

Service Manual

Controller

FB10/14/15/18(H)CA1(J)

FB20/25(H)CA1(J),FB28CA1(J)

FB30CA1(J)

221E20001-up 256E00792-up

241C10001-up 257C01120-up

251AC2001-up

3-2-2. MPU board setting

<RS Model selection>

The rotary switch RS on the MPU board is used to select the forklift truck model.

When replacing the MPU board, be sure to refer to the table below in order to match the rotary switch with the corresponding forklift truck model.

<RS Model selection>

RS	Applicable forklift models
0	FB10CA1
1	FB14CA1/15CA1
2	FB18CA1
3	FB20CA1
4	FB25CA1
5	FB28CA1
6	FB30CA1
7	FB10HCA1
8	FB14HCA1/15HCA1
9	FB18HCA1
A	FB20HCA1
B	FB25HCA1
C	Not used
D	
E	
F	

<Dip switch selection>

DS	Setting	Remarks
1	Used	OFF: Standard ON: Inspection type
2	Not used	
3	Not used	
4	Not used	

<Volume setting : for proportional control valve current adjustment>

*For optional AOS / finger tip control only

Volume Vo.	Function	Remarks
VR1	Lift proportional control valve current adjustment	Turning the volume clockwise decreases the current
VR2	Attachment2 proportional control valve current adjustment	
VR3	Tilt proportional control valve current adjustment	
VR4	Attachment1 proportional control valve current adjustment	

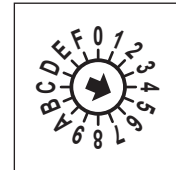
Notice) Standard board does not have the volume.

5-2-13. Display language check and settings

<How to check the language setting>

1. Set the rotary switch RS on the EPS controller to "5".
2. Turn on the key switch. The following screen appears.
3. Confirm the language setting.

● EPS controller



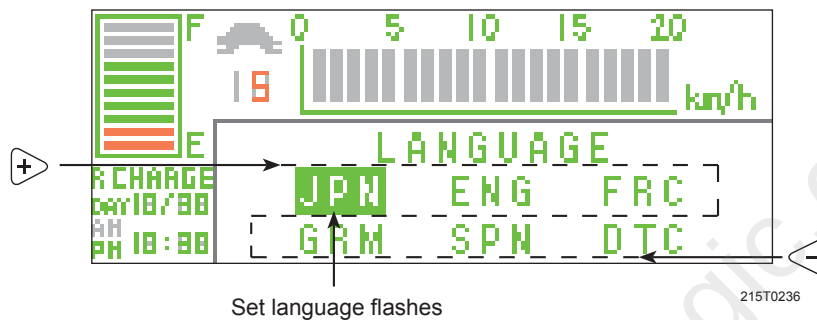
Set RS to "5".

When the rotary switch mode is set to OFF in the service setting,

ROTARY SW OFF/ON

Press $\rightarrow$ or $\leftarrow$ button for at least 3 seconds while also pressing MODE button.

