

MITSUBISHI

GT16 Backlight for 8.4" GOT
User's Manual

GT16-60SLTT
GT16-60VLT
GT16-60VLTN

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	GT16-60SLTT-U
MODEL CODE	1D7M92
IB(NA)-0800447-B(1004)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 (when GOT is connected via the bus type connection, make sure to shut off all phases of PLC CPU power supply as well) 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 GT16 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 (Type code)
GT16 User's Manual (Option)	SH-080778ENG (1D7M88)

Relevant Manuals

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

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Packing List

After unpacking the box, check that the following products are included.

Model	Product	Quantity
GT16-60SLTT GT16-60VLT GT16-60VLTN	Backlight	1

1. OVERVIEW

This User's Manual describes GT16 backlight for 8.4" GOT (hereinafter referred to as the backlight). For applicable GOTs, refer to GT16 User's Manual.

Product	Model	Description	GOT
Backlight	GT16-60SLTT	For 8.4" TFT (SVGA) of high intensity and wide angle view	GT1665M-S
	GT16-60VLT	For 8.4" TFT (VGA) of high intensity and wide angle view	GT1665M-V
	GT16-60VLTN	For 8.4" TFT (VGA)	GT1662-VN

2. SPECIFICATIONS

The following shows the performance specifications of the backlight. The general specifications of the backlight are the same as those of the GOT. For the general specifications of the GOT, refer to GT16 User's Manual.

Item	Specifications		
	GT16-60SLTT	GT16-60VLT	GT16-60VLTN
Type	Cold cathode tube back light		
Life	50,000h or more (Operating ambient temperature: 25°C)	40,000h or more (Operating ambient temperature: 25°C)	
Weight	0.006kg(0.013lb)	0.008kg (0.018lb)	

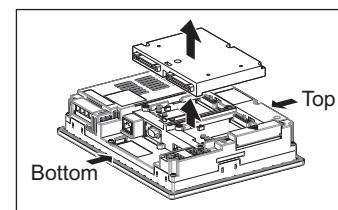
3. BACKLIGHT REPLACEMENT

3.1 Preparing for Replacement

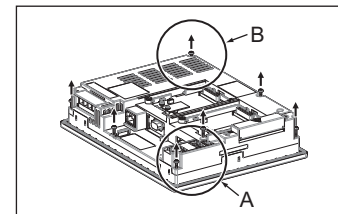
The GOT includes the backlight for liquid crystal display panel. Please note that the backlight intensity decreases in time. The backlight needs to be replaced when the display section becomes dark due to the decreased intensity and the picture is unclear. The backlight replacement procedure is described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

- Turn off the GOT.
- Disconnect the power supply cable and the communication cable. Remove the GOT from the control panel.

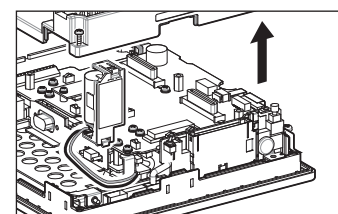
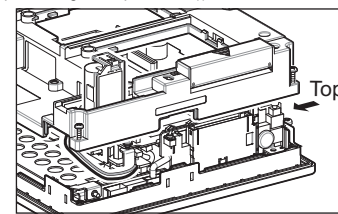
- Remove the right extension unit cover of the GOT. Remove an extension unit, including a bus connection unit, if it is mounted.



- Remove seven fixing screws on the GOT rear face with a screwdriver.



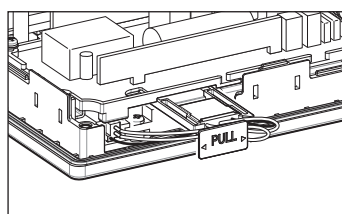
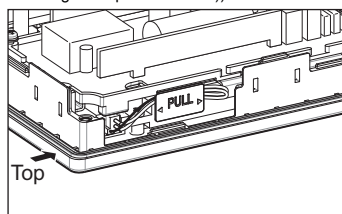
- Remove the case after passing the battery holder through the mounting hole. When removing, take care of not cutting the cable of the battery holder. (Expanded figure of part A in 4))



