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[Title] Production Discontinuation of the GOT800 Series   **[Date of Issue]** August '20
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Thank you for your continued support of Mitsubishi Electric Graphic Operation Terminal MELSEC GOT Series.

The production of the GOT800 Series including related devices for the GOT800 Series will be discontinued.

Contents

MITSUBISHI ELECTRIC CORPORATION

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1. Discontinued Models

The following table shows the models to be discontinued.

(1) Standard products

Item		Type
A870GOT	GOT main module (with AC power supply)	A870GOT-EWS, A870GOT-SWS, A870GOT-TWS, A810GOT-CS
	GOT main module (without power supply)	A8GT-70GOT-EW, A8GT-70GOT-SW, A8GT-70GOT-TW, A8GT-70GOT-EB, A8GT-70GOT-SB, A8GT-70GOT-TB, A8GT-10GOT-C
	Power supply module	A8GT-PWEL, A8GT-PWST, A8GT-PWTF, A8GT-PW24
A85*GOT		A850GOT-LWD, A850GOT-SWD, A850GOT-LBD, A850GOT-SBD, A850GOT-LWD-M3, A850GOT-SWD-M3, A850GOT-LBD-M3, A850GOT-SBD-M3, A851GOT-LWD, A851GOT-SWD, A851GOT-LBD, A851GOT-SBD, A851GOT-LWD-M3, A851GOT-SWD-M3, A851GOT-LBD-M3, A851GOT-SBD-M3, A852GOT-LWD, A852GOT-SWD, A852GOT-LBD, A852GOT-SBD, A852GOT-LWD-M3, A852GOT-SWD-M3, A852GOT-LBD-M3, A852GOT-SBD-M3, A853GOT-LWD, A853GOT-SWD, A853GOT-LBD, A853GOT-SBD, A853GOT-LWD-M3, A853GOT-SWD-M3, A853GOT-LBD-M3, A853GOT-SBD-M3
Communication module		A7GT-BUS, A7GT-BUS2, A7GT-BUSS [1], A7GT-BUS2S [1], A8GT-RS4, A8GT-RS2
Memory cassette		A8GT-MCAM, A8GT-MCA1MFDW, A8GT-MCA2MFDW, A8GT-MCA4MFDW
Protective sheet		A8GT-70PSCE, A8GT-70PSCS, A8GT-70PSNE, A8GT-70PSNS, A8GT-50PSC, A8GT-50PSN
Back light		A8GT-70LTS, A8GT-50LT, A8GT-70LTT
Printer interface module		A8GT-70PRF, A8GT-50PRF
External I/O interface module		A8GT-70KBF
Debug stand		A8GT-70STAND, A8GT-50STAND
Mounting fixture		A8GT-50STE
RS232C switch adapter for A810GOT		A8GT-SWR2

[1] Replace the communication modules compatible with the A956GOT as indicated below.
(There is no change in the external dimensions and the bus connection cable.)
A7GT-BUSS → A9GT-BUSSU
A7GT-BUS2S → A9GT-BUS2SU

(2) CE marked products

Item		Type
CE marked GOT main module	GOT main module (without power supply)	A8GT-70GOT-EW-EUN, A8GT-70GOT-EB-EUN, A8GT-70GOT-SW-EUN, A8GT-70GOT-SB-EUN
	CE marked power supply module	A8GT-PW-EU
CE marked communication module		A7GT-BUS2-EUN, A8GT-RS4-EUN

(3) Software package

Item	Type
Software package	SW3NIW-GOT800P-SET

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2. Production discontinuation

Discontinuance is scheduled as follows:

Description	Period
Order acceptance and production transition period	Through March, 2002
Order acceptance period	Through August, 2002
Production period	Through September, 2002
Repair acceptance	Through September, 2009

3. Transition to GOT-A900 Series

Select a model of the GOT-A900 Series according to the following procedure, and utilize the monitor screen data.

When replacing your GOT with GOT1000 or GOT2000 series, refer to the following Technical Bulletins.
・Precautions when Replacing GOTA800, A77GOT, A64GOT Series with GOT1000 Series (GOT-A-0018)
・Precautions when Replacing GOT1000 Series with GOT2000 Series (GOT-A-0061)

(1) Model selection

(a) Model selection of the GOT main unit
Replace the GOT800 Series with the GOT-A900 Series, while paying attention to the differences in the dimensions of the mounting holes. If it is difficult to change the dimensions of the mounting holes, use the attachment.
The following table shows the recommended models.

