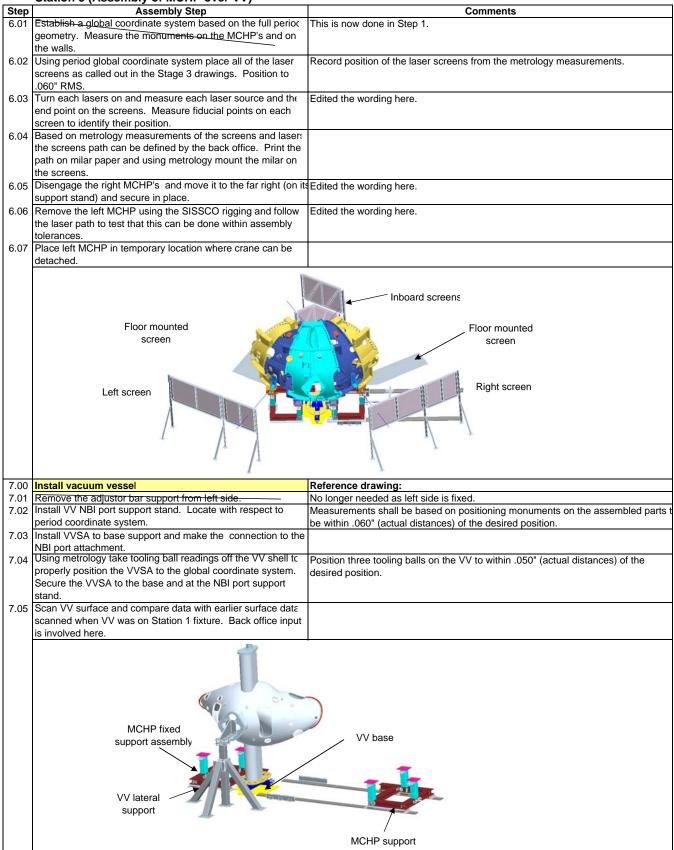
.01 V a S Ir .02 Ir .03 Ir .03 Ir .03 Ir .04 U .05 Ir .06 Ir .06 Ir .07 Ir h R .07 R	Pre-Installation set-up Work with back office to transfer CAD models that establishes a global coordinate system for Station 3 based on the Stellarator Core coordinate system. Install Station 3 site monuments as needed to perform metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for horizontal positioning on both support stands.	metrology procedure covering Station 3:         Two coordinate systems must be established. One that defines the full period a one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right.         Grout beneath floor tracks as required.         DO NOT NEED TO LOCATE CG         Monuments on the cart shall be within .060" (true distance) of their desired position.
a S .02 Ir n .03 Ir a 3 .04 U .05 Ir a V .06 Ir a V .07 Ir h .08 R	a global coordinate system for Station 3 based on the Stellarator Core coordinate system. Install Station 3 site monuments as needed to perform metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	Two coordinate systems must be established. One that defines the full period a one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
.02 Ir n .03 Ir .03 Ir a .04 Ir .05 Ir a V .06 Ir a V .07 Ir h 0.08 R	Stellarator Core coordinate system. Install Station 3 site monuments as needed to perform metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
.02 Ir n .03 Ir .03 Ir .04 Ir .05 Ir .06 Ir .06 R .07 h .08 R	Stellarator Core coordinate system. Install Station 3 site monuments as needed to perform metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
02 Ir n 03 Ir 3 04 U 05 Ir 06 Ir 06 Ir 07 Ir h 08 R	Install Station 3 site monuments as needed to perform metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
n 03 Ir 3 04 U 05 Ir 06 Ir 06 Ir 07 Ir h 07 R	metrology measurements. Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	one used for initial positioning and measuring the right MCHP when the support cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
03 Ir a 3 U 04 U 05 Ir 06 Ir 06 Ir 07 Ir h 07 R	Install floor mounted tracks and the VV base support. The alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	cart is moved to the far right. Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
a 3 04 05 1r 06 1r 07 4 07 1r 07 8 8 8 8 8	alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	Grout beneath floor tracks as required. DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
a 3 04 05 1r 06 1r 07 4 07 1r 07 8 8 8 8 8	alignment accuracy for these parts with respect to the Station 3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	DO NOT NEED TO LOCATE CG Monumemts on the cart shall be within .060" (true distance) of their desired
3 04 U 05 Ir 06 Ir 06 Ir 07 Ir 07 R	3 coordinate system is .050" RMS. Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	Monumemts on the cart shall be within .060" (true distance) of their desired
.04 U .05 Ir .06 Ir .07 Ir .07 R	Use rigging operations to establish the MCHP CG location. Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	Monumemts on the cart shall be within .060" (true distance) of their desired
.05 Ir .06 Ir .07 Ir .07 R	Install MCHP left support stand. Position to .060" RMS. Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	Monumemts on the cart shall be within .060" (true distance) of their desired
.06 Ir a V .07 Ir h .08 R	Install the MCHP right support stand; verify the cart motion and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	
a V .07 Ir h .08 R	and then move to the far right. Position the AirLoc Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	
