IP-22 Error codes 45, 46, 47, 52, 78, 97, 99 (pg 1 of 10)

EC-45: Wash Station overflow

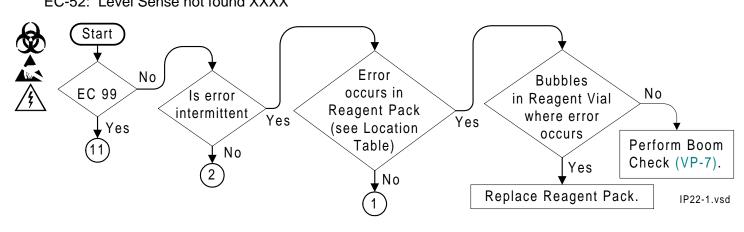
EC-46: Liquid level too high

EC-47: Reagent insufficient/empty XXXX EC-52: Level Sense not found XXXX

EC-78: No Sample/Reagent found XXXX

EC-97: Level Sense range error XXXX

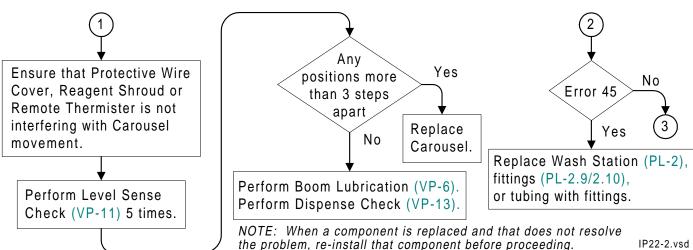
EC-99: Level Sense hardware error



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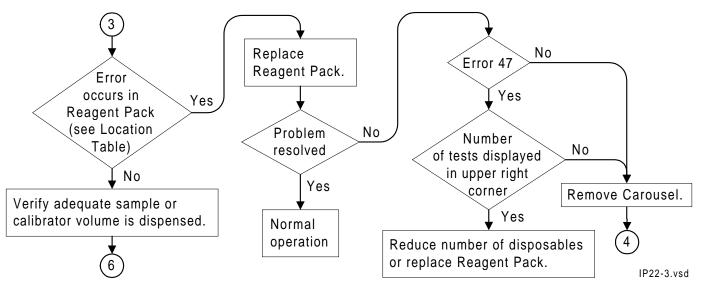
IP-22 (pg 2 of 10)



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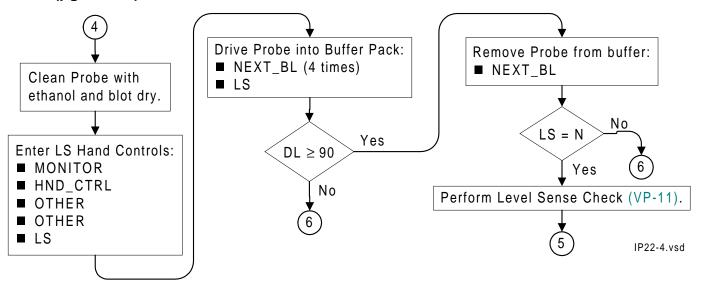
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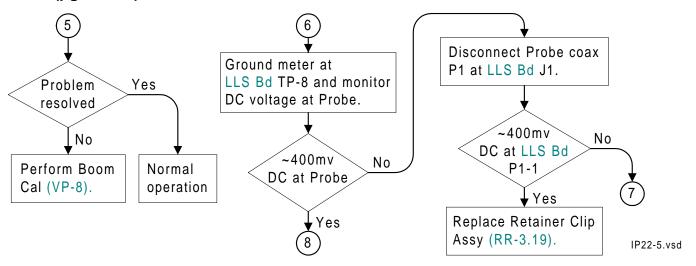
IP-22 (pg 4 of 10)



