

ADJUSTING INSTRUCTIONS

BE SURE THE SIZE OF YOUR WELL IS WITHIN THE ADJUSTMENT RANGE OF THIS GRATE

TOOLS REQUIRED:
 tape measure
 7/16 wrench
 pencil

1. A template can be made by having a person with a pencil stand inside window well while another holds cardboard (supplied) completely over the well. Slide cardboard up to house and press it firmly against top rim of well while person in well traces inner contour on underside of cardboard. If more than one well is to be covered then a separate tracing for each is necessary due to irregularities in shape of well caused by installation and backfilling. Precast concrete wells also require individual templates.

2. Lay cardboard template on flat surface, place grate on top with bottom side facing up (nuts are on bottom side). Be sure front of grate, as marked is facing front (curved side) of tracing (SEE FIG. 1).

3. Maintain a space between grate and front of tracing approximately equal to spaces within grate. Space between grate and back edge of cardboard will vary. Grate should remain parallel with back edge of cardboard with no less than 1/8" space to insure grate will fit into well after adjustment (SEE FIG. 1). If back space exceeds 4" then expansion kit or larger grate is needed, check size chart on box top.

4. Loosen all nuts about 1 1/2 turns. Slide front set of loops out even with traced line. Slide all remaining loops out to 1/4" inside traced line. If loops will not slide easily then check to see that all bolts are loose and that supports remain straight to keep them from binding on loops (SEE FIG. 2).

5. With grate properly adjusted and positioned in pattern, temporarily tighten right side A support (this will lock position of loops). Slide left A support away from right A support as far as possible WITHOUT GOING PAST EDGE of overlap (rear loops usually have least amount of overlap). When sliding supports it is necessary to move both ends at same time (holding support perpendicular to loops) to avoid binding on loops. Now tighten bolts on left A support (SNUG IS BEST - DO NOT OVER TIGHTEN). Loosen right A support and slide away from left A support in same manner, then tighten (SEE FIG. 2). The overlap area between the supports maximizes the grate's rigidity. There should never be less than 2" space between the A supports. If this is the case then DO NOT USE THE GRATE, contact your dealer for options.

