3.2.1 Replacing Backlight

- **CAUTION**
  - Indicate that incorrect handling may cause hazardous conditions, resulting in death or severe injury.

- **DANGER**
  - CAUTION level may lead to a serious accident according to the circumstances.
  - Always follow the precautions of both levels because they are important to personal safety.
  - Please save this manual to make it accessible when required and always forward it to the end user.

### 1. OVERVIEW

This User’s Manual describes GT16 backlight for 10.4” (VGA) GOT (hereafter referred to as the backlight).

### 1.1 How to Check the Function Version and the Hardware Version

Check the function version and the hardware version with the rating plate on the GOT rear face.

### 2. SPECIFICATIONS

The following shows manuals relevant to this product.

- **Manual name**
  - GT16 User’s Manual (Hardware) (Separately)
  - SH-1165B (107082)

**For related manuals**, refer to the PDF manuals stored in the CD-ROM for the drawing software used.

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### 3. BACKLIGHT REPLACEMENT

**3.1 Preparing for Replacement**

The backlight includes the backlight for the liquid crystal display panel. The backlight intensity decreases with time. Replace the backlight when the display window becomes dark due to the decreased intensity and the picture is unclear.

The following procedures for replacing the backlight:

1. Turn off the GOT.
2. Disconnect the power supply cable and the communication cable. Remove the GOT from the control panel.
3. Remove the right extension unit cover of the GOT. Remove an extension unit, including its connection unit, if it is installed.
4. Remove right fixing screws on the GOT rear face with a screwdriver.

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**3.2.2 Backlight replacement procedure**

1. Remove the backlight cables one by one from the cable holder. (See figure of part A in 3.1 4))
2. Remove the backlight cables and the relay cables from the GOT board connector. Since the relay connector adheres inside the cable holder, pull out the backlight so that the backlight does not hit the metal parts of the backlight replacement hole.
3. Pull out the backlight so that the backlight does not hit the packing.
4. Install a new backlight so that its top plate is inserted between the metal parts of the backlight replacement hole. When inserting a new backlight into the backlight replacement hole of the GOT, make sure not to damage the wires of the cables. Insert the backlight all the way in.
5. Connect the backlight cable connector to the GOT board connector. Do not push the cables of the backlight back to the cable holder. Arrange the case in the reverse direction of disassembly. (Tighten the fixing screws on the GOT rear face with a torque of 0.38 to 0.46 Nm.) When installing the case, make sure that the cables are not stuck between the case and the GOT.
6. Insert the top plate of the backlight here.

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Warranty

**Mitsubishi will not hold liable for damage caused by faults found related to the cause of Mitsubishi’s machine damage or the product profile caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated into equipment or systems used in purposes related to general industries, and has not been designed or manufactured to be incorporated into equipment or systems used in purposes related to nuclear power generation, aerospace medicine or space flight, telecommunications, or military use.

- Before using the product for special purposes such as nuclear power generation, aerospace medicine, space flight, telecommunications, or military use, consult with Mitsubishi.

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated into equipment or systems used in purposes related to nuclear power generation, aerospace medicine or space flight, telecommunications, or military use.

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**Backlight Model**

- **Model**
  - GT16-70VLTTA
  - Backlight
  - Life: 50,000 or more (Operating at ambient temperature: 25°C)

- **Type**
  - Cold cathode tube backlight
  - Life: 50,000 or more (Operating at ambient temperature: 25°C)

- **Weight**
  - 0.018 lb (0.08 kg)

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**Model**

- **GT16-70VLTTA**
  - 1

**User’s Manual**

- **GT16-70VLTTA**
  - 1

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**3.2 Replacing Backlight**

The backlight replacement procedure differs according to the hardware version and the manufacture year and month of the GOT.

<table>
<thead>
<tr>
<th>Model</th>
<th>GOT hardware version</th>
<th>Manufacture year and month</th>
<th>Backlight replacement procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT16-75MR-1</td>
<td>A (January 2012) or earlier</td>
<td>(Available)</td>
<td>Refer to 3.2.1</td>
</tr>
<tr>
<td>GT16-75MR-2</td>
<td>C (February 2012) or later</td>
<td>(Available)</td>
<td>Refer to 3.2.2</td>
</tr>
<tr>
<td>GT16-75MR-3</td>
<td>D (March 2012) or later</td>
<td>(Available)</td>
<td>Refer to 3.2.2</td>
</tr>
</tbody>
</table>

**2. SPECIFICATIONS**

**Type**

- **Cold cathode tube backlight**

- **Life**
  - 50,000 or more (Operating at ambient temperature: 25°C)

- **Weight**
  - 0.018 lb (0.08 kg)