



Service Bulletin

SG1400C3 ~ SG1800C3 Control Panel Door Installation

Product Group: Power Solutions	Date Issued: 10/03/12	Service Bulletin No. GSP20121003
Bulletin Type ☒ Mandatory ☐ Information Only ☐ Recommended Change		Models/Series Affected: SG1400C3 ~ SG1800C3 S/N MX170654 ~ WA578213

Details
Problem: Controller is overheating due to contact with direct sunlight and inadequate air flow ventilation.
Solution: Install a new control panel door with half window and side air vents.

Parts Information

An exploded view diagram of a door kit assembly. The main component is a rectangular door panel (1) with a handle. To its left are five aluminum rivets (2) and five washers (3). Below the door panel is a metal template (4) with a series of holes. To the right of the template are a screw (5) and a nyloc nut (6). The entire assembly is shown within a dashed rectangular box.

Figure 1. Door Kit

Item No.	Part No.	Description	QTY.	Remarks
1	EE56368	Control Panel Door	1	
2	N/A	Alum. Rivet 3/16"	5	
3	N/A	Washer, 10-32	5	
4	N/A	Metal Template	1	
5	N/A	Screw 10-32 X-1/2"	5	
6	N/A	Nyloc nut 10-32	5	

PROCEDURE

Control Panel Door Removal

1. Grasping the door latch, turn the handle and open the door.
2. Next, lift the door support rod (Figure 2) from its holder and continue to open the door all the way to the maximum vertical position.
3. Secure the door in a manner so that it will stay in the vertical position. This position allows for easy access to the pop rivets.
4. Using a 3/16-inch drill bit, remove (drill-out) the 5 existing rivets from the piano hinge as shown in Figure 2
5. Remove door from frame and discard.

NOTICE

DO NOT remove rivets attached to the door jamb.

