

Magelis XBT ZG45/ZG45B  
Backlight Replacement Kit  
Quick Reference Guide

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Thank you for purchasing the XBT ZG45/ZG45B replacement backlight.

Be sure to read the following Backlight Replacement Instruction bulletin prior to replacing your XBT GT's backlight.

 **DANGER**

**ELECTRIC SHOCK HAZARD**

- Do not disassemble XBT GT except to replace backlight.
- Disconnect all power before servicing backlight.

**Failure to follow these instructions will result in death, serious injury, or equipment damage.**

 **DANGER**

**ELECTRIC SHOCK OR FIRE HAZARD**

- When replacing the backlight cover or the XBT GT cover, do not pinch or cut any wires with the backlight cover or the XBT GT cover during reassembly.
- If any of the attachment screws become misplaced, check to be sure that they have not fallen inside the XBT GT. If a screw has fallen inside the XBT GT, do not connect the unit's power cord until it has been removed.

**Failure to follow these instructions will result in death, serious injury, or equipment damage.**

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## **WARNING**

### **HOT AND FRAGILE EQUIPMENT**

- When the XBT GT's power cord has just been disconnected, the backlight area is still very hot! We recommend waiting until the unit has cooled off (about 10 minutes).
- The backlight is very fragile. Do not touch the glass tube directly or try to remove its power cord. If the glass tube breaks you may be injured.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

#### **Important:**

- Do not allow water, oil or fingerprints to remain on the tube, since they can all reduce the backlight's life.
- Be careful that no dust or dirt adheres to the backlight surface or the backlight holder.
- Disconnect any equipment attached to the XBT GT.
- Be sure to perform the backlight replacement on a flat, level surface with the XBT GT display protected and facing down.
- After changing the backlight, be sure to check that your XBT GT display operates correctly. If a problem occurs, contact your local Schneider Electric distributor.

#### **Items Required When Changing The XBT GT's Backlight:**

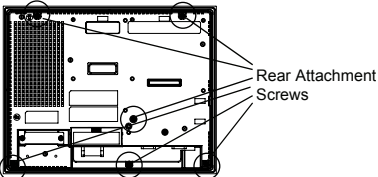
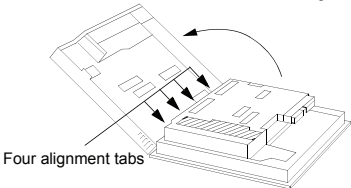
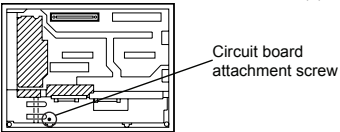
- Phillips screwdriver (no. 2) for XBT GT's rear cover attachment screws.
- Phillips screwdriver (no. 0) for backlight unit's metal cover.

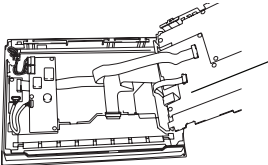
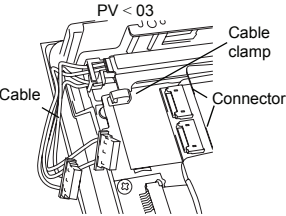
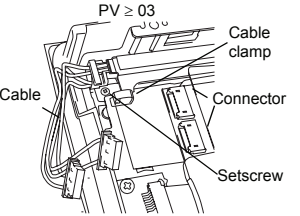
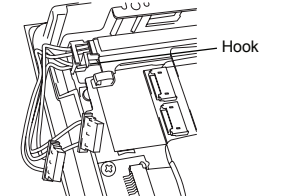
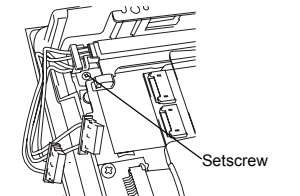
**Note:** Use proper Electro-Static Discharge (ESD) procedures when servicing the XBT GT.

