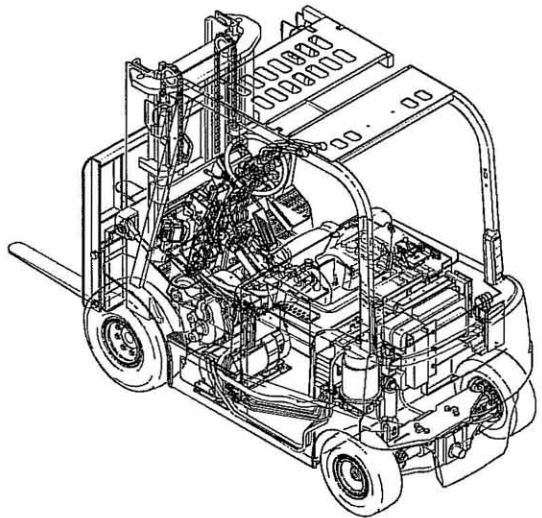


# TROUBLESHOOTING MANUAL

*Transer*

# FORCEA

## FBC20P,25P,30P-70



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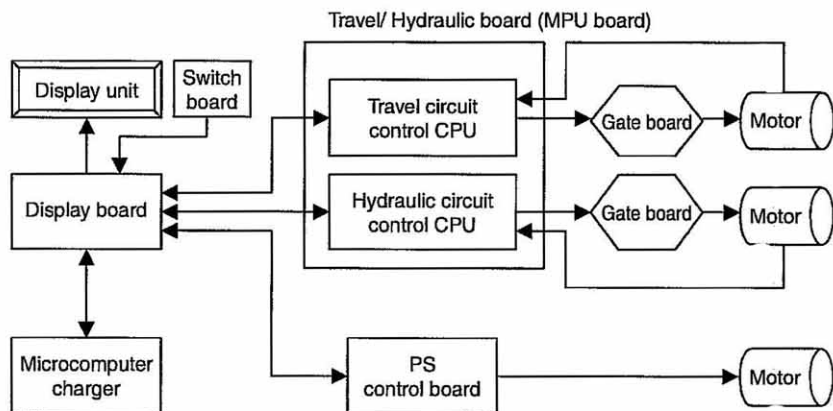
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# 1. Adjustment of SICOS-AC

## 1-1. Explanation of the MPU board

### 1-1-1. Basic control board construction

As shown in the figure below, the SICOS-AC uses the display board as the central point for connecting all other boards for the exchange of data. In addition, all control boards use a one-chip CPU (with flash ROM) as their main CPUs, so their ROM can not be removed.

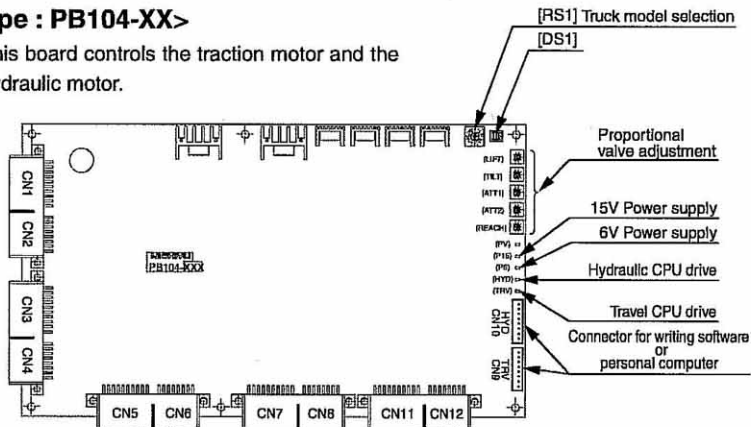


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## 1-1-2. Travel/ Hydraulic board (MPU board)

<Type : PB104-XX>

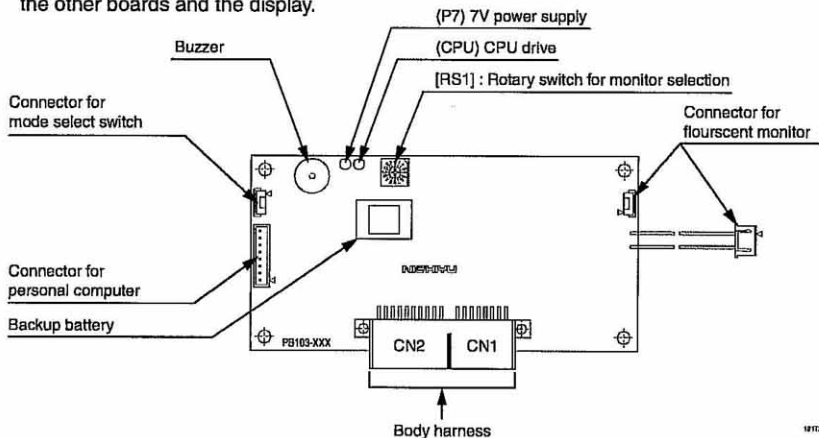
- This board controls the traction motor and the hydraulic motor.



## 1-1-3. Display board

<Type : PB103-XXX>

- This board controls both the data exchanged between the other boards and the display.



- Normal condition while turning on the key switch.

LED	Travel/Hydraulic board	Display board
P15	lighting	/
P 6	lighting	
HYD	blinking	
TRV	blinking	
P 7		lighting
CPU		blinking



In case of changing the settings for the rotary switches, be sure to turn off the key switch before changing them.

## 1-1-4. Rotary switch on the Travel/ Hydraulic board

The rotary switch (RS1) on the travel/hydraulic board is used to select forklift models. When replacing the travel/hydraulic board, be sure to refer to the table below to match it with the forklift.

● RS1 Setting forklift models.

RS1	Applicable model types
0	FBC20P
1	FBC25P
2	FBC30P
3	
4	
5	
6	
7	
8	
9	
A	
B	
C	
D	
E	
F	

● DS1(DIP Switch)

DS1 is not used.

Volume No.	Function	Remarks
LIFT (VR1)	Lift proportional control valve current adjustment	Turning the volume clockwise increases the current.
TILT (VR2)	Tilt proportional control valve current adjustment	Turning the volume clockwise increases the current.
ATT 1 (VR3)	Attachment 2 proportional control valve current adjustment	Turning the volume clockwise increases the current.
ATT 2 (VR4)	(Attachment 3 proportional control valve current adjustment)	Turning the volume clockwise increases the current.
REACH (VR5)	Attachment 1 proportional control valve current adjustment	Turning the volume clockwise increases the current.

Note: The standard board is not equipped with volumes.

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