07 Ir .07 R .08 R	Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	position.
07 Ir .07 R .08 R	Wedgemount in a lowered position. Install alignment brackets, jack screws and dial indicators for	
.07 Ir h .08 R	Install alignment brackets, jack screws and dial indicators for	
h .08 R	<b>e</b>	Brackets are similar to the system used for alignment in Station 2
.08 R		
	Reconfirm Leica position used for measuring each MCHP	
Li.		
	arget alignment monuments.	
		Anti tip weldment (below
		right support)
		MCHP track
	Left MCHP support	、 、
	bolted to floor	
		VV base support
.00 <b>F</b>	Pre-assemble left MCHF	Reference drawing:
.01 lī	nstall MCHP left support stand.	Moved up to Step 1.05
	Verify cart motion. Move left cart to final assembly position tc	
	accept left MCHP and secure to the floor supports. Move right	
	cart far to the right.	
		No los servicios de desente fuerido
03 Ir	nstall adjustor bar support weldment on Left Side	No longer needed on left side.
.04 U	Using the SISSCO rigging and the base support lateral	All three monuments shall be within .010" (actual distances) of the desired positi
	adjustment system (similar to approach used in Station 2),	
	position left MCHP over the left support with respect to the	
	period global coordinate system.	
	While held by the SISSCO rigging bring the AirLoc	
	Wedgemount leveler up to take the load. Secure left MCHP at	
	three location to vertical support posts on support base.	
		All monuments shall be within .010" (actual distances) of the desired position. If
v	with respect to the period global coordinate system.	this criterion is not met, review with back office and if directed disengage
L		Wedgemount and repeat Step 2.04.
.07 S	Set the positioning stop on the cart so it returns to the machine	Left support is now in a fixed position.
с	coordinate defined position in further assembly steps.	
08 1	Measure the Type-A and Type-C end flanges while standing ir	
	the vertical position.	
	Allow time for the back office to review the metrology data	
tł		lies a thin aquivalant washer of the nucle diameter (or some other method) to
tł .09 A	Using the Type-A (A-flange) inboard shim template mark the	Use a thin equivalent washer of the puck diameter (or some other method) to
.09 <u>A</u> .10 U		provide a positional "feel" to allow measuring puck height in the A -B installed
.09 <u>A</u> .10 U n	nose shim locations and puck locations. Remove the	the second se
.09 <u>A</u> .10 U n	nose shim locations and puck locations. Remove the template.	position. Attach the locating ring to the outside of the flange.
.09 <u>A</u> .10 U n		position. Attach the locating ring to the outside of the flange.
.09 <u>A</u> .10 U n		position. Attach the locating ring to the outside of the flange.
.09 <u>A</u> .10 U n		position. Attach the locating ring to the outside of the flange.
.09 <u>A</u> .10 U n		position. Attach the locating ring to the outside of the flange.
.09 <u>A</u> .10 U n		position. Attach the locating ring to the outside of the flange.

Step	Station 3 (Assembly of MCHP over VV) Assembly Step	Comments
	AirLoc Wedgemount	MCHP Left side MCHP support cart assembly
	bolt on spherical seat	
	precision leveler	
	Pre-assemble right MCHP Move the right support cart in the far right location, and	Reference drawing: Monumemts on the cart shall be within .060" (true distance) of their desired
	position it with respect to the second global coordinate system	
	Secure support cart in place.	
3.02	Using the SISSCO crane and the base support lateral	
	adjustment system (similar to approach used in Station 2),	
	position right MCHP over the right support with respect to the	
	right global coordinate system.	
	While held by the SISSCO rigging bring the AirLoc	
	Wedgemount leveler up to take the load. Secure left MCHP to	
	the support base.	All three meanings to shall be within OdON (actual distances) of the desired positi
	the right global coordinate system.	All three monuments shall be within .010" (actual distances) of the desired position If the criterion is not met, review with back office and if directed disengage
	the light global cooldinate system.	Wedgemount and repeat Step 3.04.