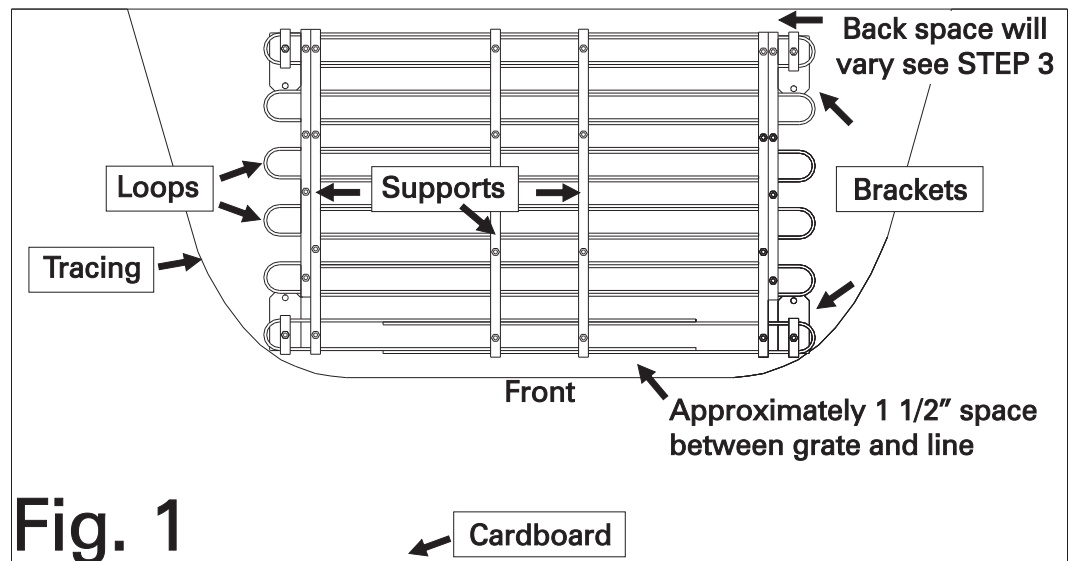


Fig. 1

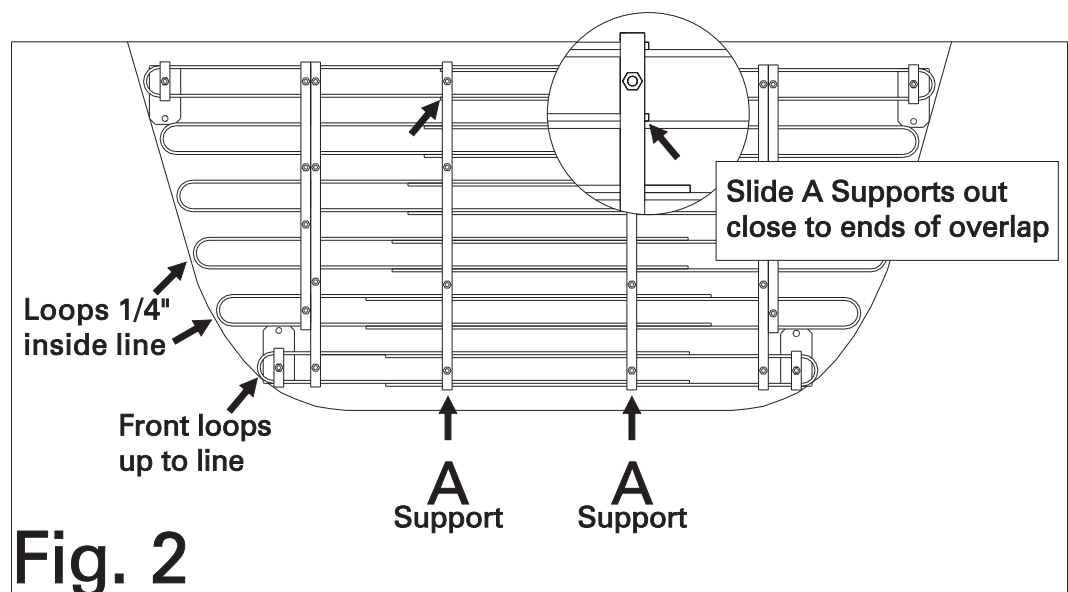


Fig. 2

6. Slide the left C support out to about 5" from the end of the rear loop (or as close as possible if obstructed by loop toward front) and tighten. Now slide the left B support out to about 5" from end of front loop and tighten (SEE FIG. 3). Repeat this step on right side B&C supports.

7. Grates are shipped with pegged brackets for metal window wells. If lip on window well has room for peg to hang over edge then go to step 8. If grate is to be used on a precast concrete, wood or a well in a patio area then flat brackets will be required, go to step 9.

8. PEGGED BRACKETS: Make sure grate is still positioned properly in template. Extend each pegged bracket out across line at 90 degrees (square) angle. A space equal to the width of the lip of the well should be left between the line and the peg on the bracket, then tighten bolt (SEE FIG. 4).

9. FLAT BRACKETS If grate is to be used on a precast concrete, wood or a well in a patio area then remove all pegs with a Phillips screwdriver. Reposition grate in template, if space between back of grate and rear edge of cardboard exceeds 3/4" then adjustable backstops (supplied) need to be installed (if not proceed to 9A). Run nuts partway up each backstop bolt, insert bolts thru holes in back loops, install nuts on inside of loops. Rear brackets should be slid out of way or partially removed to gain access to inside of loops. End of backstop (bolt head) should be adjusted out to about 1/8" inside back edge of cardboard (SEE FIG. 5).

9A. Extend each flat bracket out across line at 90 degree (square) angle about 1 1/2" (as far as it goes) then tighten bolt (SEE FIG. 5). Holes left in brackets by removal of pegs may be filled by tapping aluminum plugs (supplied) in from top of grate after grate is installed.

10. Check that all nuts have been tightened. If optional GRATE ESCAPE security kit is to be used then cable may be attached now (see GRATE ESCAPE instructions).

11. Place grate on well and check for proper fit before standing on grate. 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.