GOT800 Series In Use			Recommended GOT-A900 Series	Attachment
A870GOT	A870GOT-EWS		A960GOT-EBA	A87GT-96ATT
	A870GOT-SWS		A970GOT-SBA	A87GT-97ATT
	A870GOT-TWS		A970GOT-TBA	
	A8GT-70GOT-EW, A8GT-70GOT-EB	For A8GT-PWEL	A960GOT-EBA	A87GT-96ATT
		For A8GT-PW24	A960GOT-EBD	
	A8GT-70GOT-SW, A8GT-70GOT-SB	For A8GT-PWST	A970GOT-SBA	A87GT-97ATT
		For A8GT-PW24	A970GOT-SBD	
	A8GT-70GOT-TW, A8GT-70GOT-TB	For A8GT-PWTF	A970GOT-TBA	
		For A8GT-PW24	A970GOT-TBD	
A810GOT	A810GOT-CS		A985GOT-TBA	N/A *1
	A8GT-10GOT-C	For A8GT-PWTF	A985GOT-TBA	
		For A8GT-PW24	A985GOT-TBD	
A850GOT	A850GOT-LWD(-M3), A850GOT-LBD(-M3)	For RS-422 connection	A950GOT-LBD(-M3)	A85GT-95ATT
		For Communication module	A956GOT-LBD(-M3)+Communication module	
	A850GOT-SWD(-M3), A850GOT-SBD(-M3)	For RS-422 connection	A950GOT-SBD(-M3)	
		For Communication module	A956GOT-SBD(-M3)+Communication module	
A851GOT	A851GOT-LWD(-M3), A851GOT-LBD(-M3)		A951GOT-LBD(-M3)	
	A851GOT-SWD(-M3), A851GOT-SBD(-M3)		A951GOT-SBD(-M3)	
A852GOT	A852GOT-LWD(-M3), A852GOT-LBD(-M3)		A956GOT-LBD(-M3)+A8GT-J61BT15	
	A852GOT-SWD(-M3), A852GOT-SBD(-M3)		A956GOT-SBD(-M3)+A8GT-J61BT15	
A853GOT	A853GOT-LWD(-M3), A853GOT-LBD(-M3)		A953GOT-LBD(-M3)	
	A853GOT-SWD(-M3), A853GOT-SBD(-M3)		A953GOT-SBD(-M3)	

*1 Replace the A810GOT (CRT output only type) with the A985GOT (GOT with a built-in CRT output interface). (The GOT dedicated to CRT output is not presented in the GOT-A900 Series.)
It is necessary to modify the mounting holes when replacing the GOT800 series.
*2 The color of the front section of all the GOT-A900 Series is dark gray.
Please note that the model with the ivory white front section is not presented.

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(b) Selection of the communication module
     After a GOT model is selected, check if the current communication module requires to be replaced. When you replace with a model recommended in item (a), "Model selection of the GOT main unit", replace the communication module according to the following list.

Current GOT	Current connection pattern	communication module replacement	GOT800 Series compatible communication module	Communication module/communication board required during transition
A870GOT A810GOT	Bus connection	Required	A7GT-BUSS	A9GT-BUSS, A9GT-BUSSU
			A7GT-BUS	A9GT-BUSS, A9GT-BUSSU
			A7GT-BUS2S	A9GT-BUS2S, A9GT-BUS2SU
			A7GT-BUS2	A9GT-BUS2S, A9GT-BUS2SU
	For RS-422 communication connection (CPU direct connection, Computer link connection, etc.)	Required	A8GT-RS4	A9GT-RS4
	For RS-232 communication connection (Computer link connection, etc.)	Required	A8GT-RS2	A9GT-RS2
	MELSECNET connection	Not required	A7GT-J71LP23	
			A7GT-J71BR13	
			A7GT-J71AP23	
			A7GT-J71AR23	
			A7GT-J71AT23B	
	CC-Link connection	Not required	A8GT-J61BT13	
			A8GT-J61BT15	
A850GOT	Bus connection	Required	A7GT-BUSS	A9GT-BUSSU
			A7GT-BUS	A9GT-BUSSU
			A7GT-BUS2S	A9GT-BUS2SU
			A7GT-BUS2	A9GT-BUS2SU
	For RS-422 communication connection (CPU direct connection, Computer link connection, etc.)	Not required	None (built-in communication interface)	
	MELSECNET connection	Not required	A7GT-J71LP23	
			A7GT-J71BR13	
			A7GT-J71AP23	
			A7GT-J71AR23	
			A7GT-J71AT23B	
	CC-Link connection	Not required	A8GT-J61BT13	
			A8GT-J61BT15	
A851GOT	Bus connection	Not required	None (built-in communication interface)	
A852GOT	CC-Link connection	Required	None (built-in communication interface)	A8GT-J61BT15
A853GOT	For RS-232 communication connection (Computer link connection, etc.)	Not required	None (built-in communication interface)	

Tip for replacing the model

The GOT800 Series and the GOT-A900 Series have different power supply terminal positions, PC card mounting positions, and communication cable pullout directions. When replacing them, be sure that the GOT and its adjacent devices do not interfere with each other.
For differences of cable connection, etc. between the GOT-800 Series and the GOT-A900 Series, see Section 4, "Cautions for Replacing the GOT800 Series with the GOT900 Series."

