

Install upper heat shield (bolt & rivet)	Being struck by an object, such as a tool or flying debris	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, barriers, check tool/equipment condition prior to use	N	1	2	2	2	8								
Install nitronic rods to support RF cavity (bolt)	Cuts or scrapes from a tool slipping or from sharp edges on material	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning	N	1	2	2	2	8								
Lift cavity with crane	For crane use by C-AD staff see JRA19-06															
Manually remove lower support tooling out from under cavity	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Training, certified equipment, PPE as required, limited to manual lift weight limit or load carrying limit of equipment, postings, Tier 1 inspections, procedures, specific back-injury prevention training, work planning, certified riggers if required.	N	1	4	1	2	8								
	Being struck against an object while manually handling the load	Housekeeping rules, maintenance of walking/working surfaces, proper selection of PPE (e.g.: slip resistant safety shoes, work gloves), use of portable lighting to increase visibility at the job site, work planning	N	2	4	2	2	32								
Complete heat shield installation (screw, bolt, rivet)	Cuts or scrapes from a tool slipping or from sharp edges on material	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, check tool/equipment condition prior to use	N	1	2	2	2	8								
Move magnetic space shield and lower cryostat using crane	For crane use by C-AD staff see JRA19-06															
Install magnetic space shield and lower cryostat (Note: assembly set in cradle – never working on suspended load)	Cuts or scrapes from a tool slipping or from sharp edges on material	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, check tool/equipment condition prior to use	N	1	2	2	2	8								
Put assembly into tooling cradle and Remove strong back and upper cradle	For crane use by C-AD staff see JRA19-06															
Build up upper magnetic shield (screw, bolt, rivet)	Cuts or scrapes from a tool slipping or from sharp edges on material	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, check tool/equipment condition prior to use	N	1	2	2	2	8								

	Eye exposure to UV light, eye exposure to visible light	Hazard-specific safety eyewear (proper tint and wavelength) such as safety goggles which fit up against the face with no gaps (as opposed to having gaps with safety 'glasses'), and which block UV and visible light but still allow individual to see to work area; work planning, barriers.	N	1	2	2	2	8								
	Burns	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, working in designated "safe" area, barriers	N	1	2	2	3	12								

Further Description of Controls Added to Reduce Risk:

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable