ADJUST-A-GRATE®

A grate solution that covers the hole problem

NECESSARY TOOLS:

- Tape Measure
- 7/16" Wrench
- Pencil

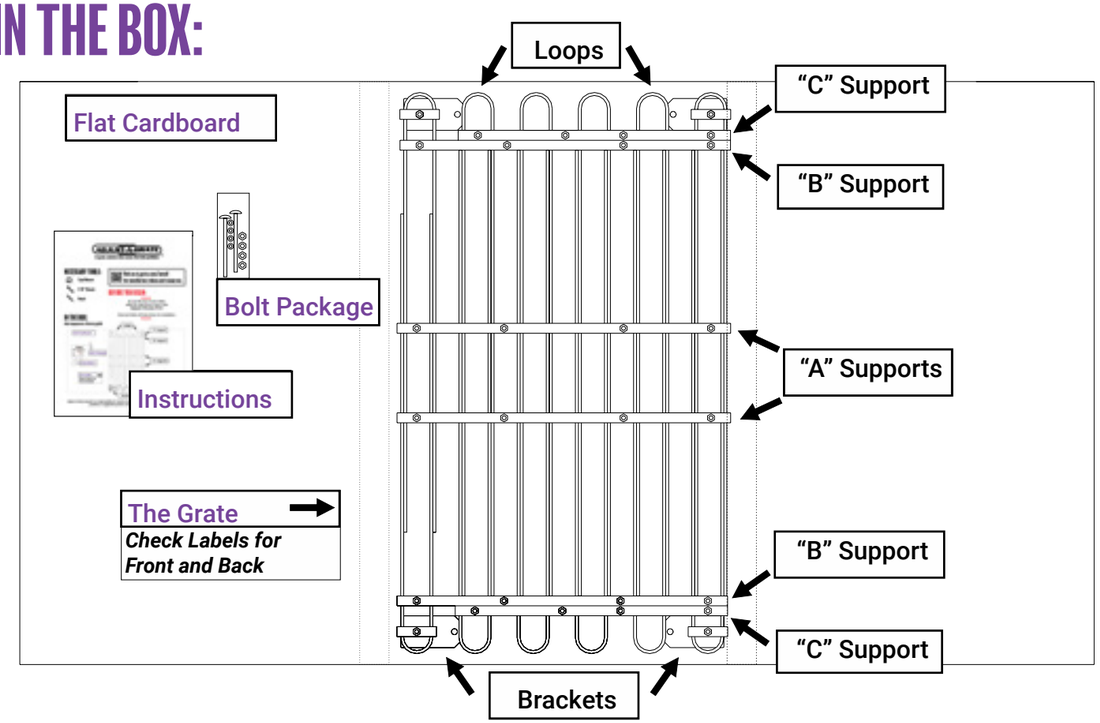
Visit us at grate.com/install for installation videos and resources.

BEFORE YOU BEGIN:

Be sure the size of your well is within the adjustment range of this **Adjust-A-Grate** Model.

Read and follow all instructions for installation.

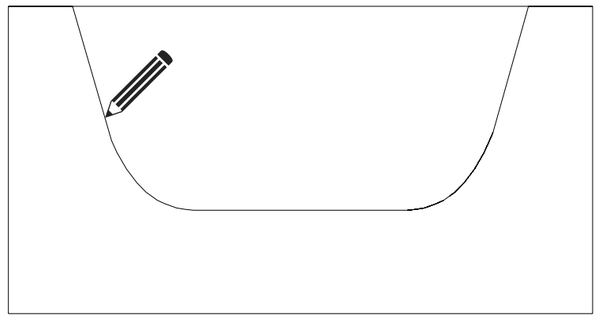
IN THE BOX:



Adjust-A-Grate assumes no responsibility for results of improper installation or abnormal use.
For questions, problems or suggestions please call Adjust-A-Grate at 303-278-6262.

STEP 1: *Create The Tracing*

Use the flat piece of cardboard supplied and lay it over your window well. Position the cardboard up to the house and have one person press it firmly against the top rim of well while another person in the well traces the inner contour on the underside of the cardboard.



We recommend a pencil so that it can easily fit between the cardboard and the lip of the well to give you an accurate representation of the edge of the well. Pens don't typically work upside down and thick markers cannot get close enough to the lip of the well to create a true representation of the well.

Important Note: If you have more than one grate to install, a separate tracing for each well is necessary due to irregularities in shape of well caused by installation and backfilling. Precast concrete wells may also require individual tracings, however you can make one tracing and then try the adjusted grate on another well to check for fit prior to making additional tracings.

Note For Small Wells: Create the tracing by using the heel of your hand or a rubber mallet to press along the lip of the well, creating an indentation of the well shape onto the underside of cardboard.

STEP 2: *Adjust The Grate On The Tracing*

Fig. 1

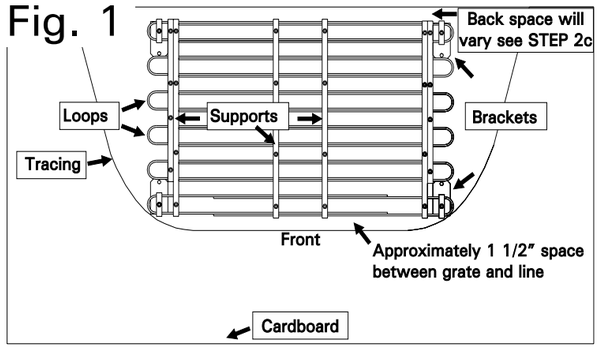
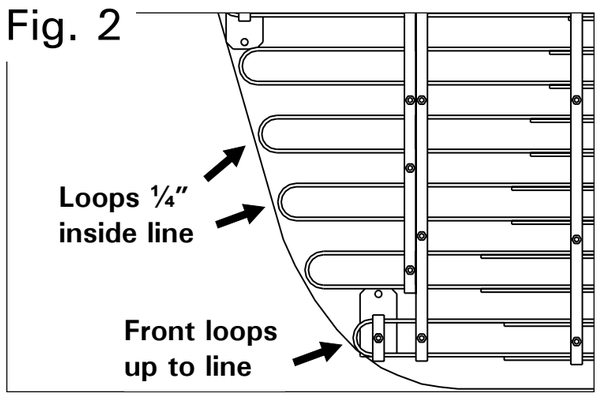


Fig. 2



A) Lay your cardboard tracing on a flat sturdy surface (not a soft or uneven surface like lawn or rocky areas) enabling you to properly tighten the grate later.

NEVER attempt to adjust the grate on the well itself.

B) Place the grate on the top of the tracing with the bottom side of the grate facing up (bolt heads down). Be sure the front of the grate, as marked, is facing front (curved side) of tracing.

C) Position the grate on the cardboard with a space between the front line of the well and the grate, approximately **1½** inches. This space is nearly equal to the spacing already present in the grate and will make it easier to adjust the front brackets in a later step. The space between the grate and the back edge of cardboard (representing the house) will vary, however, ensure there is a minimum of ⅛ inch here to insure the grate will fit into the well after adjustment. If you have a tight fitting grate, you may need to lessen the gap at the front of the grate slightly. (See Figure **1**)

D) Loosen all nuts about **1** full turn.

E) Slide the front set of loops even with the traced line, this prevents the grate from sliding forward in the well. Then, slide all remaining loops to...

Fig. 3

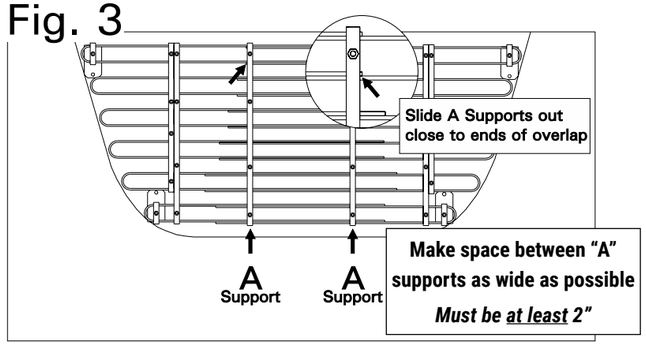
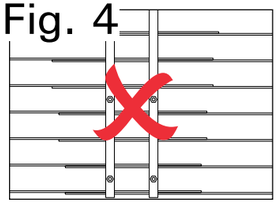
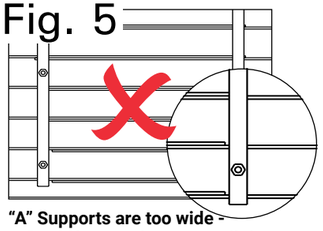


Fig. 4



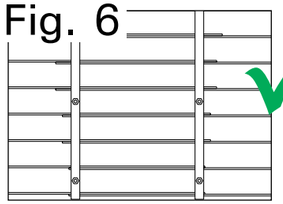
"A" Supports are too narrow - Need to take full advantage of the doubled area.

Fig. 5



"A" Supports are too wide - Some loop ends are not all the way through both "A" supports.

Fig. 6



"A" Supports are as wide as possible with the loop end completely through every slot of the "A" Supports & these supports are spaced more than two (2) inches apart.

Fig. 7

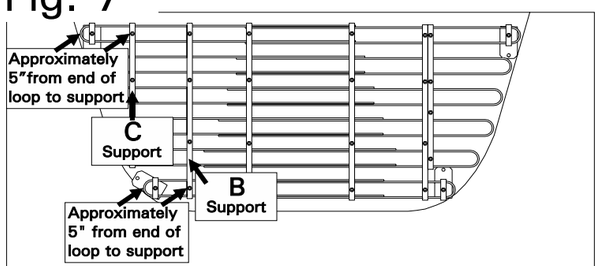
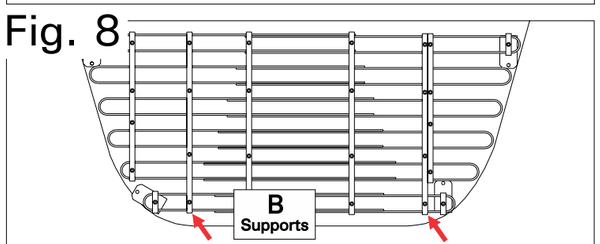


Fig. 8



When front of well is too narrow for grate to adjust then *both* "B" supports must be removed.

If any additional problems are encountered call Adjust-A-Grate

¼ inch inside traced line. If the loops are not sliding easily, check to see that all nuts are loose and supports remain perpendicular to prevent binding. (See Figure 2)

F) With the loops properly adjusted and positioned on your tracing, temporarily tighten the right-side "A" support (this locks the loop positions so they don't slide out of position while adjusting the other supports).

Note: When sliding supports in the following instructions it is necessary to move both ends at the same time (keeping the support perpendicular to the loops) to avoid binding.

G) Slide the left "A" support away from right "A" support as far as possible without going beyond the overlapped material.

Maximizing the overlapped area makes the grate as rigid as possible. The rear or front loops usually have the least amount of overlap and will dictate how far the "A" support can be moved out from each other. The "A" supports must fully encompass the overlapped area from front to back. (See Figures 3-6)

H) Tighten the bolts on left "A" support. Snug is best – do not over tighten.

I) Loosen the right "A" support and slide away from the left "A" support as far as possible, again not going past the overlapped material. Tighten the bolts on the right "A" Support.

Note: There should never be less than a two (2) inch space between the "A" supports. If this is the case, then do not use this Adjust-A-Grate, contact the manufacturer for options.

J) Slide the left "C" Support out to about five (5) inches from the end of the rear loop (or as close as possible, if obstructed by a loop towards the front) and tighten.