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(2) **How to convert the monitor screen data**

Use either of the graphic software packages for the GOT-A900 Series, GT Works Version5 (SW5D5C-GTWORKS-E) or GT Designer Version5 (SW5D5C-GOTR-PACKE).
The data conversion software (GT Converter) of GT Works Version5 or GT Designer Version5 converts the monitor screen data of the GOT800 Series into the GOT-A900 Series format. (Converting the monitor screen data reduces its data size by approximately 70%.)

(3) **Compatibility of the monitor screen data**

In general, the data converted from the GOT800 Series into the GOT-A900 Series has upward compatibility. However, some functions require modification in sequence programs and graphic data, etc., as shown below.

Item	Description	Procedure to replace the GOT800 Series with the GOT-A900 Series
Screen size of window	As a result of the improvement on the GOT-A900 Series in terms of display efficiency of windows, the GOT800 Series and the GOT-A900 Series have different window screen widths as follows: GOT800 Series:　Can be changed in 1-dot units. GOT-A900 Series:　Can be changed in 8-dot units. 　　　　　(width + 2 dots)/8	Use GT Works Version5 Release A (SW5D5C-GTWORKS-E Release A) or later, or GT Designer Version5 Release A (SW5D5C-GOTR-PACKE Release A) or later. (Each of the above software allows the GOT-A900 Series to change in 1-dot units.)
Part display	When you have selected [Display mode] - [XOR display], the parts that group overlapping graphics are displayed as follows: GOT800 Series: All grouped graphics are displayed at once, when using XOR-display. GOT-A900 Series: Each graphic in the grouped graphics is displayed one at a time in the overlapping order, when using XOR-display.	See (4).
	When you create data by setting the same line color and pattern color with pattern type 8 (fill) after selecting [Display mode] - [XOR display] in the GOT800 Series and then convert it into the GOT-A900 Series, the outside of that data part is displayed one dot smaller.	
	When you create data by selecting [Display mode] - [XOR display] in the GOT800 Series (16-color models) and then display it with the GOT-A900 Series (16-color models), the overlapped data area is displayed dark. (For that data, the display colors are matched with those of a 256-color model in the GOT-A900 Series.) <Example>	It is not always necessary to change the settings of the colors. You can lighten the dark overlapped area by setting the product's color darker. (Either the color of a part or an overlapped area will always have a dark color.) <In the case of the example at left>

<Example>

GOT used	Color of graphics	Color of parts	Color of overlapped areas
GOT800 (16 colors)	Blue	White	Yellow
GOT-A900 (16 colors)	Blue	White	Dark yellow
GOT-A900 (256 colors)	Blue	White	Yellow

<In the case of the example at left>

GOT used	Color of graphics	Color of parts	Color of overlapped areas
GOT-A900 (16 colors)	Blue	Dark white	Yellow

Item	Description	Procedure to replace the GOT800 Series with the GOT-A900 Series
Part movement	If the device value becomes a negative numeric value or out of the display range, the data created by setting [Indirect] for [Parts indication] using the "Part movement" function of the GOT800 Series is displayed as follows: GOT800 Series:　Parts are not displayed. GOT-A900 Series:　Parts are displayed.	No problem will occur unless you have set [Indirect] using the "Part movement" function. In addition, there is no problem to set [Indirect] unless the device value becomes a negative numeric value or out of the [Display range]. If the device value becomes a negative numeric value or out of the [Display range], set the part number to "0" and out of the [Display range]. (Setting the [Display part] number to "0" hides parts.)

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| Item	Description	Procedure to replace the GOT800 Series with the GOT-A900 Series
Touch key	The priority varies depending on the GOT when duplicate touch keys have been set. GOT800 Series: Word SET → Bit SET GOT-A900 Series: Bit SET → Word SET	When the GOT references sequence programs in the order of bits and then words, create touch keys for bit SET and word SET separately, and paste the word SET touch key over the bit SET touch key by calling the screen. After a word SET operation is performed, the touch key performs a bit SET operation in order to execute from the top side.