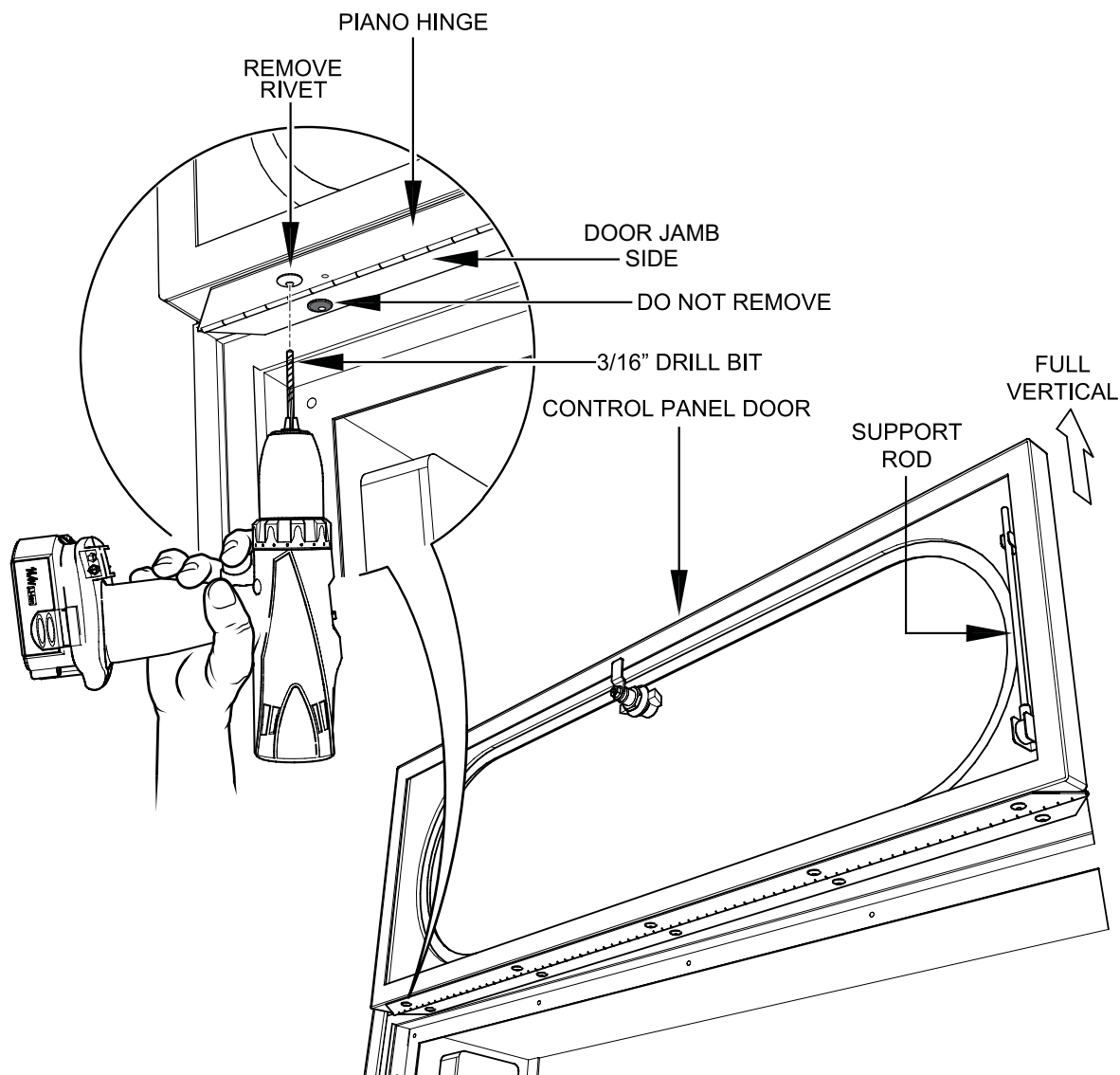


Figure 2. Door Removal

Air Ventilation Holes

NOTICE

Some units may require the drilling of air ventilation holes on the channels next to the control panel. Visually inspect your unit to see if the air ventilation holes are present.

If the air ventilation holes are present on the left and right side channels as shown in Figure 3, then skip the air ventilation holes/drilling sections and proceed to the **control panel door installation procedure**.

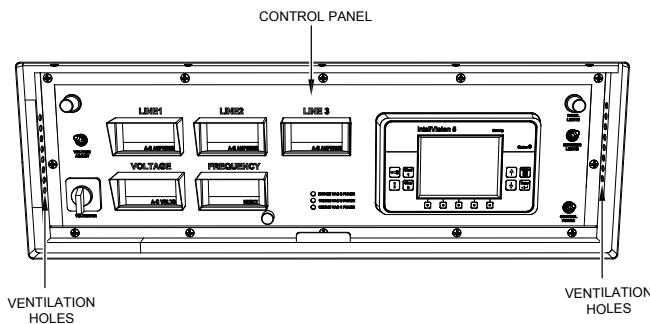


Figure 3. Air Ventilation Holes

1. Remove the 7 retaining screws (Figure 4) that secure the control panel to frame.

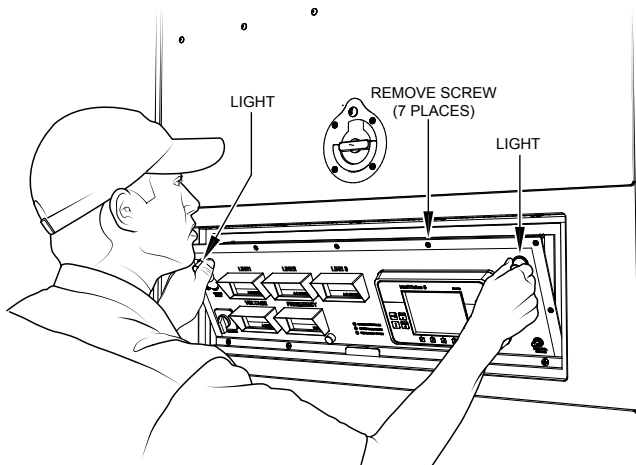


Figure 4. Positioning Control Panel

2. Gently grasp the lights (Figure 4) on each side of the control panel, pull down slightly, and let the control panel unfold.
3. Place protective covering (Figure 6) over the control panel's exposed electronic components. This will protect the components from drill shavings.