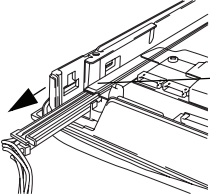
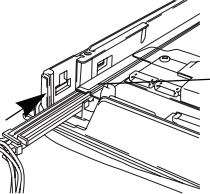
## Backlight XBT ZG45/ZG45B Replacement for XBT GT5330/5340

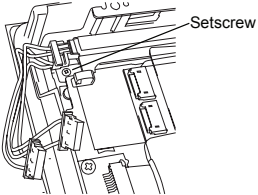
XBT GT5330/5340 Product Version (PV)	Backlight Model number
PV < 03	XBT ZG45
PV ≥ 03	XBT ZG45B

Use the following steps to change the backlight:

Step	Description
1	<p>Turn the XBT GT's power OFF (i.e. disconnect the XBT GT's power cord). Remove the case's six (6) rear attachment screws.</p>  <p><b>Note:</b> Since the attachment screws are small, be sure not to lose them or allow them to fall inside the XBT GT's case.</p>
2	<p>The cover is fastened at the bottom, and hinges open.</p>  <p><b>Note:</b> Be sure not to break the rear cover's four (4) alignment tabs when you open it.</p>
3	<p>Loosen the circuit board attachment screw (1).</p> 

Step	Description	
4	<p>The circuit board chassis is attached on one side, and hinges open.</p>  <p><b>Important:</b> A hot circuit board chassis can burn you. Be sure the chassis has cooled completely prior to replacing the backlights.</p>	
5	<p>Disconnect the backlight unit's cable from the connector on the inverter board, and then remove the cable from the cable clamp.</p> <p><b>Note :</b> The cable clamp prevents the cable from being caught and damaged inside the XBT GT unit. Make sure you insert the cable in the cable clamp before replacing the rear cover.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="130 694 518 1010">  <p>PV &lt; 03</p> </div> <div data-bbox="518 694 924 1010">  <p>PV ≥ 03</p> </div> </div>	
6	<p>Remove the hook from the backlight unit.</p> 	<p>Remove the setscrew from the backlight unit.</p> 

Step	Description
7	<p data-bbox="140 243 658 266">Remove the backlight unit by sliding it along the groove.</p>  <p data-bbox="433 366 557 389">Backlight unit</p> <p data-bbox="140 535 244 559"><b>Important:</b></p> <ul data-bbox="140 560 897 656" style="list-style-type: none"><li data-bbox="140 560 897 606">• Be careful that no dust or dirt adheres to the backlight surface or to the backlight holder.</li><li data-bbox="140 608 897 656">• Be careful not to soil the backlight with moisture, oil content or finger prints; otherwise, the life duration of the backlight will be shortened.</li></ul>
8	<p data-bbox="140 674 752 697">Insert the replacement backlight unit by sliding it along the groove.</p>  <p data-bbox="433 793 557 816">Backlight unit</p>

Step	Description	
9	<p style="text-align: center;">PV &lt; 03</p> <p>Reattach the backlight unit cable to the connector on the inverter board, and secure the cable with the cable clamp.</p>	<p style="text-align: center;">PV ≥ 03</p> <p>Reattach the backlight unit cable to the connector on the inverter board, and secure the cable with the cable clamp. Then, tighten the setscrew to the recommended torque.</p>  <p><b>Note:</b> The recommended tightening torque is 0.196 Nm (1.73 lb-in).</p>
<p><b>Important:</b> Be sure the cable is inserted completely into the backlight connector. Failure to do so may cause arcing, which can damage the connector.</p>		
10	<p>Replace the circuit board (the circuit board hinges closed) and secure the rear case in place using the attachment screws removed in steps 1, 2 and 3.</p> <p><b>Note:</b> The recommended fastening torque is 0.5 Nm (4.4 lb-in).</p> <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>• The cable clamp is used to prevent the cable from being caught inside in the unit and possibly damaged. Be sure to insert the cable in the cable clamp around the cable before replacing the rear cover.</li> <li>• If any of the screws is missing, check if it fell inside the unit's chassis. If the power is turned ON while a screw is inside, it may cause an accident or fire.</li> </ul>	