

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

EC-45: Wash Station overflow

EC-78: No Sample/Reagent found XXXX

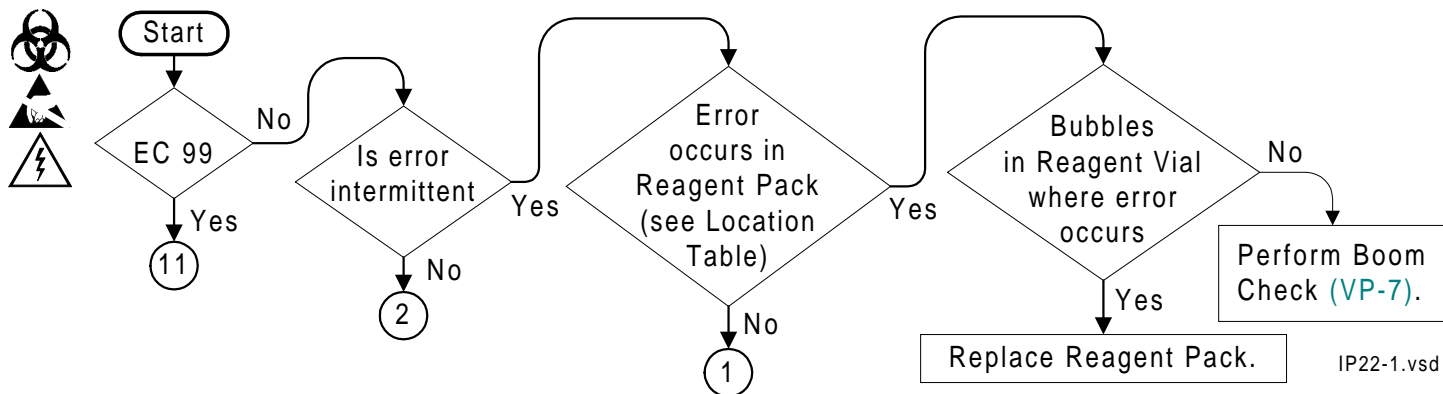
EC-46: Liquid level too high

EC-97: Level Sense range error XXXX

EC-47: Reagent insufficient/empty XXXX

