

CLEANING, POLISHING AND CHECKING OF:

	DONE	COMMENTS
Whenelt Cap		
Check filament height		
Whenelt positioning		
Gun Area and ceramic cond.		
Grease dynamic O-rings		
Apertures (TOP 500 MICRON MIDDLE 500 MICRON)		
Clean Column Liner		
Final Aperture (200 MICRON)		
Check SE Det. for damage		
Check BSD detector for damage		
Check Bullet for damage (thread)		
Check column liner o-ring		
Clean ED Det. for oil (clean with Petroleum/Ether)		
Check ion trap / collimator		
Check door & gun O-rings		
Stage Movement (Remove sample holder!)		
Test limit switches on stage		
Check for excess dirt grease on stage		
Clean chamber		
Check / Change RV oil		
Clean Penning gauge		
Clean desk and console		
Clean Column shell		
Clean KeyB and mouse ball		
Check for noisy/failed fans		
Replace blown bulbs		

OPERATIONAL CHECKS

	GOOD	COMMENTS
Vacuum performance (Pump down time)		
Saturate filament		
Align filament		
mechanical tetrode alignment		
tetrode alignment		
Column alignment		
Condenser alignment		
Final lens		
stigmator		
Stage rotation centre		
Check filament stability		
Image @ 80Kx, 25Kv		
EDS Cu Al peak positions		Cu K: L: Al K:
Pc date and time		
Scan disk and defrag		
Remove temp files		
Ghost Hard drive		

GENERAL COMMENTS.

SIGNATURE

SERVICE ENGINEER

CUSTOMER

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