System information "values before and after changes"	The values of system information before and after changes vary depending on the GOT, when you enter a negative value via 16-bit signed BIN numeric value input.
	Example: Value before numeric value input: -1
	           Value for numeric value input: -2
	<System information of the GOT800 Series>
	    Value before change: 0X0000FFFF
	    Value after change: 0X0000FFFE
	<System information of the GOT-A900 Series>
	    Value before change: 0XFFFFFFFF
	    Value after change: 0XFFFFFFFE
		No problem will occur unless you enter a negative value via 16-bit signed BIN numeric value input.
		In addition, there is no problem if the GOT references sequence programs using a negative value before changing the system information as 16 bits.
		
		When the GOT references sequence programs using the value before changing the system information as 32 bits, extract the lower 16 bits and then reference.

System information "Automatic screen saver disable signal (b0), Forced screen saver enable signal (b1)"	In the GOT-A900 Series, the operation of b1 (forced screen saver enable signal) takes precedence of the operation of b0 (automatic screen saver disable signal).
	This may cause some GOTs to work differently if both b0 and b1 are turned on.
	<If both b0 and b1 are turned on>
	GOT800 Series:
	    The display and backlight are both turned off by the screen saver.
	GOT-A900 Series:
	    The display and backlight both remain on.
		You should change sequence programs, etc. if the forced screen saver enable signal (b1) and the automatic screen saver disable signal (b0) turn on/off the backlight.

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(4) How to set the XOR display of the Part display function

When the XOR display of the Part display function is set, selecting "GOT800 compatible mode" allows the GOT to display parts correctly.
The operating procedure for the GOT800 compatible mode is as follows:

> This operation is compatible only with GT Works Version5 Edition P (SW5D5C-GTWORKS-E Release P) or later, or GT Designer Version5 Release P (SW5D5C-GOTR-PACKE Release P) or later.
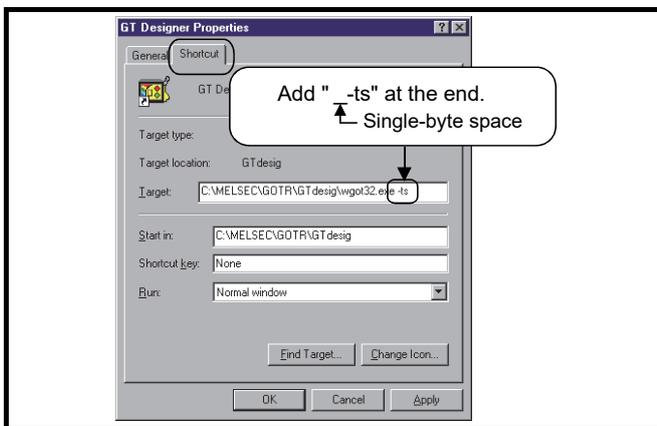

1) Select the GT Designer icon in C:\Windows\Start menu\Program\MELSOFT applications, and then select the [Properties] menu by right-clicking the mouse. (If you did not register the icon for starting GT Designer at installation, create a shortcut for the executable file (.EXE) of GT Designer.)

2) When the properties of GT Designer are displayed, select the Shortcut tab and add " -ts" to the contents of [Target].
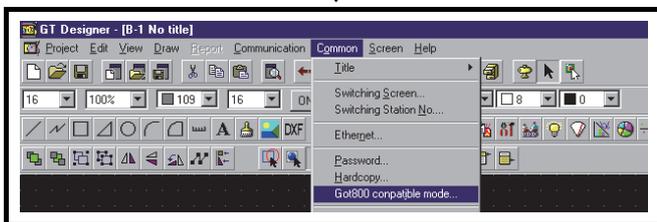
3) When GT Designer is started, the [Got800 compatible mode] menu is added to the common settings. Then, select that menu.
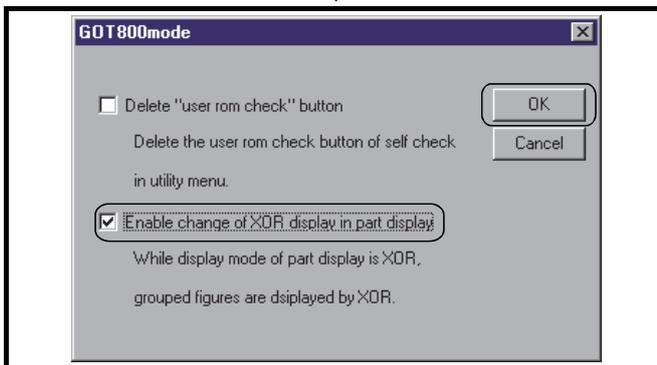
4) A dialog box appears. Check [Enable change of XOR display in part display], and then press the [OK] button.

5) Read the monitor screen data converted by GT Converter and save it again.
The grouped part appears as XOR display as GOT 800 Series.

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4. Cautions for Replacing the GOT800 Series with the GOT-A900 Series

This section describes the other cautions for replacing the GOT800 Series with the GOT-A900 Series.
The following mainly shows the cautions for replacing with any of the models recommended in item (1) "Model selection" in Section 3, "Transition to GOT-A900 Series."