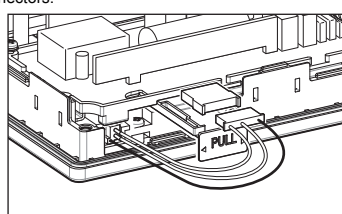
3.2 Replacing Backlight

(1) GT16-60SLTT, GT16-60VLT

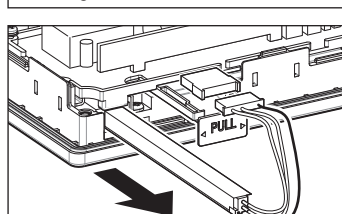
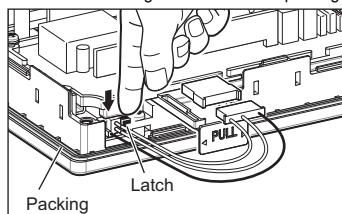
- Pull out the tray for storing the cable connector of backlight (Expanded figure of part B in 3.1.4).



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



- Press the backlight fixing latch (black) toward the direction of the following arrow with your fingers, and pull out the backlight. When pulling out the backlight, press the packing with your fingers so that the backlight does not hit the packing

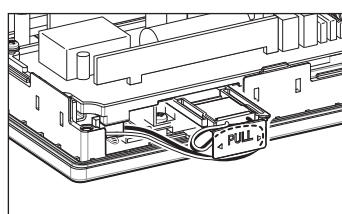
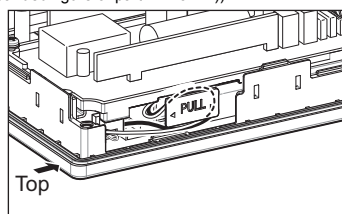


- Install a new backlight in the reverse procedure of removal. When inserting a new backlight into the backlight replacement hole of the GOT, make sure not to damage the sheaths of the cables.

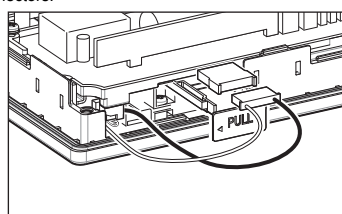
Insert the backlight until it is fixed by the latch (black). Pull the cable tight toward the right side of the tray. Insert the tray until it is fixed. (Refer to 3.2 (1) 1.) Assemble the case in the reverse procedure of disassembly. (Tighten the fixing screws on the GOT rear face with a torque of 0.36 to 0.48 N·m.) When installing the case, make sure that the cables are not stuck between the case and the GOT.

(2) GT16-60VLTN

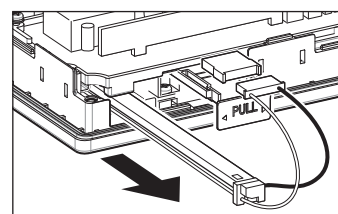
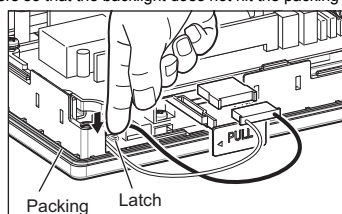
- Pull out the tray for storing the cable connector of backlight (Expanded figure of part B in 3.1.4).



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



- Press the backlight fixing latch (black) toward the direction of the following arrow with your fingers, and pull out the backlight. When pulling out the backlight, press the packing with your fingers so that the backlight does not hit the packing



- Install a new backlight in the reverse procedure of removal. When inserting a new backlight into the backlight replacement hole of the GOT, make sure not to damage the sheaths of the cables.

Insert the backlight until it is fixed by the latch (black). Route the cable under the tray to adjust cable slack. Then, pull the cable tight toward the left side of the tray. Insert the tray until it is fixed. (Refer to 3.2 (2) 1.) Assemble the case in the reverse procedure of disassembly. (Tighten the fixing screws on the GOT rear face with a torque of 0.36 to 0.48 N·m.) When installing the case, make sure that the cables are not stuck between the case and the GOT.

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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