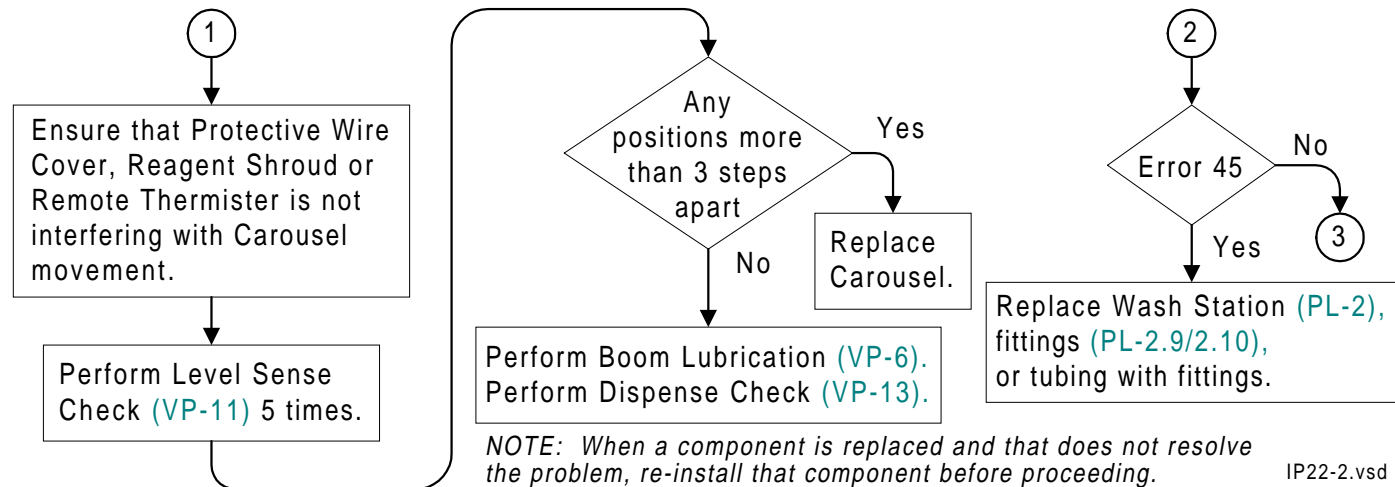
EC-99: Level Sense hardware error

EC-52: Level Sense not found XXXX

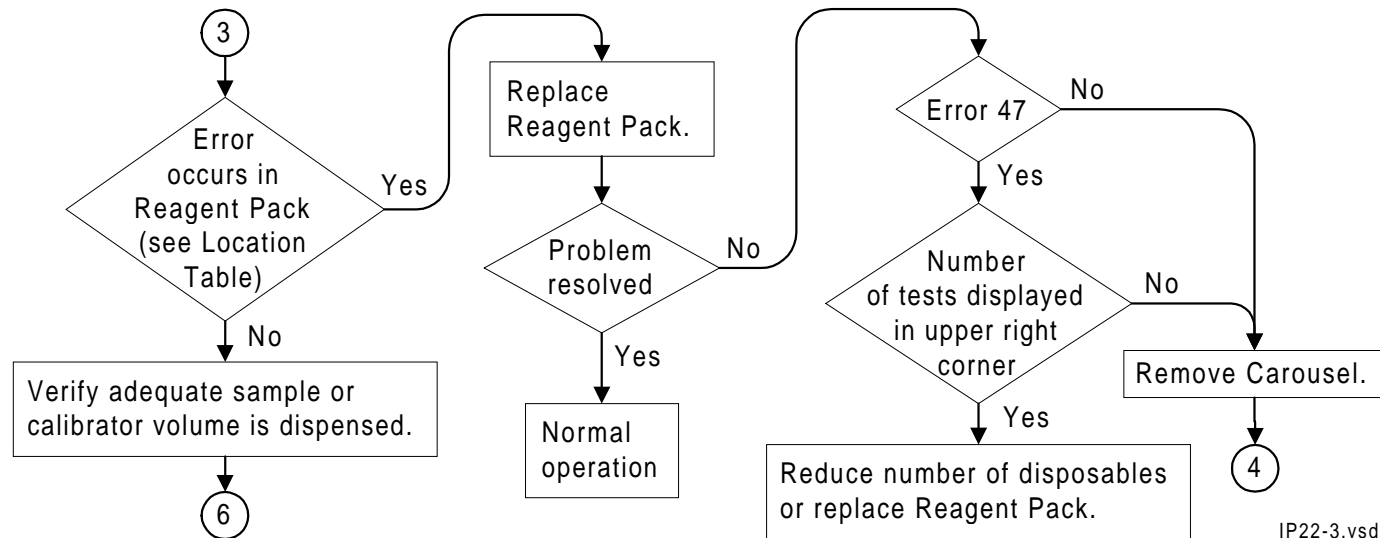


IP22-1.vsd

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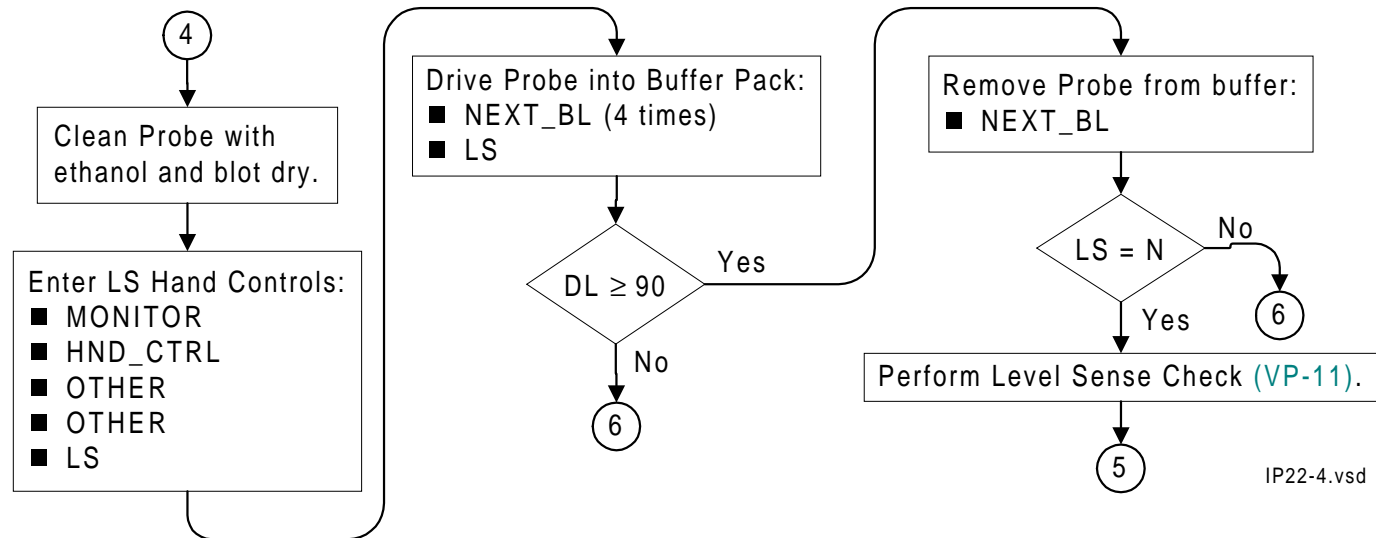


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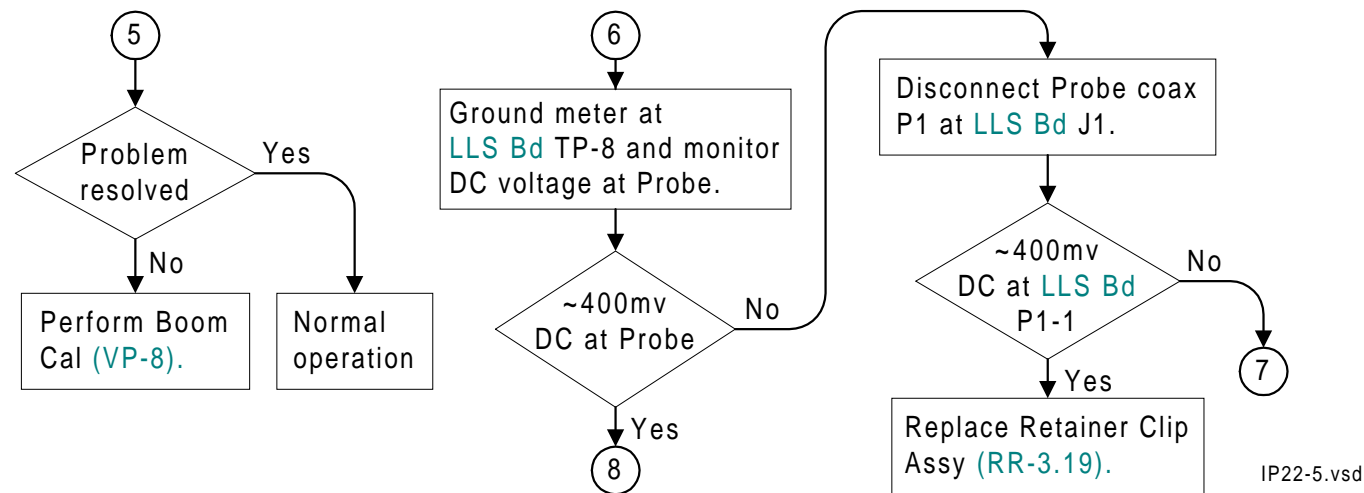
IP22-3.vsd