(1) Cautions for installation

Install the GOT on the control panel, etc. according to the following cautions.

(a) Depth of the GOT
Some models require more depth inside the control panel, etc. than previous models.
The following shows the depths required for model replacement.

GOT800 Series in use	GOT-A900 Series to be transferred	Corrective action
A870GOT-EWS (Depth: 83mm (3.27 inch))	A960GOT (Depth: 43mm (1.69 inch))	No action is required (The depth should be smaller than the former models.)
A870GOT-SWS (Depth: 81mm (3.19 inch))	A970GOT-SB* (Depth: 40mm (1.57 inch))	
A870GOT-TWS (Depth: 81mm (3.19 inch))	A970GOT-TB* (Depth: 40mm (1.57 inch))	
A85*GOT (Depth: 56mm (2.20 inch))	A95*GOT (Depth: 51mm (2.01 inch))	
A810GOT (Depth: 88.4mm (3.48 inch))	A985GOT (Depth: 43mm (1.69 inch))	
A852GOT (Depth: 63mm (2.48 inch))	A956GOT+ A8GT-J61BT15 (Depth: 85(51+34)mm (3.35 (2.01+1.34) inch))	The depth should be larger than the former models.

(b) Cable installation directions
When you replace the GOT800 Series with the GOT-A900 Series, the cable installation position and the installation direction may be different between these series.
If any device is installed under a GOT, be sure that the cables of the GOT and the device do not interfere with each other.

Example: Using an external I/O interface module
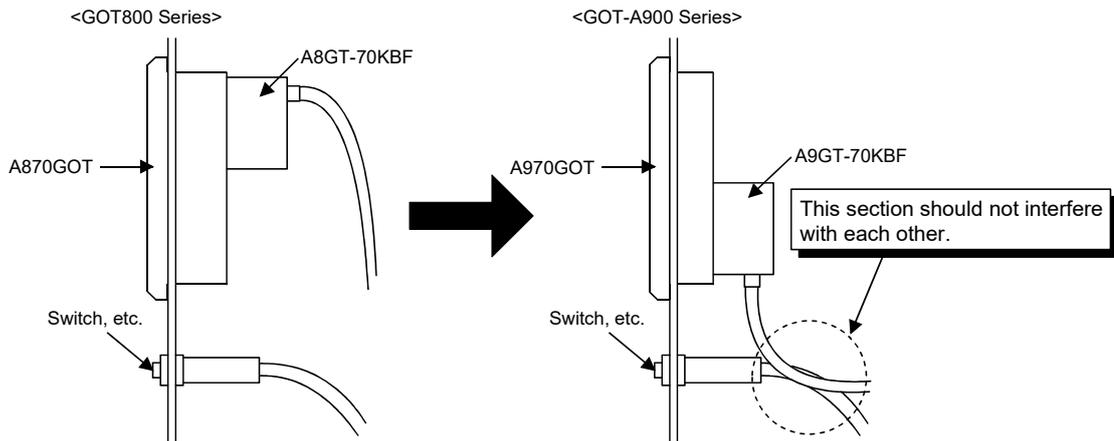
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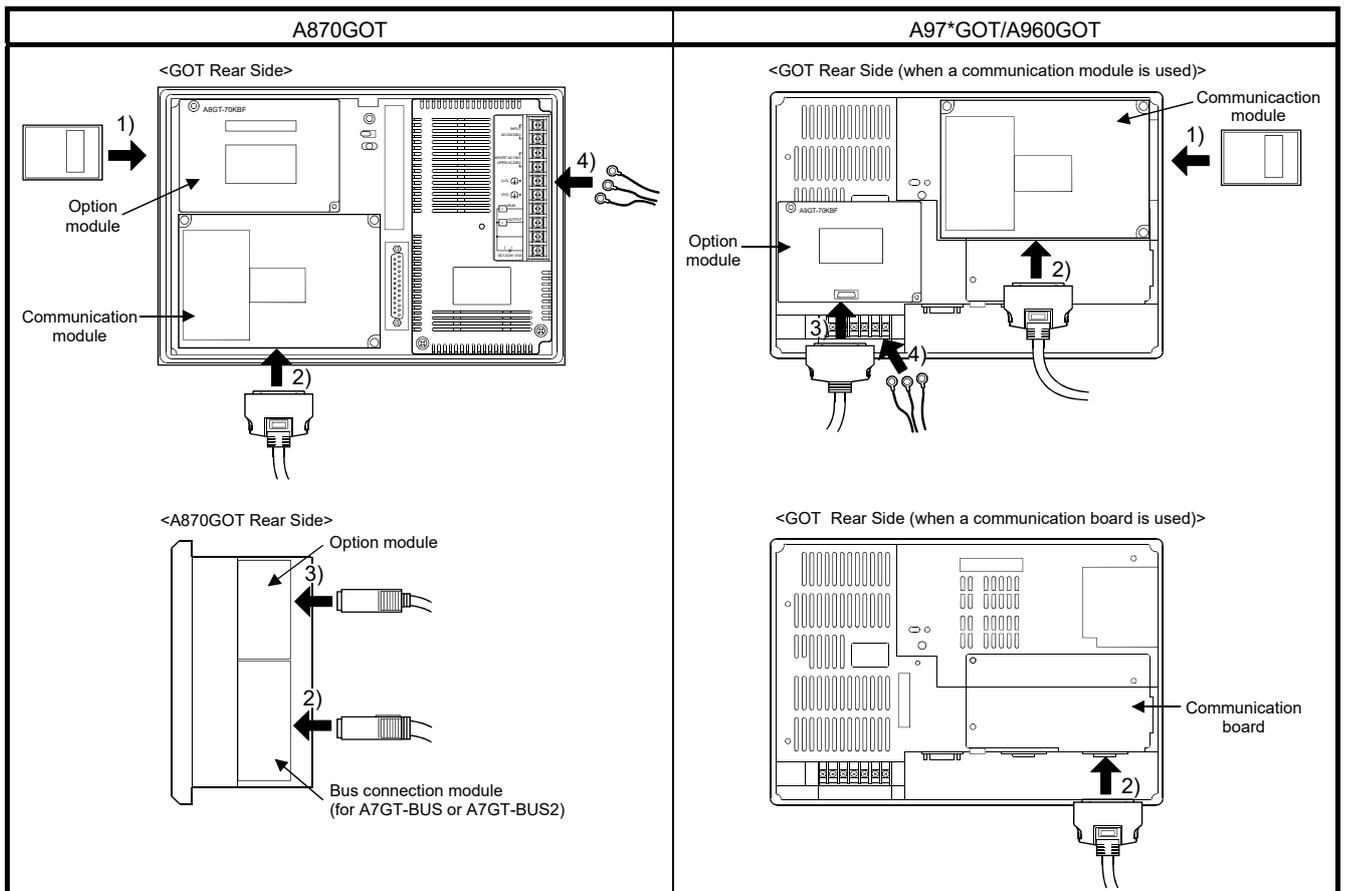**[Relevant Models]** GOT800 Series