3 05	Measure the Type-A and Type-C end flanges while standing ir	•
	the vertical position.	
	Allow time for the back office to review the metrology data.	
	Using the Type-A (A-flange) inboard shim template mark the	
	nose shim locations. Remove the template.	
	Based on flange surface measurements of left and now right MCHP Type-A mating flanges define all outboard shim thickness.	Hopefully this is a verification check of the "A" flanges measured at the end of Station 2.
3.09	If new shims are needed fab them and or compress alumina	
	coated shims and sort by thickness the shim set that will be	
	installed on the A/A interface.	
4.00	Pre-assemble left and right MCHP; Install nose shims	Reference drawing:
4.01	Place an initial set of alumina shims (4-8) on the left side Type	Local platforms will be needed to secure initial shim set on left MCHP.
	A MCHP in designated locations for the initial alignment of the mating coil. Temporarily secure the shims in place.	
4.02	Using the SISSCO rigging remove the right MCHP from the	
	right support stand and move the support cart to the period	
	installed position next to the Left MCHP. Secure in place.	
	Using the SISSCO rigging and the base support lateral	All three monuments shall be within .010" (actual distances) of the desired position
	adjustment system (similar to approach used in Station 2), position right MCHP over the right support with respect to the	If the criterion is not met, review with back office and if directed disengage Wedgemount and repeat Step 4.03.
	period global coordinate system. While held by the SISSCO rigging bring the AirLoc	
	While held by the SISSCO rigging bring the AirLoc Wedgemount leveler up to take the load. Secure right MCHP to the support base.	
		All monuments shall be within .010" (actual distances) of the desired position. If t
	measure the target monuments on left MCHP with respect to	
4.05	Measure the target monuments on left MCHP with respect to the period global coordinate system.	criterion is not met, review with back office to see how we proceed.
4.05 4.06	the period global coordinate system. Install temporary scaffolding to install flange hardware	
4.05 4.06 4.07	the period global coordinate system.	

4.10 After the I 2.3.7 4.11 Mea the p Use 4.12 Unfa MCF 4.13 Rect still v all le	Assembly Step ke a hand "wiggle" test (rotate on bolt) on all shims to make e that they are tight. If a loose shim is found back off on ficient adjacent bolts to allow a replacement shim to be erted. Tighten bolt . er tightening, measure the position of all monuments per Dimensional Control Plan, following steps 2.3.3 through .7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations. e the data to define each puck height.	Comments All monuments shall be within .010" (actual distances) of the desired position. If the criterion is not met, review with back office to see how we proceed.
4.10 After the I 2.3.7 4.11 Mea the p Use 4.12 Unfa MCF 4.13 Rect still v all le	e that they are tight. If a loose shim is found back off on ficient adjacent bolts to allow a replacement shim to be erted. Tighten bolt . er tightening, measure the position of all monuments per Dimensional Control Plan, following steps 2.3.3 through .7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	All monuments shall be within .010" (actual distances) of the desired position. If the
4.10 After the I 2.3.7 4.11 Mea the p Use 4.12 Unfa MCH 4.13 Rect still v all le	ficient adjacent bolts to allow a replacement shim to be erted. Tighten bolt . er tightening, measure the position of all monuments per Dimensional Control Plan, following steps 2.3.3 through .7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	
4.10 After the I 2.3.7 4.11 Mea the p Use 4.12 Unfa MCF 4.13 Rect still v all le	erted. Tighten bolt . er tightening, measure the position of all monuments per Dimensional Control Plan, following steps 2.3.3 through .7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	
4.10 After the I 2.3.7 4.11 Mea the p Use 4.12 Unfa MCH 4.13 Rect still v all le	er tightening, measure the position of all monuments per Dimensional Control Plan, following steps 2.3.3 through 7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	
4.11 Mea the p Use 4.12 Unfa MCH 4.13 Rect still v all le	Dimensional Control Plan, following steps 2.3.3 through 7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	
4.11 Mea the p Use 4.12 Unfa 4.13 Rect still v all le	.7. asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	criterion is not met, review with back office to see how we proceed.
4.11 Mea the p Use 4.12 Unfa MCH 4.13 Rect still v all le	asure the shim puck height (at a number of points around puck surface) at each of the nose shim puck locations.	
