

INSTALLATION INSTRUCTIONS

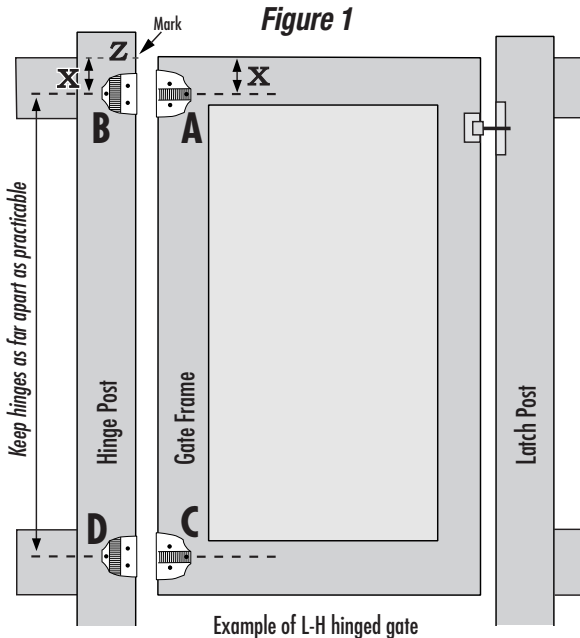
SUITS BOTH LEFT-HAND OR
RIGHT-HAND HINGED GATES



Some important points concerning the installation of MULTI-ADJUST HINGES:

- The larger brackets A & C are always to be located on the right-hand side.
(This ensures the tension adjustor is always facing up for easy adjustment).
- The hinges should be installed as far apart as is practicable for optimum performance.
- Minimum gap between hinge post and gate: $\frac{5}{8}$ " (16mm); Maximum gap: $1 \frac{3}{8}$ " (35mm).

Tools required: Electric drill/cordless drill (use low clutch settings), drill bits, Phillips No. 2 screwdriver (hand & power), large slot-head screwdriver and $\frac{7}{16}$ " wrench (preferably 6" long).



Example of L-H hinged gate

Step 1 – Install 4 MOUNTING BRACKETS

Note that each mounting bracket holds three stainless steel threaded studs. The middle (or 'outside') stud indicates the center of each bracket; use this stud as a means of centering and leveling Brackets A and B (and C & D), as indicated by the dashed lines (Figure 1).

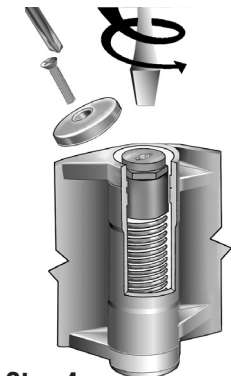
1. Determine the location of the gate in the mounted position. On the hinge post, mark the top of the gate, as shown at point 'Z'.
2. From this point, measure down the desired distance [X] for the location of Brackets A and B – and up the same distance from the bottom of the gate for Brackets D and C. (Note that the top of the smaller brackets B and D should never be installed closer than $1\frac{3}{16}$ " (30mm) from the top and bottom of the gate respectively.)
3. Using the 1"x10g self-drilling, wafer-head screws supplied, first (for a L-H hinged gate as shown in Figure 1) fix Brackets A and C to the gate frame, and then fix Brackets B and D to the hinging post. (For a R-H hinged gate fit B & D to the gate and A & C to the hinge post.) Each Bracket has six screw holes: four at the front and two in the side fixing leg. If a vinyl gate has aluminum reinforcing thicker than $\frac{1}{8}$ " (3mm), or steel of any thickness, the screws will require $\frac{5}{32}$ " (4mm) 'pilot' holes.

Step 2 – Install MAIN HINGE BODY

1. Take the hinge bodies and place them over the gate Brackets A and C. Use the dome nuts and washers supplied to secure the hinges finger tight.
2. Have the remaining dome nuts at hand. Take the gate (with hinges attached) and locate the hinges over the post Brackets B and D. Secure the dome nuts to temporarily fix the gate into position.

Step 3 – VERTICAL & HORIZONTAL ADJUSTMENT

1. Note that the slots on the right leaf are horizontal and on the left leaf they are vertical. The gate now needs to be lifted and aligned for correct operation. Lift gate so that the top of the gate is in line with point 'Z'. Firmly tighten the dome nuts on the left-hand leaf. **DO NOT OVERTIGHTEN THE DOME NUTS** – thus the suggestion of a 6" wrench.
2. The horizontal slots in the right-hand leaf provide an adjustment range of $\frac{3}{4}$ " (20mm). Use this range to adjust the hinge gap to the desired position. Fix this position by firmly securing all the remaining dome nuts using the 6" wrench. Minor alignment adjustments may be required from time to time.



Step 4

ADJUST TENSION

Remove end cap. Use large screwdriver to depress and turn spring-loaded adjustor counterclockwise. Hold desired tension and allow to rise back into retention sleeve. Replace cap.

MAINTENANCE & REQUIREMENTS:

- Always use two MULTI-ADJUST hinges on any one gate.
- Ensure the gate does not swing beyond 180°.
- Each hinge must have equal tension at all times.
- Remove all other types of hinges and self-closing devices.
- Do not lubricate or disassemble these hinges at any time.
- Never remove MULTI-ADJUST hinges from gate until spring tension is released.
- Do not physically alter hinge bodies by cutting, milling, machining or grinding any part.
- For safety, remove protruding bolts/screws after installation by cutting, grinding and/or filing.


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