(2) Differences in the cable pullout direction and the PC card mounting direction

The GOT800 Series and the GOT-A900 Series have a different cable pullout direction and position, as well as a PC card mounting direction.
For GOT installation on the control panel, refer to the following:

(a) Replacing the A870GOT with the A97*GOT/A960GOT

	Item	Mounting position on GOT		Notes
		A870GOT	**A97*GOT/A960GOT**	
1)	Position of PC card	Left side	Right side	Allocate sufficient space from the device at the right of the GOT, so that the PC card can be inserted/removed.
2)	Cable connect direction (Bus connection module (Large connector type: A7GT-BUS, A7GT-BUS2))	Rearward	Downward	Bus connection module (Large connector type: A7GT-BUS, A7GT-BUS2) is not present in GOT-A900 series, therefore cable connect direction has been changed.
	Position of communication Module	Lower left side	Upper right side	If any device is installed under the GOT, the communication cable and the device should not interfere with each other.
3)	Cable connect direction of option module	Rearward	Downward	If any device is installed under the GOT, the cable of the option module and the device should not interfere with each other.
4)	Position of power supply terminals	Upper right side	Lower left side	Change the routing of the power supply line.

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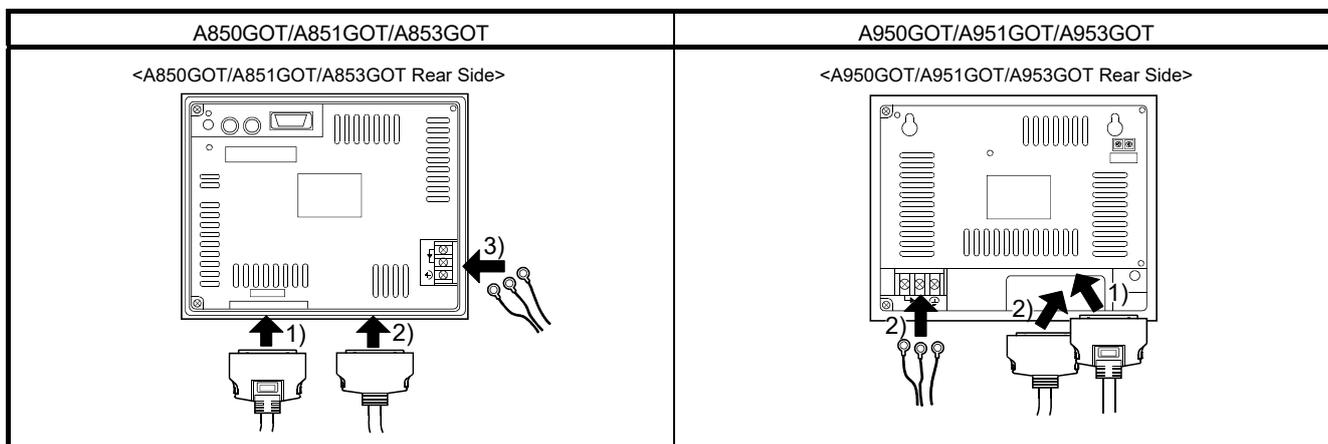**[Issue No.]** T10-0019-A   **[Page]** 10/13
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(b)Replacing the A850GOT/A851GOT/A853GOT with the A950GOT/A951GOT/A953GOT

A850GOT/A851GOT/A853GOT	A950GOT/A951GOT/A953GOT
<A850GOT/A851GOT/A853GOT Rear Side>	<A950GOT/A951GOT/A953GOT Rear Side>

Item		Mounting position on GOT		Notes
		A850GOT A851GOT A853GOT	A950GOT A951GOT A953GOT	
1)	Position of communication connector	Lower left side	Lower right side	If any device is installed under the GOT, the communication cable and the device should not interfere with each other.
2)	Position of option module interface	Lower rightward	More rightward than the former position	If any device is installed under the GOT, the cable of the option module and the device should not interfere with each other.
3)	Position of power supply terminals	Lower right side	Lower left side	Change the routing of the power supply line.

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(c)　Replacing the A850GOT with the A956GOT (mounted with a communication module)
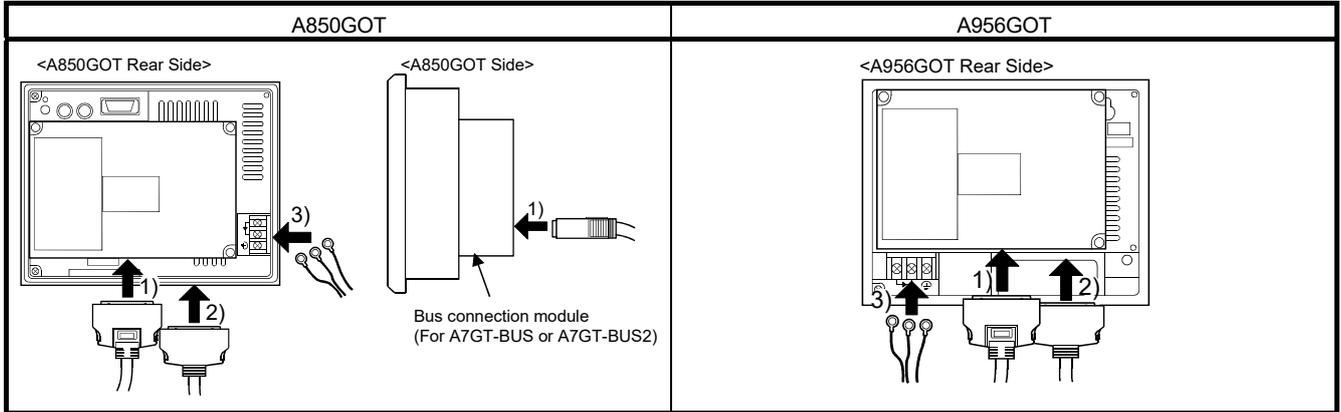
Item		Mounting position on GOT		Notes
		A850GOT	A956GOT	
1)	Communication cable connect direction	Rearward	Downward	Only applicable when changing from A7GT-BUS/BUS2 to A9GT-BUSSU/BUS2SU.
	Position of communication module	Left side	More rightward than the former position	If any device is installed under the GOT, the communication cable and the device should not interfere with each other.
2)	Position of option module interface	Lower rightward	More rightward than the former position	If any device is installed under the GOT, the cable of the option module and the device should not interfere with each other.
3)	Position of power supply terminals	Lower right side	Lower left side	Change the routing of power supply line.