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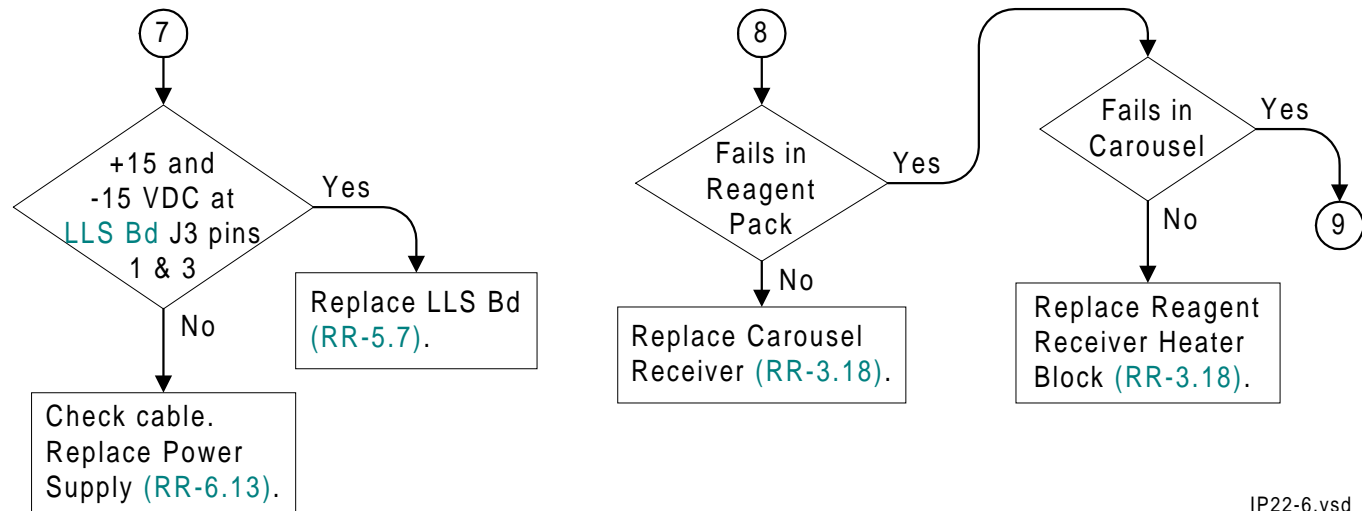
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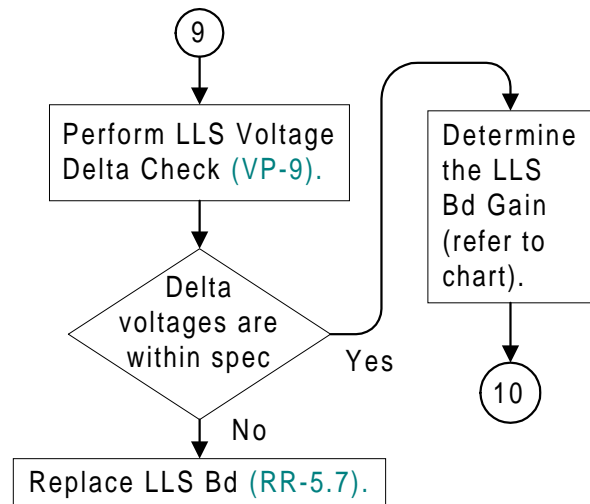
IP22-5.vsd

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IP22-6.vsd

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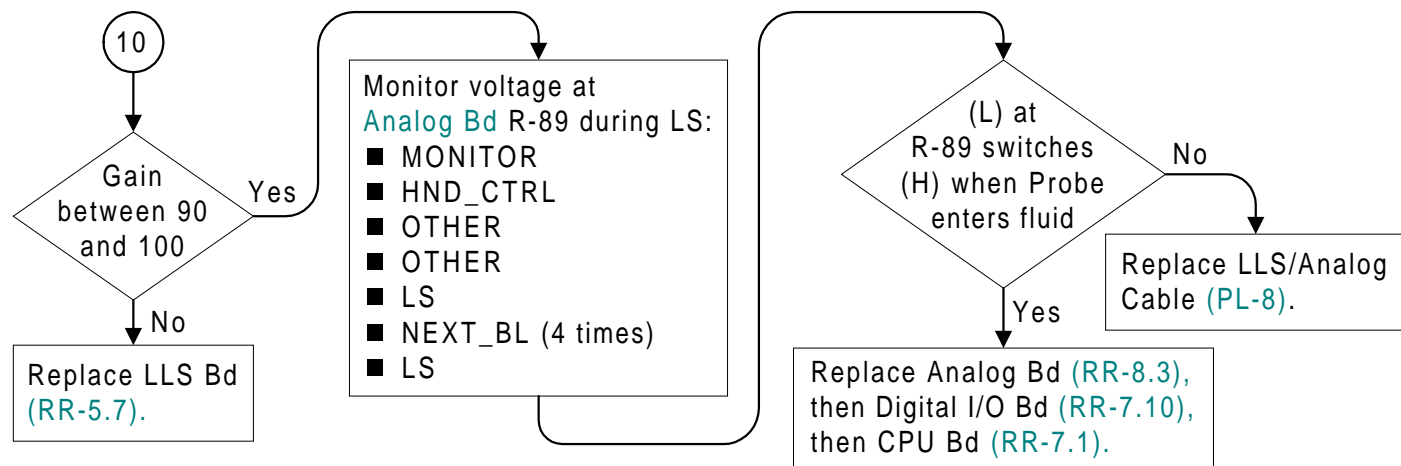
Determine the LLS Board Gain:

