

# MITSUBISHI

## MODEL GT11-70VLTN BACKLIGHT

### User's Manual

Thank you for purchasing the GOT1000 Series.

Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

MODEL	GT11-70VLTN-U-C
IB(NA)-0800338-A(0601)MEE	

GRAPHIC OPERATION TERMINAL  
**GOT1000**

#### SAFETY PRECAUTIONS

(Always read these precautions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The precautions given in this manual are concerned with this product.

In this manual, the safety precautions are ranked as "DANGER" and "CAUTION".

**DANGER** Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.

**CAUTION** Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Note that the **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.

#### [BACKLIGHT REPLACEMENT PRECAUTIONS]

##### DANGER

- Make sure to externally shut off all phases of GOT power supply and remove the GOT from the control panel before backlight replacement. If all phases are not shut off, it may cause an electric shock. If backlight is replaced with the GOT on the control panel, the GOT may drop off, resulting in injuries.

##### CAUTION

- Make sure to wear gloves during backlight replacement. Failure to do so may cause injuries.
- Make sure to start the backlight replacement 5 or more minutes after power off of the GOT. Failure to do so may cause burn injuries as the old backlight holds heat for a while.

#### [STARTUP AND MAINTENANCE PRECAUTIONS]

##### CAUTION

- Before handling the GOT, make sure to touch a grounded metal object to discharge the static electricity from the human body. Failure to do so may cause the GOT to fail or malfunction.

#### [DISPOSAL PRECAUTIONS]

##### CAUTION

- Dispose of this product as industrial waste.

#### [TRANSPORTATION PRECAUTIONS]

##### CAUTION

- Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance described in the general specifications of the GT11 User's Manual, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

#### Manuals

The following shows manuals relevant to this product.

##### Detailed Manual

Manual name	Manual Number
GT11 User's Manual (Option)	SH-080592CHN

##### Relevant Manuals

For relevant manuals, refer to the PDF manual stored within the drawing software used.

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## 1. Overview

This User's Manual describes Model GT11-70VLTN backlight (hereafter abbreviated to the backlight). Refer to the GT11 User's Manual for the applicable GOT.

Product name	Model name	Description
Backlight	GT11-70VLTN	For 10.4" TFT (VGA)

## 2. Specifications

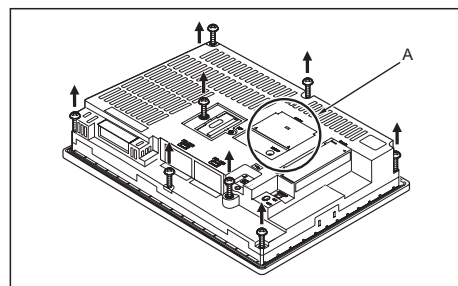
The performance specifications of the backlight are indicated below. Refer to the GT11 User's Manual for the general specifications of the backlight.

Item	Specifications
	GT11-70VLTN
Kind	Cold cathode tube back light
Life	40,000h or more (Operating ambient temperature: 25°C)
Weight	10.7g

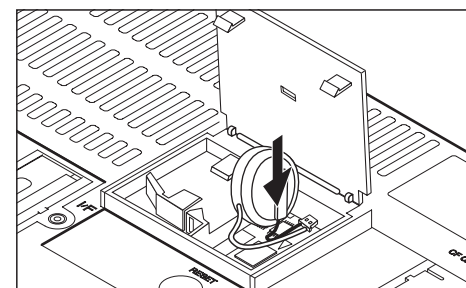
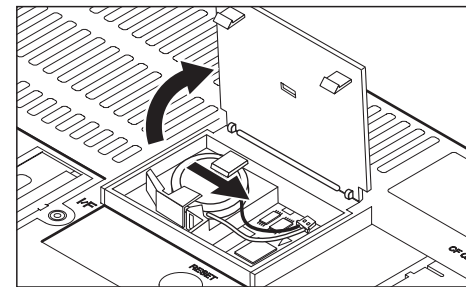
## 3. Backlight Replacement

The GOT includes the backlight for liquid crystal display panel. Please note that the backlight intensity decreases in time. The backlight needs to be replaced when the display section becomes dark due to the decreased intensity and the picture is unclear. The backlight replacement procedure is described below.

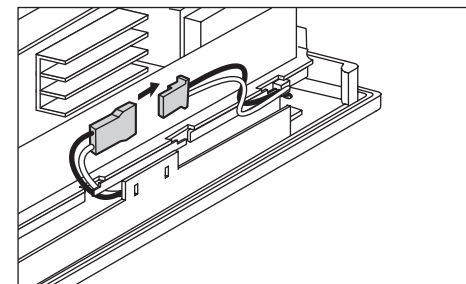
- Power off the GOT.
- Disconnect the power supply cable and communication cable. Remove the GOT from the control panel.
- Remove the GOT rear fixing screws (8 pcs.) with a screwdriver.



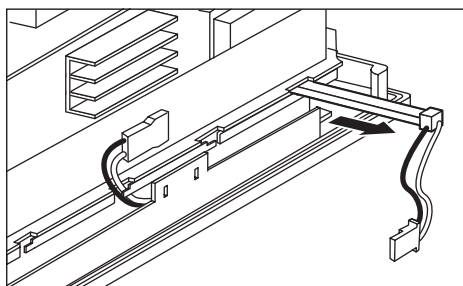
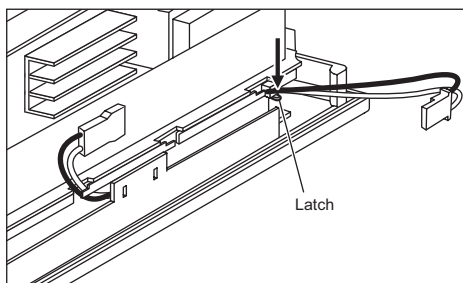
- Open the battery cover and remove the case with passing the battery through the hole of the case. (Only when a battery is mounted.) When removing the case, take care not to detach the battery cable from the board. (Expanded figure of part A in (3))



- Disconnect the cable connector of the backlight from the GOT side connector.



- Press the backlight fixing latch (black) with your finger, and pull out the backlight to the right.



- Mount a new backlight in the reverse procedure of removal. Also assemble the case in the reverse procedure of disassembly. (Tighten the GOT rear fixing screws within the torque range of 0.36 to 0.48 N·m). When mounting the case, take care of not biting the cables between the case and the GOT.

#### Point

Be careful not to disconnect the battery cable from the board when replacing the backlight. When the battery cable is disconnected, data will be erased. It is recommended to back up data before replacing the backlight.

- Precautions for backlight replacement  
When the battery cable is disconnected, connect it to the board again within 30 seconds. After 30 seconds or more, data in the D drive (recipe data, alarm history) and clock data will be erased.

- Data backup and resetting  
Data can be backed up or reset with the following operation.
  - Recipe data : Data can be backed up by uploading the data with GT Designer2. For details, refer to the GT Designer2 Version□ Basic Operation/Data Transfer Manual.
  - Clock data : When the data is erased, set it again after attaching the battery.
  - Alarm history: Backup is not allowed.

#### Warranty

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits 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 in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- This product has been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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