

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

Note that the \triangle CAUTION level may lead to a serious accident according to the circumstances.

Always follow the precautions of both levels because they are impor-tant to personal safety. Please save this manual to make it accessible when required and

always forward it to the end user

replacement. If all phases are not shut off, it may cause ar If backlight is replaced with the GOT on the o GOT may drop off, resulting in injuries.	
 Make sure to wear gloves during backlight re Failure to do so may cause injuries. 	eplacement.
 Make sure to start the backlight replacement after power off of the GOT. 	
Failure to do so may cause burn injuries as t holds heat for a while.	he old backlight
STARTUP AND MAINTENANCE PREC	AUTIONS]
 Before handling the GOT, make sure to toucl object to discharge the static electricity from Failure to do so may cause the GOT to fail o 	the human body.
[DISPOSAL PRECAUTIONS]	
• Dispose of this product as industrial waste.	
[TRANSPORTATION PRECAUTIONS]	
 Make sure to transport the GOT main unit an- in the manner they will not be exposed to the the impact resistance described in the gener the GT15 User's Manual. as they are precisi 	e impact exceeding al specifications of

[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

Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

<u>Manuals</u>

The following shows manuals relevant to this product.

Detailed Manual		
Manual name		Manual Number (Type code)
GT15 User's Manual	(Option)	SH-080528ENG (1D7M23)
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 GT15-80SLTT, GT15-70SLTT and GT15-70VLTT backlight (hereinafter abbreviated as backlight).

abbreviated ab backlight).			
Product name	Model name	Descripton	GOT
Backlight	GT15- 80SLTT	For 12.1" TFT (SVGA) of high intensity and wide angle view	GT1585V-S, GT1585-S
	GT15- 70SLTT	For 10.4 " TFT (SVGA) of high intensity and wide angle view	GT1575-S (Function version B or earlier)
	GT15- 70VLTT	For 10.4 TFT (SVGA, VGA) of high intensity and wide angle view	GT1575-S (Function version C or later) *, GT1575V-S, GT1575-V
	GT15- 70VLTN	For 10.4 TFT (VGA)	GT1575-VN, GT1572-VN
* GOT function version can be confirmed with the rating plate on the GOT rear face.			

For the confirmation method of the function version, refer to GT15 User's Manual

2. Specifications

The performance specifications of the backlight are indicated

below. The general specifications of the backlight is equivalent to those of the GOT. For the general specifications of the backlight, refer to GT15

User's Manual. Specifications Item GT15-GT15-GT15-GT15-

	80SLTT	70SLTT	70VLTT	70VLTN
Kind	Cold cathode tube backlight			
Life	40,000h or more (Operating ambient temperature:25°C)			
Weight	23g	20g	13g	9g

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

The backlight replacement procedure is described below

Backlight replacement varies with the hardware version of the Before replacement, please confirm the hardware version. The hardware version is indicated on the rating plate of the

Model Hame		relefence
GT1585V-STBA	A (Mar. 2006) or later	3.1
GT1585-STBA	B (Apr. 2005) or earlier	3.2
GI 1565-51BA	C (Mar. 2005) or later	3.1
GT1585-STBD	A (Jul. 2005) or later	3.1





(6) Press the backlight fixing latch (black) with your finger, and pull out the backlight to the left. When pulling the backlight, press the packing with your finger so that the backlight will not be hit with the packing. (When replacing GT15-80SLTT)



(When replacing GT15-70SLTT or GT15-70VLTT)



Model name	Hardware version	Reference
GT1575V-STBA	A (Mar. 2006) or later	3.1
GT1575-STBA	B (Apr. 2005) or earlier	3.2
	C (Mar. 2005) or later	3.1
GT1575-STBD	A (Jul. 2005) or later	3.1
GT1575-VTBA	D (Apr. 2005) or earlier	3.2
	E (Mar. 2005) or later	3.1
GT1575-VTBD	A (Jul. 2005) or later	3.1
GT1575-VNBA	A (Sep. 2005) or later	3.1
GT1575-VNBD	A (Sep. 2005) or later	3.1
GT1572-VNBA	A (Sep. 2005) or later	3.1
GT1572-VNBD	A (Sep. 2005) or later	3.1

3.1 Replacement (1)

- (1) Power off the GOT
- (2) Disconnect the power supply cable and communication cable. Remove the GOT from the control panel.
- (3) Remove the expansion unit cover from the right side of the GOT Remove the expansion unit, e.g. bus connection unit, if it is



(4) Remove the GOT rear fixing screws (8 pcs.) with a screwdriver.



(5) 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))



Warranty

С

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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(6) Pull up the backlight drive board, and disconnect the cable connector of the backlight from the connector of the backlight drive board.



When replacing GT15-80SLTT, remove the cable from the cable holder. (When replacing GT15-80SLTT)





- (8) 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.

- Remove the expansion unit, e.g. bus connection unit, if it is mounted



- 3.2 Replacement (2)
- (1) Power off the GOT.
- (2) Disconnect the power supply cable and communication cable. Remove the GOT from the control panel.
- (3) Remove the expansion unit cover from the right side of the GOT.

unclear applicable GOT.

GOT rear face. For the confirmation method of the hardware version, refer to GT15 User's Manual.

GI 15 USER'S Manual.		
Model name	Hardware version	Reference
GT1585V-STBA	A (Mar. 2006) or later	3.1

	GT1585-STBA	B (Apr. 2005) or earlier
		C (Mar. 2005) or later
	GT1585-STBD	A (Jul. 2005) or later

(7) Press the backlight fixing latch (black) with your finger, and pull out the backlight to the left. When pulling the backlight, press the packing with your finger so that the backlight will not be hit with the packing. (When replacing GT15-80SLTT)



(When replacing GT15-70SLTT, GT15-70VLTT or GT15-70VLTN)



(4) Remove the GOT rear fixing screws (8 pcs.) with a screwdriver, and remove the case. crew A must be tighten in the torque range of 0.186 to 0.245 N·m, as it is made of plastic









- (7) 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 following torque range Screw A: 0.186 to 0.245 N•m
 - Other screws: 0.36 to 0.48 N·m).
 - When mounting the case, take care of not biting the cables between the case and the GOT.

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