

Pre Plane Assembly Summary

Panel No	Plane No	Cleaned/ Prepped	Blocked straws	Missing wires	Missing wires confirmed	PFN & stnd. off epoxy	Ear install	Ear leak test	Prep Finished	Pre-Assy gas leak test
MN042	• 35		• 8			• ✓	grey ✓ clear ✓	✓		• ✓
Repairs	<ul style="list-style-type: none"> need to clear 0, 1, 2, 3, 4, 6, 55, 73 blocked straws need to epoxy stay bolt standoffs → done. added epoxy to middle rib left side Can't clear 55 due to too much epoxy being in the termination Cleaned 0, 2, 4, 80 open vectra repair on wire #2, passed resistance measurements 						<ul style="list-style-type: none"> wire 83 replaced 8/6/24 reepoxied PFN #1 & #2 9/18/24 due to large break 			<ul style="list-style-type: none"> passed LT post PFN re-epoxying
HV issues	<ul style="list-style-type: none"> wire 83 broken, R cathode - anode cal side = 55Ω gas leak at DM3B connector HV side → repair OK wire 80 spark inside straw HV test OK gas test OK FET test OK <p>+ blocked straw at ch 27 (wire 55)</p> <p>+ need to clean termination of straw at cathode channel 0, 1, 2</p> <p>+ poor ac test but need to re-paint blocked straw and clean termination of straw</p>					<ul style="list-style-type: none"> After 1st repair: + wire 83 broken + wire 2 no HV at cal side 			<ul style="list-style-type: none"> wire 80 spark + straw 55 blocked + poor ac test but need to repair 	
Notes	<ul style="list-style-type: none"> no DM3B - DM3B installed 11/3/23 tape residue on backside of panel → cleaned off backside PFN check ✓ air block test ✓ RTV on baseplate earficing ✓ Plane 35 deconstructed 10/9/24, reconstructed 10/10/24 					<ul style="list-style-type: none"> After 2nd repair: + wire 2 is OK + wire 83 broken + wire 80 spark + wire 55 blocked + poor ac test 				

MN042, 28 Aug, 2024 •

• Kapton-dots: 6, 7, 32, 33, 48, 49,
70, 71, 80, 81, 84, 85, 88, 89, 90,
91

• Blocked straw: 55 (~~55~~)

Fe⁵⁵ ✓ Gain ✓ HV ✓