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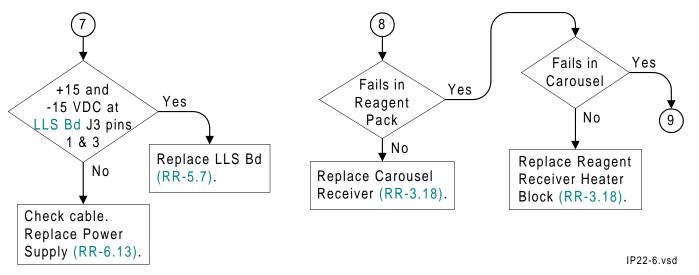
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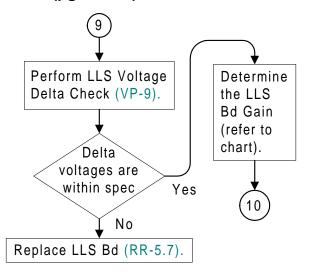
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Determine the LLS Board Gain:

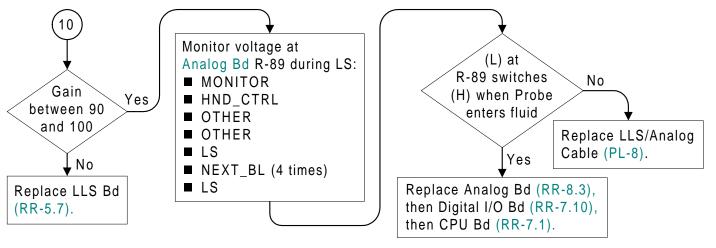
- 1. On the LLS Board move the jumper JU-1 from NOR to CAL.
- 2. Connect the positive lead of the multimeter to TP2 and the ground lead to TP8. Record the voltage (VDC) to the third decimal point if possible.
- 3. Press and hold the SWI switch on the LLS Board with a non-conductive object for 10 seconds.
- Calculate the gain:
 GAIN = (Step 3 voltage Step 2 voltage) * 28.28427
 The gain should be between 90 and 100.
- 5. Remove the multimeter.
- 6. Reset JU-1 from CAL to NOR.

IP22-7.vsd

2 Troubleshooting IP-22: Error codes 45, 46, 47, 52, 78, 97, 99 2 - 96 LCx[®] Analyzer Service Manual (Text P/N 47278-102)

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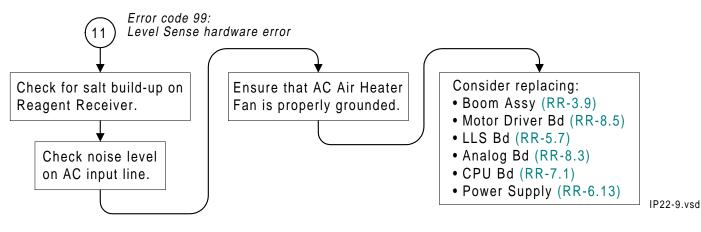


IP22-8.vsd

2 Troubleshooting IP-22: Error codes 45, 46, 47, 52, 78, 97, 99 2 - 97 LCx[®] Analyzer Service Manual (Text P/N 47278-102)

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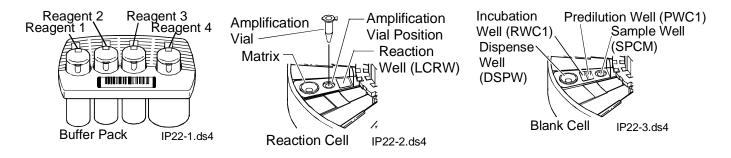
2 Troubleshooting IP-22: Error codes 45, 46, 47, 52, 78, 97, 99 2 - 98 LCx[®] Analyzer Service Manual (Text P/N 47278-102)

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Location Table

| XXXX Location | XXXX Location | XXXX Location | XXXX Location |
|---------------|-----------------|-------------------------|-----------------------------|
| PARK Park | RGT 4 Reagent 4 | MTRX Matrix | DSPW Dispense Well |
| | RGT 3 Reagent 3 | VIAL Amplification Vial | RWC1 Reaction Well (1) |
| | RGT 2 Reagent 2 | LCRW Reaction Well | PWC1 Predilution Well (1) |
| | RGT 1 Reagent 1 | | SPCM Sample Well (Specimen) |



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