

Date	07 Jul 2015	Service Note #	7x00-2058	Updated	NA
Product	2500 Series sensIR 3200 symphony 7100		Created By	J. Yangco	
Description	Installation of the LCD Display Grounding Strip				

Release	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/>	Distributors	<input type="checkbox"/>	Customers
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Parts Required	Serial Numbers Affected
2500 Series Kit (Part No. 2800-0316) senIR 3200 / symphony 7100 (Part No. 2800-0317)	2500: 2501443, 2571051 and older 3200: 3201036 and older 7100: 7101415 and older

Installation of LCD Display Grounding Strip



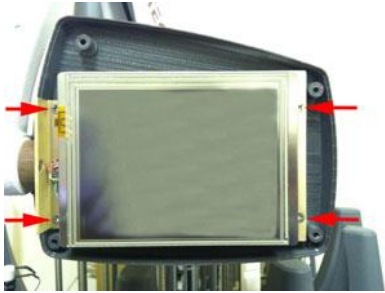
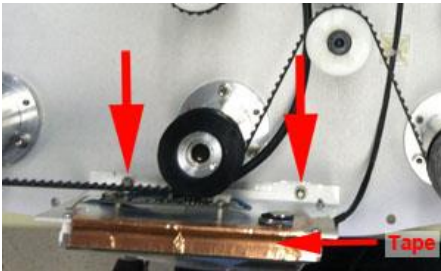
Reason: The current conductive tape that provides grounding on the LCD metal frame partially peels off overtime, causing poor grounding on the LCD display. An improved grounding strip is now available to ground the LCD metal frame to the instrument chassis.

Pre-requisite: Service Engineer or person performing this service must have proper training in servicing the instrument.

Solution / Action



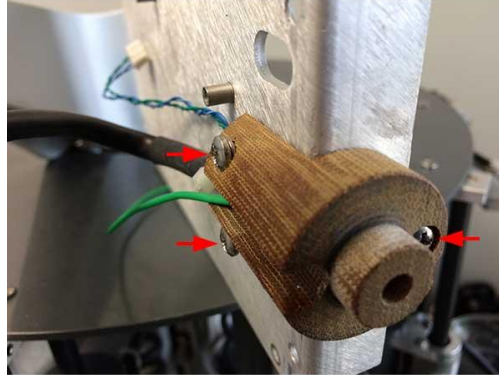
Before proceeding, discharge any static electricity from your body by touching a bare screw from the instrument. Turn off the instrument and disconnect the AC power cord.

<p>Step 1</p>	<p>2500: Remove the drive head cover. Remove the 9 screws from underneath the drive plate and the screw located on the top rear side of the cover, then raise the cover up as shown.</p> <div style="display: flex; justify-content: space-around;">    </div> <p style="text-align: center;">Screws securing the drive cover</p> <p style="text-align: center;">Lift the cover up to remove</p> <p>3200/7100: Remove the LCD cover. Remove the 4 screws located at the back of the cover and the 4 screws located on front of the LCD panel bracket as shown.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Screws securing front cover</p> <p style="text-align: center;">Screws securing the back cover</p>
<p>Step 2</p>	<p>2500: Peel back the conductive tape from the LCD display and remove the 2 screws securing the LCD display bracket as shown.</p> <div style="text-align: center;">  <p>Remove tape and screws</p> </div> <p>3200/7100: Peel back the conductive tape from the LCD display.</p>

<p>Step 3</p>	<p>2500/3200/7100: Disconnect the flat cable from the touch control board, and then remove the 4 screws that secure the LCD display as shown.</p> <p>Remove flat cable then 4 screws</p> <hr/> <p> Hold the LCD display while removing the 4 screws to prevent the display from falling off and possibly damaging the LSC display connector.</p>
<p>Step 4</p>	<p>2500/3200/7100: Carefully disconnect the back lighting (red/black wires) connection and the connector from the LCD display by pulling it out evenly as shown.</p> <p>Disconnect LCD display connector and back lighting</p>

<p>Step 5</p>	<p>2500/3200/7100: Carefully disconnect the connector from the touch control board as shown. Then remove the 2 screws securing the board. Set aside the board.</p> <div data-bbox="626 415 1125 800" data-label="Image"> </div> <p>Disconnecting the connector then remove screws</p> <p>2500: Remove the 2 screws securing the speaker. Set aside the speaker on the drive plate.</p> <hr/> <div data-bbox="354 982 444 1083" data-label="Image"> </div> <p>Be careful with the speaker wires as they are fragile.</p>
<p>Step 6</p>	<p>2500/3200/7100: Cut any tie wraps that secure the cabling.</p>
<p>Step 7</p>	<p>3200/7100: On the LCD display arm, remove the screw that secures the LCD cover adapter as shown.</p> <div data-bbox="626 1339 1125 1713" data-label="Image"> </div> <p>Remove the display arm screw</p>

Remove the 3 screws that secures the LCD display bracket as shown.



Remove the display adapter screw

Step 8 Prepare the replacement kit.

2500:

Reverse the above procedure using the replacement kit as follows:

1. Mount and connect the touch control board
2. Connect the LCD display and back lighting connectors
3. Mount the LCD display
4. Secure the cable and wires using tie wrap
5. Mount the LCD bracket
6. Reinstall the drive head cover

Step 9

3200/7100:

Reverse the above procedure using the replacement kit as follows:

1. Mount and secure the LCD display bracket.
2. Mount and connect the touch control board
3. Secure the LCD cable with tie wrap
4. Connect the LCD display and back lighting connectors
5. Mount the LCD display
6. Secure the cable and wires using tie wrap
7. Reinstall the LCD display cover



Before putting back the covers, it is advisable that the instrument be tested for proper operation.