

2. Touch Panel Calibration

Important

After replacing the main PCB or a LCD unit component, be sure to calibrate the touch panel as follows:

Applicable Parts

- Main PCB (PCB UNIT/MAIN)
- LCD ASSY
- LCD PCB (PCB UNIT/LCA1)

Preparation

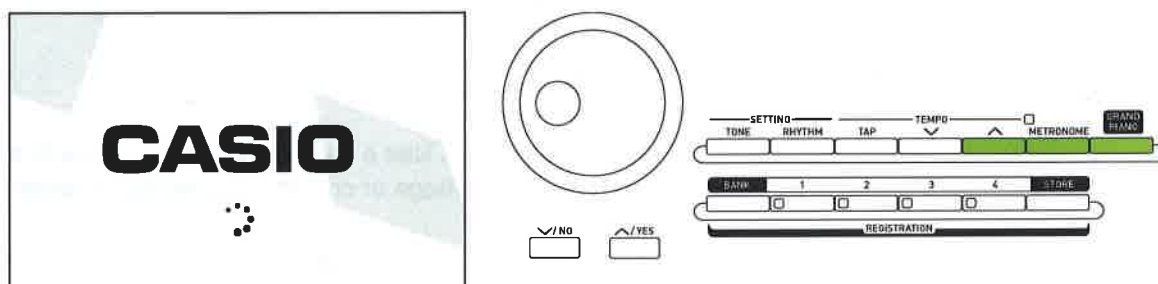
- Stylus

[REMARK] The touch panel is pressure-sensing type. Use a stylus or any other tool with a pointed end made of a material which will not damage or contaminate the touch panel surface.

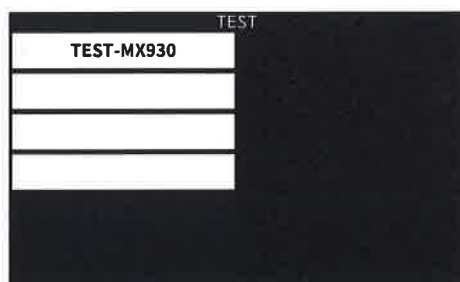
■ Calibration Procedure

- (1) Turn on the power while holding down the [TEMPO ^], [METRONOME], and [GRAND PIANO] buttons to launch the diagnostic program.

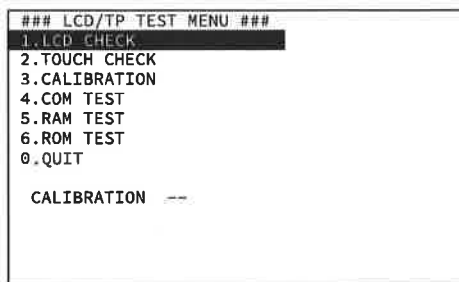
[NOTE] CASIO logo appears when the power is turned on.
Hold down three buttons until the logo appears.



- (2) After the diagnostic program is launched, the following screen appears.



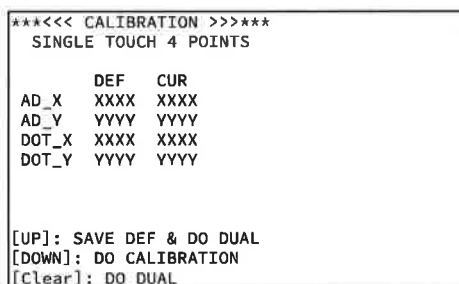
- (3) Press the [AUDIO ►/■] button to enter the LCD/touch panel mode and display the LCD/TP TEST menu.



How to operate in menu screen

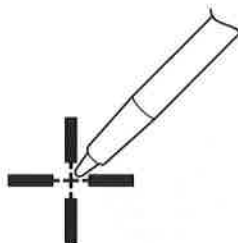
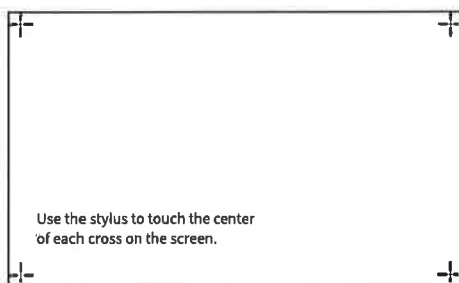
- The menu screen supports touch operations.
- To select an item, touch the item, or move the cursor to the item by using the [2] (DOWN) or [3] (UP) buttons and press the [STORE] button.
 - * Do not use items other than those described in this manual.
- To exit the LCD/touch panel mode, select [0. QUIT] in the LCD/TP TEST menu.

- (4) Select [3. CALIBRATION].
The current touch panel setting value is displayed.

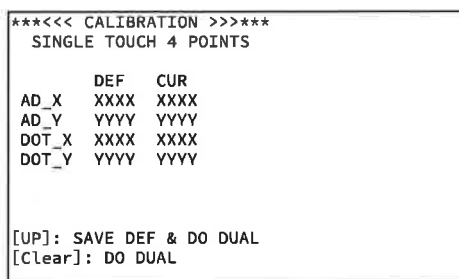


- (5) Press the [2] (DOWN) button to display the calibration screen.
- (6) Use a stylus and touch precisely on the center of the cross.
Touch all four crosses.

[REMARK] The touch panel is pressure-sensing type. Use a stylus or any other tool with a pointed end made of a material which will not damage or contaminate the touch panel surface.



- (7) After touching all four crosses, the calibration result appears.
Press the [3] button to store the calibrated values.



- (8) The current dual touch setting value is displayed.
No calibration is performed on the dual touch, so press the [3] button to return to the LCD/TP TEST menu.

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***<<< CALIBRATION >>>***
DUAL TOUCH PARAMETERS

      DEF  CUR
EVR_X  XX   XX
EVR_V  YY   YY
PXMAX  XXXX XXXX
PYMAX  YYYY YYYY

[UP]:  SAVE DEF & QUIT
[DOWN]: DO CALIBRATION

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### LCD/TP TEST MENU ###
1.LCD CHECK
2.TOUCH CHECK
3.CALIBRATION
4.COM TEST
5.RAM TEST
6.ROM TEST
0.QUIT

CALIBRATION  --

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- (9) Select [0. QUIT] to exit the LCD/touch panel mode and display the following screen.

```

TEST
TEST-MX930
LCD/TP CHECK
END

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- (10) Turn off the power to end the diagnostic program.