Air Ventilation Holes Drilling

1. Using the supplied template, place the template flush with top of door opening, against the side channel and mark the holes with a felt tip marker or scribe as shown in Figure 5.

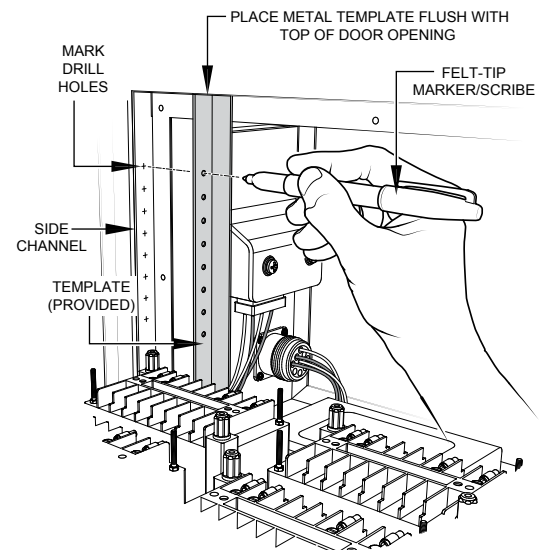


Figure 5. Air Ventilation Hole Markings

2. Repeat this marking procedure for the channel on the opposite side.
3. Once all the holes have been marked using the template, drilling can begin.
4. Using a step drill bit, drill eight, 3/8-inch diameter holes as shown in Figure 6.

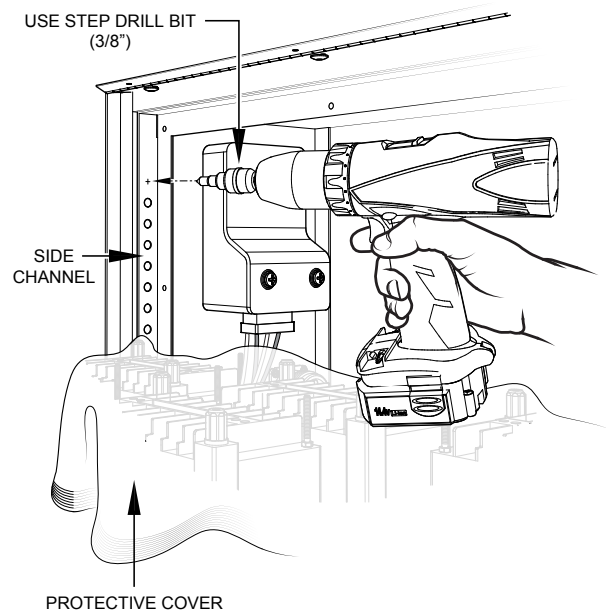


Figure 6. Drilling Ventilation Holes

5. Again, repeat this drilling procedure for the channel on the opposite side.
6. Deburr any sharp hole edges.
7. Remove the protective cover from the electronic components.
8. If necessary vacuum the exposed electronic components area and remove any shavings that may have accumulated from drilling.
9. Lift control panel back into the frame. Secure with retaining screws (7).

Control Panel Door Installation

NOTICE

If a rivet tool is not available attach the door to the piano hinge using the supplied 10-32 X 1/2" screws and 10-32 nyloc nuts.

1. Install the new control panel door onto the existing piano hinge as shown in Figure 7 using the supplied pop rivets (5) and washers (5).