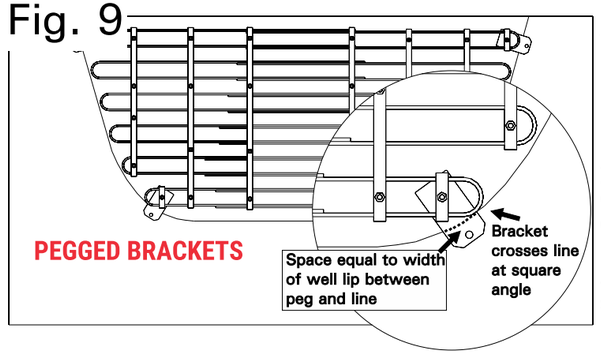
K) Then slide the left "B" support out to about five (5) inches from end of the front loop and tighten. (See Figure 7)

L) Repeat the positioning of the C & B Supports on the right side and tighten.

Important Note: ***The supports need to be in the position indicated (5" from end of loop) to ensure you get the most stability out of your grate. The "B" & "C" supports have specific jobs to support the loop attached to the bracket. They may not appear as evenly placed as the drawing depicts.***

M) Determine the type of bracket you will need and follow the corresponding directions below.

Fig. 9



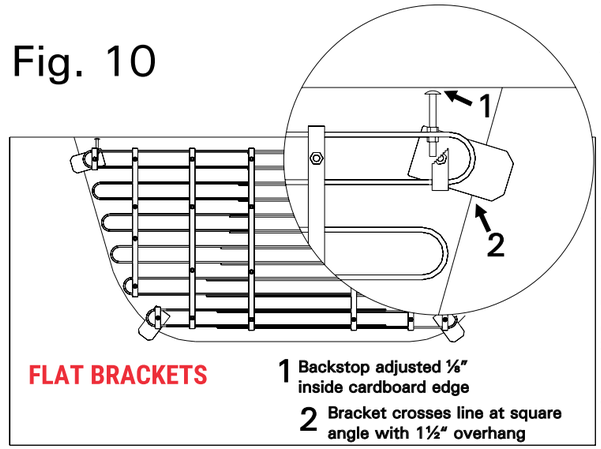
Pegged Brackets:

For metal window wells where the peg on the bracket can hook over the lip on your window well.

Make sure the grate is still positioned properly on your cardboard tracing. Pivot each pegged bracket out across the drawn line at a 90-degree angle (square).

A space equal to the width of the lip of the well should be left between the line and the peg of the bracket, then tighten the bolt. (See Figure 9)

Fig. 10



Flat Brackets:

For grates on a precast concrete, wood, or a well in a patio area that does not allow the peg on the bracket to hook over the edge of the well.

Remove the peg from each bracket using a ⅜ inch wrench.

Then properly reposition the grate back on the cardboard tracing. If the space between the back of grate and rear edge of the cardboard exceeds ¾ inch then adjustable backstops (supplied) need to be installed (if not, skip next paragraph and continue with instructions below).

To install the adjustable backstops, thread the nut partway up each of the two provided bolts with washer opposite to bolt head. Slide rear brackets out of way or partially remove to gain access to inside of loops. Then, insert the bolts with the bolt head facing away from the grate through holes in back loops and add nuts to bolt on the inside of the loops, keep the washers on both nuts against the flat metal loop. The end of the backstop (bolt head) should be adjust out to about ⅛ inch inside back edge of cardboard, tighten into position. (See Figure 10)

Pivot out each flat bracket out across the drawn line at a 90-degree (square) angle and extend the bracket as far across the line out to the edge as it will go, about 1¾ inches then tighten the bolt. The holes left in brackets by removal of pegs may be filled by inserting poly plugs in the bolt package from top of grate once the Adjust-A-Grate is installed.

STEP 3: *Position The Grate On The Opening*

A) Check that all nuts have been tightened. Then, place Adjust-A-Grate on well with bolt heads facing up (nuts facing down), and check for proper fit before standing on grate.

B) If optional Window Well Escape Ladder is to be installed, remove the grate and place the ladder in the well. Additionally, if the optional Quick Release Security Kit is to be used, then remove grate from the well and attach the cable (see Security Kit Instructions). For more information on these optional products, visit grate.com.

Adjust-A-Grate assumes no responsibility for results of improper installation or abnormal use.
For questions, problems or suggestions please call Adjust-A-Grate at 303-278-6262.