● Display language setting screen

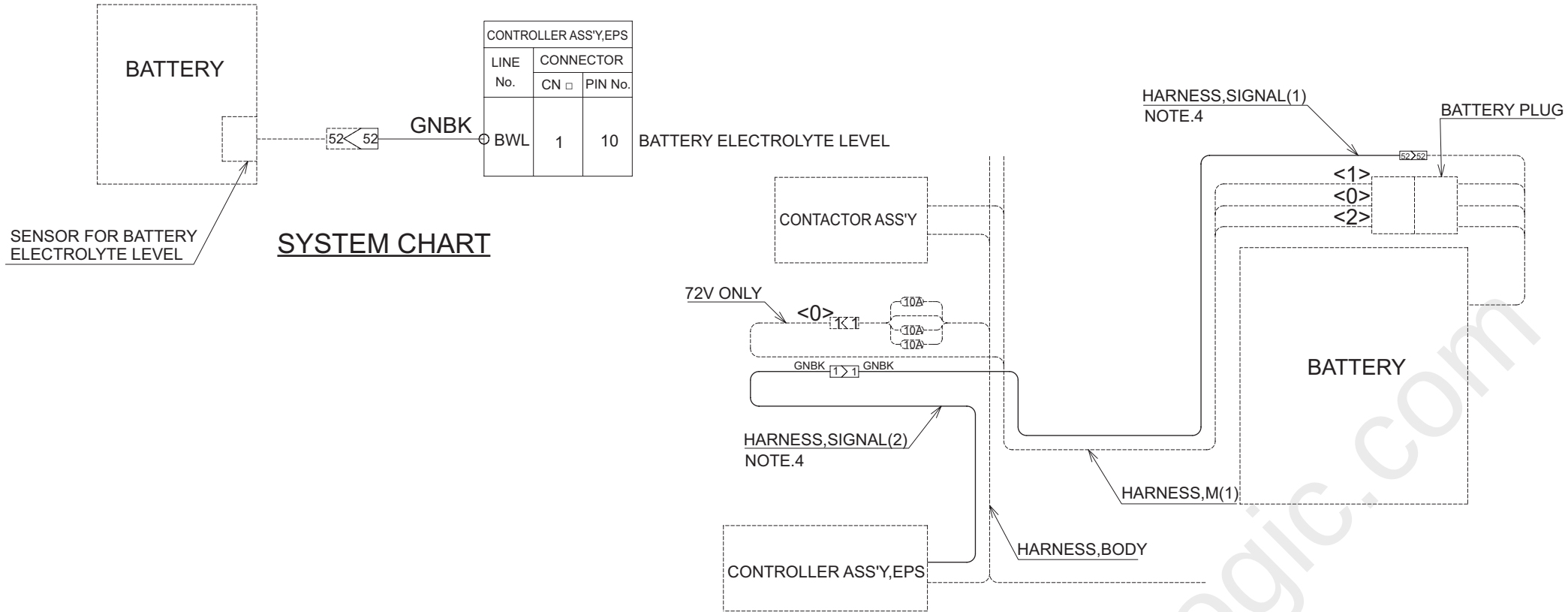


<How to set the language>

1. Press $\rightarrow$ and $\leftarrow$ button to select one of the following languages.
 JPN : Japanese
 ENG : English
 FRC : French
 GRM : German
 SPN : Spanish
 DTC : Dutch
2. After setting the language, return the rotary switch RS on the EPS controller to "0".



The "CHARGER" on the optional settings screen mandatorily turns OFF when a language other than "JPN" is set.



<NOTE>

1. TERMINAL

- 1: SUHR RECEPTACLE AMP 170887-1
- 1: PLUG AMP 170020-2
- 22: SHUR RECEPTACLE AMP 1318143-2 (LOOSE PIECE) 1123343-2 (STRIP FORM)
- 52: PLUG SATO-PARTS TJ-2-P
- 52: SUHR RECEPTACLE SATO-PARTS TJ-2-J

2. REFER TO MNS D0035 FOR WIRE TREATMENT.

3. REFER TO MNS P0030 FOR DRAWING INSTRUCTION.

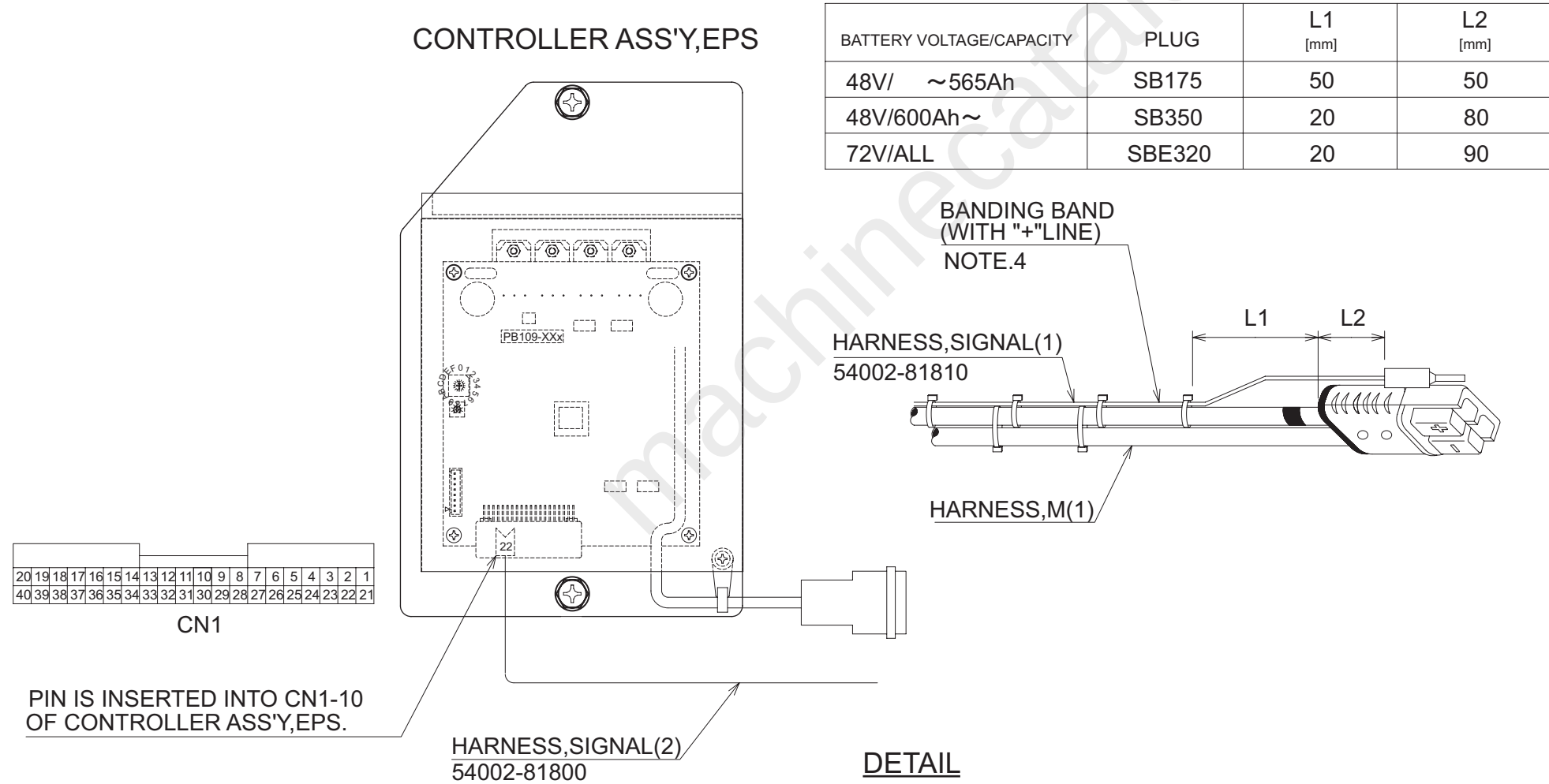
4. HARNESS, SIGNAL(1)(2) ARE FIXED TO HARNESS, M(1) AND HARNESS, BODY BY TYING BAND AT APPROPRIATE INTERVALS AND LAID IN TRUCK BODY. FOR DETAILS, REFER TO ILLUSTRATION.