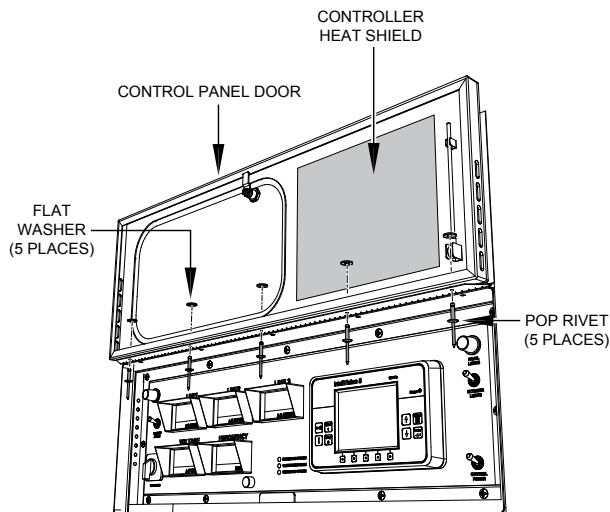


Figure 7. New Door Installation

2. Close door.

Insulation Cutting

To provide adequate air flow (ventilation) to the controller some of the existing insulation needs to be cut and removed.

Follow the procedure below when cutting the insulation.

1. Open the cabinet door and locate the control box as shown in Figure 8.
2. Using a sharp utility knife cut the insulation as shown in Figure 8 to expose the channel ventilation holes.
3. Again, repeat insulation cutting procedure for the channel on the opposite side.
4. Close cabinet doors.

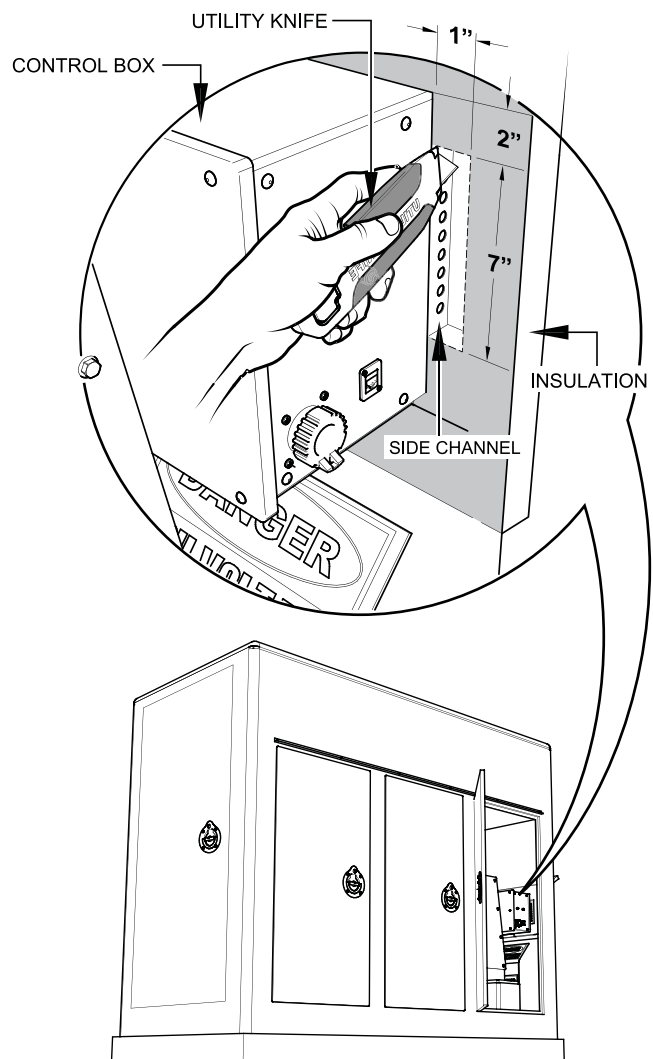


Figure 8. Insulation Cutting

Warranty Information
Campaign Reference No. 20121003
Please contact Chris Fairchild or Wendy Sanchez @ 1-800-421-1244 for warranty claim number and warranty form.
Labor Allowance: Flat Rate to install – 1.0 Hour.



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HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

Multiquip Corporate Office

18910 Wilmington Ave. Tel. (800) 421-1244
Carson, CA 90746 Fax (310) 537-3927
Contact: mq@multiquip.com

Service Department

800-421-1244 Fax: 310-537-4259
310-537-3700

Technical Assistance

800-478-1244 Fax: 310-943-2238

MQ Parts Department

800-427-1244 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Warranty Department

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310-537-3700

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