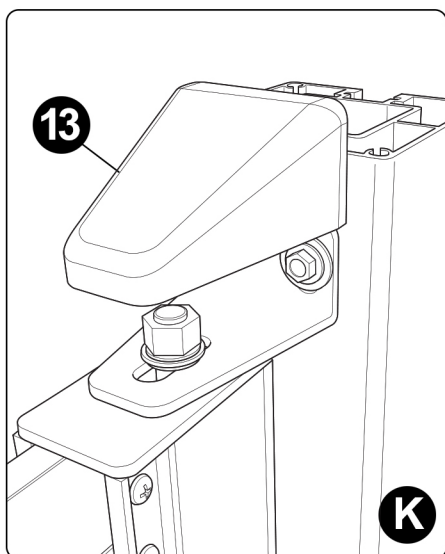
With the gate in place, offer the upper hinge bracket [part 12] into position with the spigot in the top of the gate upright. Secure the bracket to the post [K] using the other pair of self tapping screws and washers [parts 7].



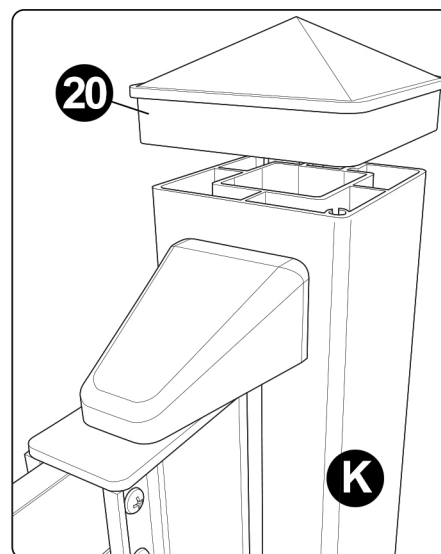


STEP THIRTEEN - fitting the hinge and post caps

When both the hinges [parts 12] are fitted and tightened, and the gate is able to swing freely, fit the top hinge cover [part 13] into place.



The post cap [part 20] can now be fitted.



STEP FOURTEEN - fitting the lock and handles

Install the lock assembly within the gate upright [part A] in the following order.

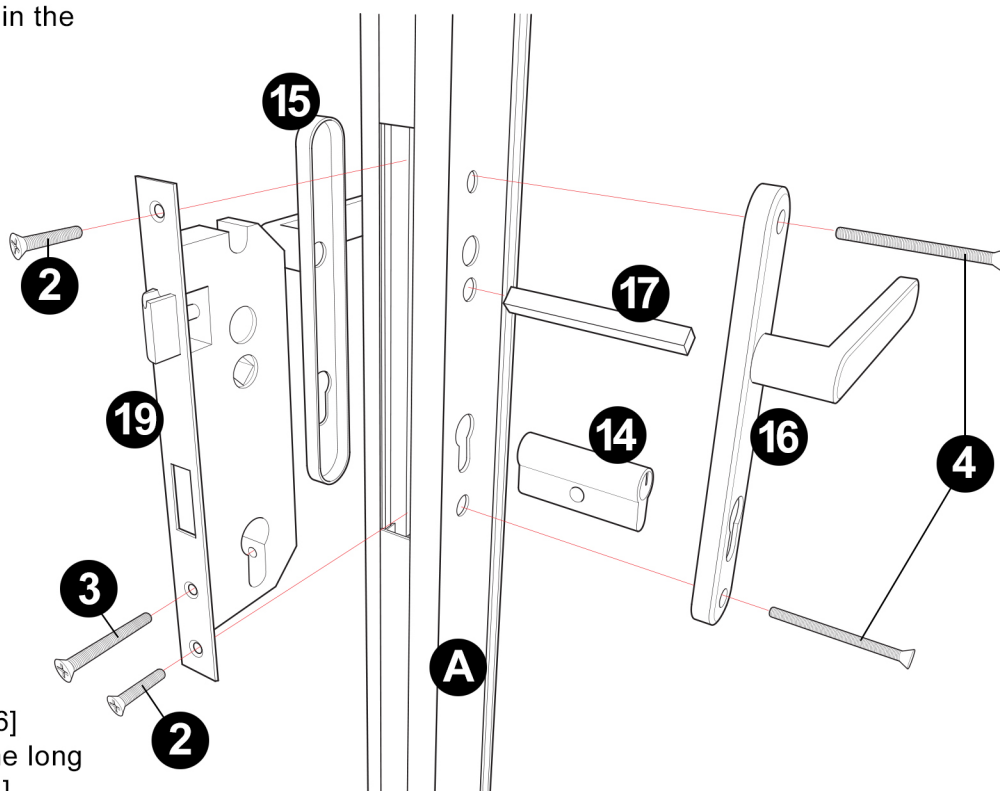
Slide the lock case [19] into the gate upright.

