

Pre Plane Assembly Summary

Panel No	Plane No	Cleaned/ Prepped	Blocked straws	Missing wires	Missing wires confirmed	PFN & std. off epoxy	Ear install	Ear leak test	Prep Finished	Panel pre cissy gas leak test
* MN 104		✓	none			✓	grey ✓ clean ✓	✓		✓
Repairs	<ul style="list-style-type: none"> added epoxy to both middle ribs replaced PP and brass rings on 17, 31, 43 removed wire under PP for 43 on right side, removed pigtail from 31 Cal side replaced Ω clips 4/21/23 cleaned 17, 31, 52, 53, 74, 78, 90 Trimmed epoxy above jumper connector on CAL side, fits now 									
HV issues	<ul style="list-style-type: none"> Ω piece cathode missing at ch0, Ch41 wire 31 short 43 short; gas leak at DMB cold side Ω piece ch0, 1, 2, 3, 8, 9, 11, 22, 15, 16 touch together <p>Fe55 test - ✓ HV test - ✓ gain test - ✓</p>									
Notes	<ul style="list-style-type: none"> Air test for blocked straws - ✓ DMB gap test w/ 5mil Kapton + Air - ✓ Backside pfn check - ✓ ear flooding - ✓ * see additional notes in panel DB Had epoxy in the ear slot 									

	wire 31	wire 43	wire 17
R anode-cathode	133 Ω	126.3 Ω	142.9
R cathode-cathode HV side	170 Ω	168.2 Ω	241 Ω
R cathode-cathode Cal side	4.3 Ω	2.7 Ω	11.5 Ω

After 1st repair:

- wire 17, 31 short
- Ω piece ch0 cal side missing
- wire 74, 90, 78 high current
- wire high current at cathode ch26

No pass AC test 11/27/2023

MN 104

- Ω piece ch0, 1, 2, 3, 8, 9, 22, 15, 16 touch together
- need to replace 12/18/2023

After 2nd repair:

- wire short: 17
- pass AC test