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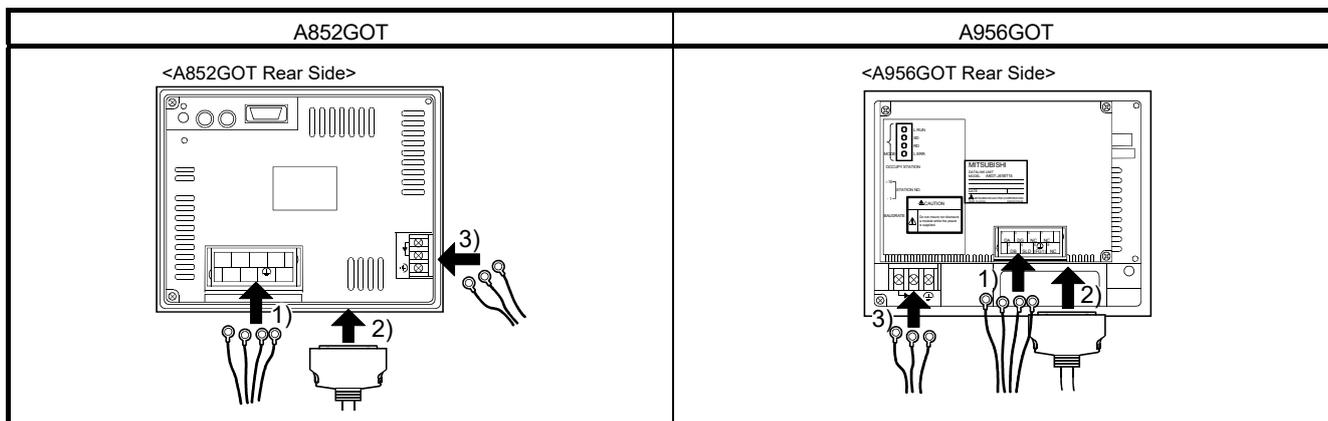**[Title]** Production Discontinuation of the GOT800 Series   **[Date of Issue]** August '20
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(d) Replacing the A852GOT with the A956GOT + A8GT-J61BT15

	Item	Mounting position on GOT		Notes
		A852GOT	A956GOT(with A8GT-J61BT15)	
1	Position of communication terminals	Lower left side	Lower right side	If any device is installed under the GOT, the CC-Link dedicated cable and the device should not interfere with each other.
2	Position of power supply terminals	Lower right side	Lower left side	Change the routing of the power supply line.
3	Position of option module interface	Lower rightward	More rightward than the former position	If any device is installed under the GOT, the cable of option module and the device should not interfere with each other.

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(3) Bus connection cable (large connector type)/RS-422 cable

The GOT800 and GOT900 series have different communication connectors. Therefore, the bus connection cable (large connector type) and the RS-422 cable should be changed.
However, the existing cables are usable with the bus connection conversion cable[*1] and the RS-422 communication conversion cable[*1].
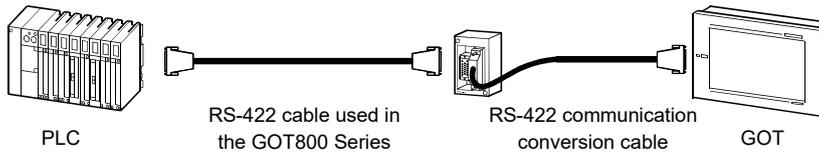
(a) For bus connection
The following shows a system configuration to use a bus connection conversion cable.

For multiple GOT connection
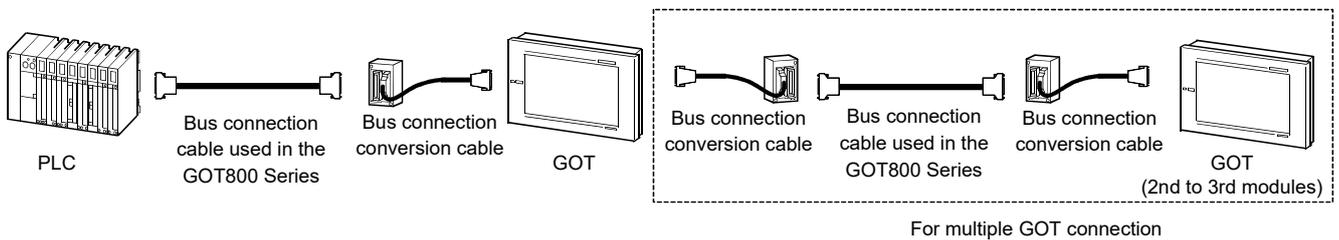
(b) For RS-422 communication
The following shows a system configuration to use an RS-422 communication conversion cable.

*1 The bus connection conversion cable and the RS-422 communication conversion cable are exclusively used for the GOT. Please note that operation will not be guaranteed if you apply them to other purposes.

REVISIONS

Version	Print date	Revision
-	July 2001	- First edition
A	August 2020	- Added the Technical Bulletins to be referred to when replacing your GOT with GOT1000 or GOT2000 series to section 3. - Revised 4.1.a.