

22-001

31 March, 2022

TROUBLESHOOTING TS1 AND TS2 TOUCHSCREEN ISSUES

I. PURPOSE:

To provide guidance on identifying the source of a touchscreen issue for a TS1 or TS2 display.

II. TOOLS:

USB Mouse

III. PARTS:

None

IV. PROCEDURE:

1. Plug in a USB mouse to either of the front panel peripheral ports and see if a cursor appears that allows you to control the instrument. If there is no mouse cursor, move to step 2. If there is a mouse cursor, move to step 4.
2. Lower the front panel and locate the interface PCA behind the display. See figure 1 for a picture of a TS1 interface PCA with touchscreen controller daughter board.
3. Check DS2 from **figure 1 part C** to see if this is lit or not. If not, re-seat the micro USB connection at J9 from **figure 1 part B** at the interface PCA, and also at the CPU being careful not to pull on the wires directly. If there is still no light, change the interface PCA.
4. If you plug in a USB mouse and get a cursor, see **figure 1 part A** for the TS1 touchscreen controller. If your interface PCA has this daughter board installed, then you have a TS1 display, and this daughter board itself has failed. If you do not have the daughter board on your interface PCA, then you have a TS2 display, and the display itself has failed.

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22-001 Rev A (DCN 8523) 3/31/2022

Page 1 of 2

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Figure 1

TROUBLESHOOTING TS1 AND TS2 TOUCHSCREEN ISSUES

22-001 Rev A (DCN 8523) 3/31/2022

Page 2 of 2

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