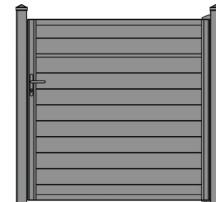
Secure it in position with the two machine screws [2]

Slide the lock hub [14] and spindle [17] into the upright to pass through the lock case in situ.

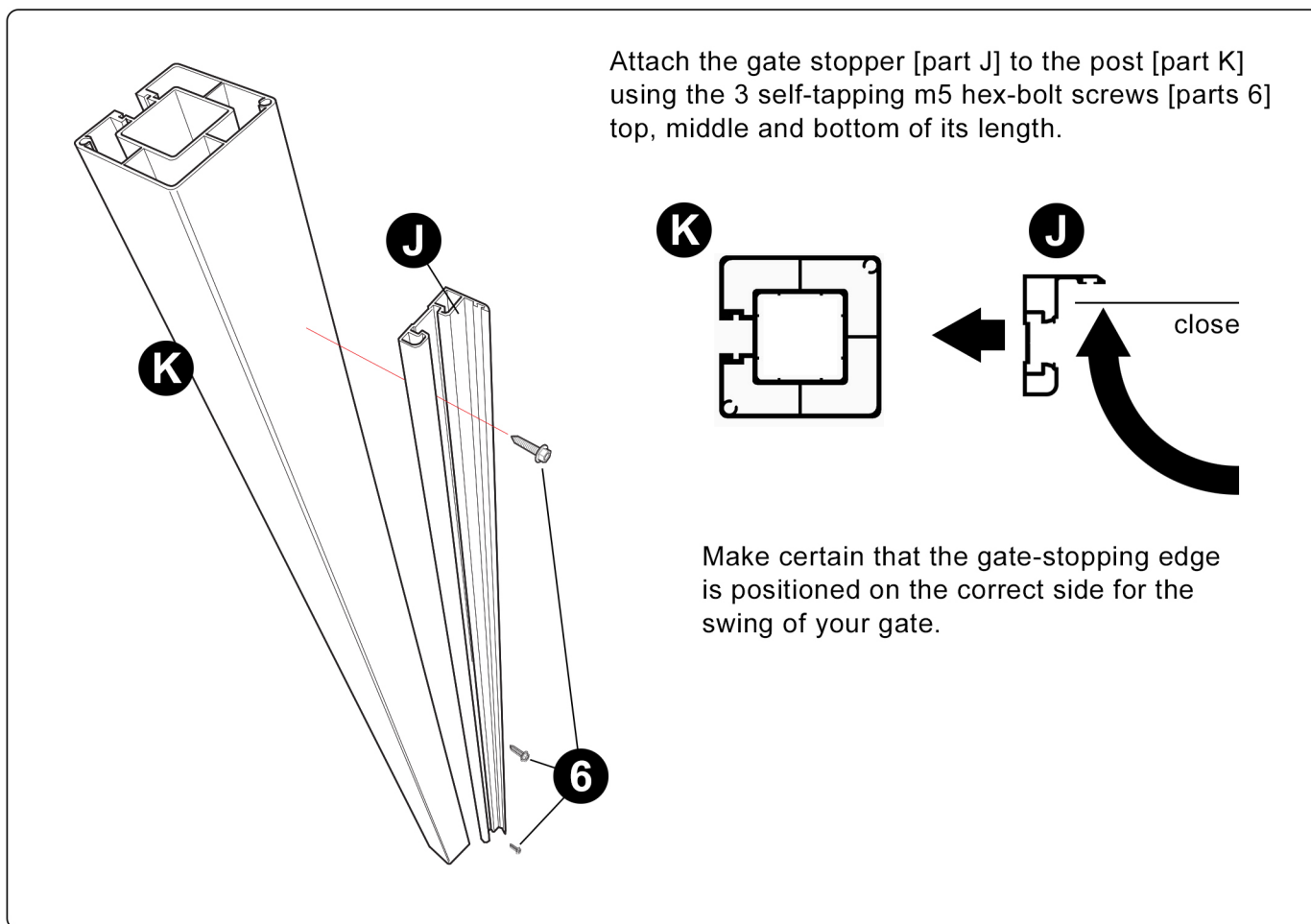
Fit machine screw [3] which will secure the lock hub.

Finally, mount both handles [parts 15 and 16] onto the upright using the long machine screws [parts 4]

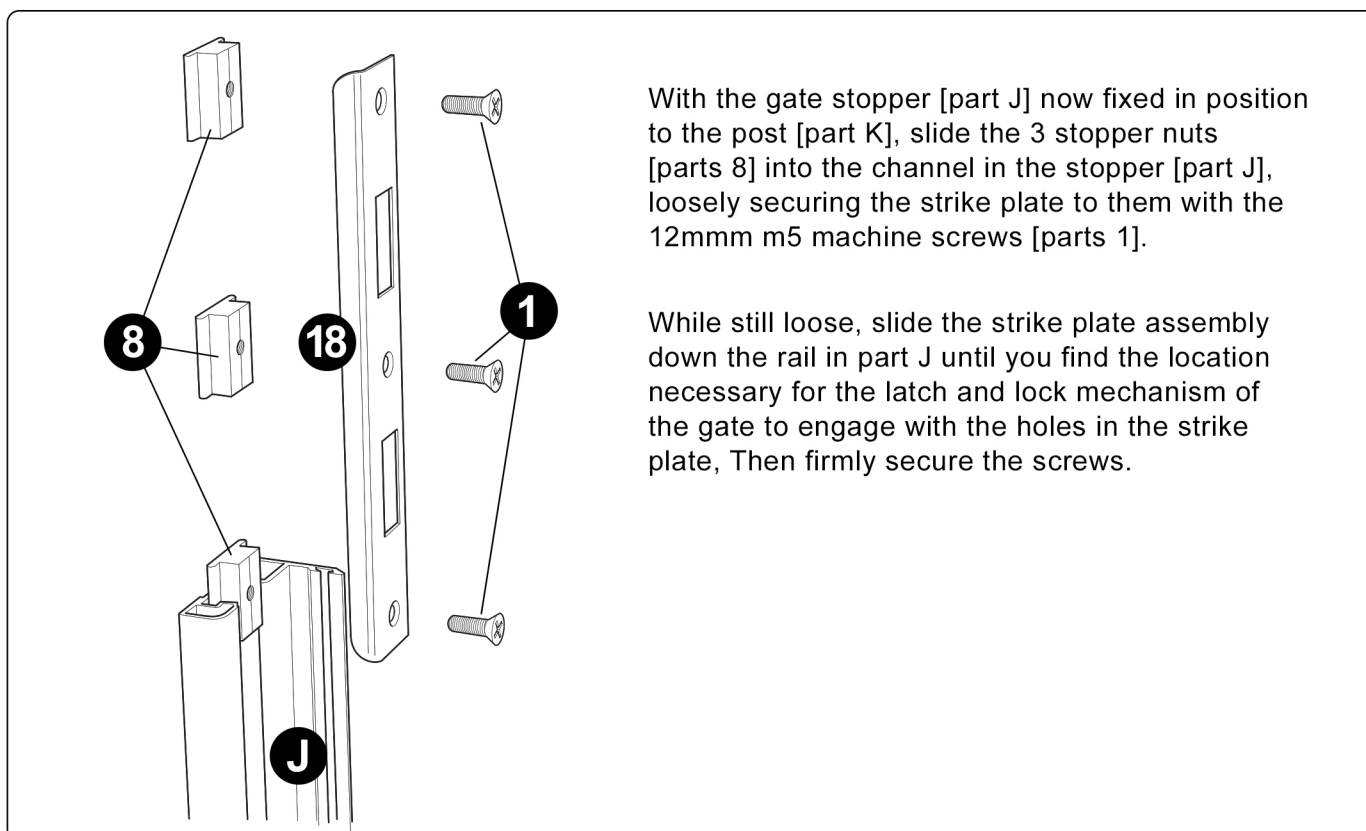




STEP FIFTEEN - installing the gate stopper



STEP SIXTEEN - fitting the strike plate





CUSTOM GATE SIZING - how to trim the gate

When cutting the gate to a custom width, the following steps should be taken;

- determine the size of the gate opening between posts, and allow a combined clearance (1 3/4" should be adequate) for the hinge and for the gate stopper on the handle/lock side).
- cut the horizontal frame pieces [parts C] to the required length.
- then cut all panels [parts E] and the panel inlay [part F] 1/16" (1.6mm) less than you cut [parts C].

please note: this is to allow for the wall thickness of [parts D] at either end.