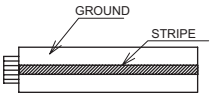
<SETTING>

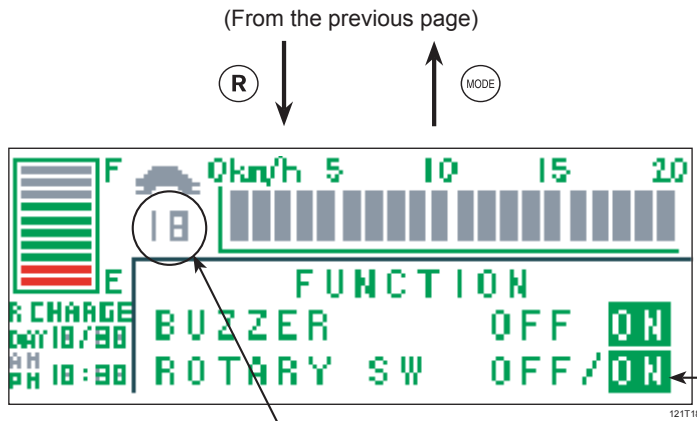
1. SET ROTARY SWITCH OF CONTROLLER ASS'Y, EPS TO '1'.

2. SELECT 'BATTERY ELECTROLYTE LEVEL SYMBOL' BY 'M' OR 'R' BUTTON OF MODE SELECT SWITCH AND SET 'ON' BY '+' OR '-' BUTTON.

3. RETURN ROTARY SWITCH OF CONTROLLER ASS'Y, EPS TO '0'.



HARNESS COLOR						 Ex. 'BKWH' = GROUND:BLACK, STRIPE:WHITE
BK	BLACK	YE	YELLOW	BN	BROWN	
WH	WHITE	GN	GREEN	BU	BLUE	
RD	RED					



The rotary switch No. flashes

Rotary switch mode setting flashes.

- Set by pressing or button (OFF/ON)

ON : Normal

OFF : Disable the rotary switch RS on the EPS controller.

You change the setting with the mode select buttons.

Press or button while pressing the mode button to electrically change the position of the rotary switch.

CAUTION

- When communication with travel, hydraulic, and EPS controller (display) board is not possible (due to the problems such as disconnection), software numbers are not displayed.
- If the buzzer mode is turned OFF, among all the buzzers, only the turn signal lamp buzzer activates.
- If the rotary SW mode is set to OFF, the rotary SW on the board is disabled. Then, you can change the rotary switch position electrically by pressing or button with the button for at least 3 seconds.

Full Version Available

Mitsubishi FB20HCA1(J) Forklift Service Manual (99759-5S110)

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