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.
4. Calculate the gain:

$$\text{GAIN} = (\text{Step 3 voltage} - \text{Step 2 voltage}) * 28.28427$$
 The gain should be between 90 and 100.
5. Remove the multimeter.
6. Reset JU-1 from CAL to NOR.

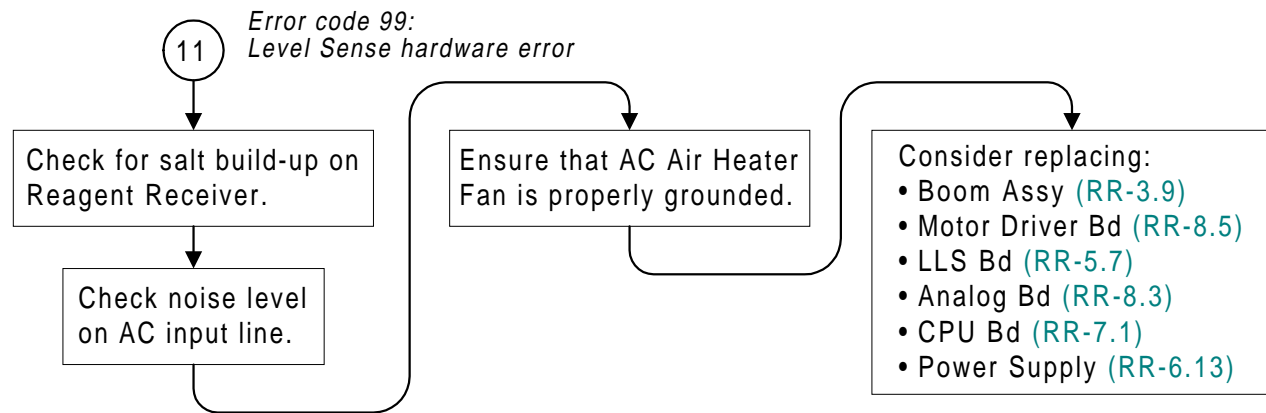
IP22-7.vsd

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IP22-8.vsd

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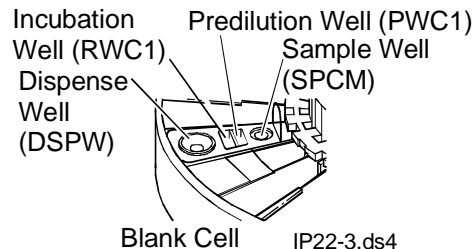
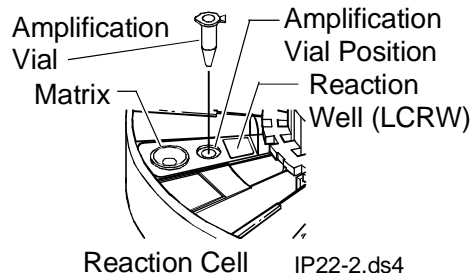
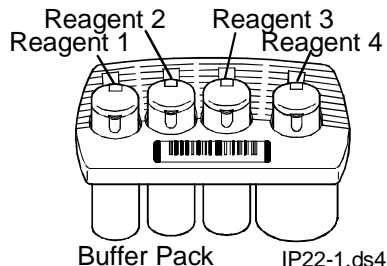


IP22-9.vsd

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Location Table

<u>XXXX Location</u>	<u>XXXX Location</u>	<u>XXXX Location</u>	<u>XXXX Location</u>
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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