

JB99SI002 –03/11/2002

## Service Instruction for Installing Touch Screen onto TV monitor

### I. Removing the touch screen from the TV of JB-99RT

1. Disconnect the video RC cable, RS232 connector, and DC power adaptor from the TV.
2. Unscrew the 4 bolts holding the TV monitor to the top of JB-99RT case. Remove the TV monitor and place it upside down as shown in the Picture 1.



Picture 1.

3. Unscrew the 4 screws marked by blue circles in the Picture 2 and remove the steel plate from the bottom of the TV.



Picture 2.

4. From the backside of the TV, unscrew the 4 bolts marked by yellow circles as shown in Picture 3 and remove the back cover.



Picture 3.

5. With the back cover open, detach the touch screen control (white) box in red circle from the sidewall of the TV. Unscrew the 4 screws (shown in blue circles) holding the CRT to the TV box.



Picture 4.

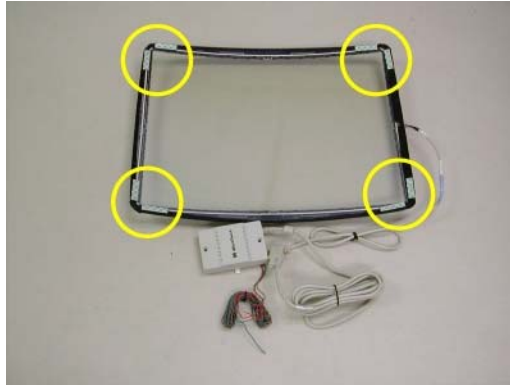
6. Slide the CRT out only from one side (the same side as the control box) as shown in Picture 5. Then gently pull out the touch screen through the gap from the TV box.



Picture 5.

## II. Installing a new touch screen to the TV of JB-99RT

1. Each touch screen will come connected to a control box which will then be connected to a RS232 connector as shown in Picture 5. Make sure the 4 corners of the touch screen as shown in yellow circles are cushioned with double-sided tapes (2 pieces per corner). However, do not peel off the back cover of the tapes.



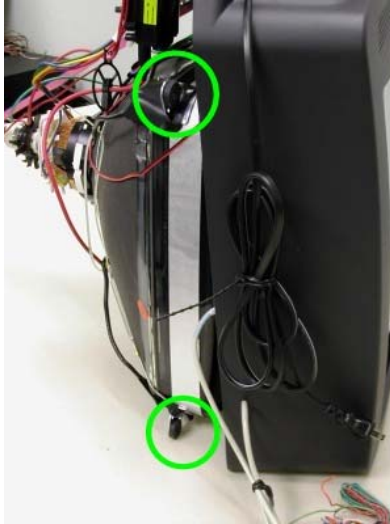
Picture 6.

2. Slide the touch screen into the front of the CRT as shown below and place it right against the inside of the front of the TV box.



Picture 7.

3. Before pushing the CRT into the TV box, attach 2 rubber washers that came with the touch screen on the inside (towards the touch screen) of the screw hole as shown with green circles in Picture 8. Be sure to attach 2 rubber washers on inside of all four corners of the CRT.



Picture 8.

4. Push the CRT into the TV box gently against the touch screen and use the 4 screws to attach the CRT to the TV box. **Be sure to use only the minimum force (torque) to tighten the screws onto the TV box. Otherwise the touch screen will crack under the pressure.**
5. Place two rows of the double-sided tape on the bottom of the touch screen control box as shown in Picture 9. Peel off the covers of the tape and attach the box to the sidewall of the TV box.



Picture 9.

6. Place the white wire coming out of the touch screen control box and going to the RS232 connector as shown in Picture 10.



Picture 10.

7. Close the back cover of the TV as shown in Picture 11. Be sure to have the protruding blade (circled in red) from the back cover go under the PCB board.



Picture 11.

8. Check to make sure that the RC jacks and the coaxial antenna connector circled in blue are properly placed through the back cover as shown in Picture 12.



Picture 12.

9. Use the 4 bolts to attach the back cover to the TV box as shown below.



Picture 13.

10. Use the 4 screws to attach the steel place on the bottom of the TV as shown below.



Picture 14.

11. Place the TV on top of JB-99RT using 4 bolts, and attach the video RC jack, RS232 connector, and DC power adaptor.

END