4.12 Unfa 4.13 Rect 4.13 Rect still v all le	puck surface) at each of the nose shim puck locations.	
4.12 Unfa 4.13 Rech 4.13 Rech still v all le	. ,	
4.12 Unfa MCH 4.13 Rech still v all le	e the data to define each blick heidht	
4.13 Rech still v all le		
4.13 Rech still v all le	asten all bolts, remove local platforms and roll the right	
still v all le	HP to the far right position.	Use the template markings of Step 2.10 to position nose shims.
all le	within alignment, remove puck locating ring and then weld	Use the template markings of Step 2. To to position hose shifts.
	eft MCHP Type-A flex shims to the plasma side of the Type	
	ange, following the weld sequence plan.	
	er welding the left MCHP nose shims recheck alignment to	The acceptance criterion is .005" RMS deviation in alignment to the set of tooling
	ermine if the part still meets the metrology acceptance	balls.
	erion.	
		If Control Plan acceptance criterion is not met project input is needed to determine
	t after welding.	how to proceed.
	asure the right MCHP fiducials to establish a reference	
	ordinate system prior to welding the nose shims.	
	h the successful left MCHP weld operation, weld all the	
	t MCHP Type-A, A-flange (datum D) flex shims to the	
	sma side, following the weld sequence plan.	
	er welding the right MCHP nose shims recheck the part to	The acceptance criterion is .004" RMS deviation in alignment to the set of tooling
	ermine if it still meets the metrology acceptance criterion.	balls. Consult Dimensionl Control if this criterion is not met.
4.19 Time	he needs to be allocated for a back office assessment of the	If Control Plan acceptance criterion is not met project input is needed to determine
part	t after welding.	how to proceed.
M	MCHP Left Side	Side HP lift fixture
5.01 Usin	assemble left and right MCHP ng the SISSCO rigging remove the right MCHP from the t support stand and move the support cart to the period	Reference drawing:
	alled position next to the Left MCHP. Secure in place.	
	ng the SISSCO rigging and the base support lateral	Using three selected monuments on the right MCHP, the positional alignment shall
posit	ustment system (similar to approach used in Station 2), sition right MCHP over the right support with respect to the iod global coordinate system.	be within .010" RMS
	ile held by the SISSCO rigging bring the AirLoc	
	dgemount leveler up to take the load. Secure right MCHP	
	he support base.	
	asure the target monuments on left MCHP with respect to	All three monuments shall be within .010" (actual distances) of the desired position
	period global coordinate system.	
the p		
the p 5.05 Bond	nd all inboard shim pucks to the right MCHP Type-A, side ange (datum D).	



Step	Assembly Step	Comments
2 00	Install right MCHP over VV	now dealing with right side first
		This activity could be done in Station 1.
0.01	right side) before manipulating right MCHP over the VV.	
8.02		MCHP and cart should already be on the right side
	interfere with the MCHP installation. Position the AirLoc	, ,
	Wedgemount in a lowered position.	
8.03	Install MCHP lift fixture, disengage leveler connections and lift	now dealing with right side
	the MCHP off the right support stand. Move the right support	
	stand to its final position and secure in place.	
	Re-install the right adjustor bar	
8.05	Using the SISSCO actuators with laser guidance move the	
0.00	right MCHP over the VV.	Light three colorised monuments on the right MCHD, the positional clignment and
8.06	Using the SISSCO rigging and the base support lateral adjustment system (similar to approach used in Station 2),	Using three selected monuments on the right MCHP, the positional alignment sha be within .010" (actual distances) of the desired position.
	position right MCHP over the right support with respect to the	be within .010 (actual distances) of the desired position.
	period global coordinate system.	
8.07	While held by the SISSCO rigging bring the AirLoc	
	Wedgemount leveler up to take the load. Secure right MCHP	
	to the support base.	
8.08	Measure the target monuments on right MCHP with respect to	If the positional alignment accuracy is greater than .010" (actual distances) of the
	the period global coordinate system.	desired position. Review with back office and if directed disengage Wedgemount
		and repeat Step 8.06.
8.09		This will allow the right MCHP to be position without wing interferences.
	right 1/2".	
	Install left MCHP over VV	left side now comes second
9.01	Move the right base support cart to the far right so it will not	
	interfere with the MCHP installation. Position the AirLoc	
0 02	Wedgemount in a lowered position. Using the SISSCO actuators with laser guidance move the left	
9.02	MCHP over the VV TO WITHIN 1/2" OF ITS FINAL	
	POSITION and pause. Go to the next step.	
9.03		We will have a floor mounted system to act as an alignment stop for repositioning
0.00	<b>a</b> , <b>b</b>	the right MCHP.
9.04	With the left MCHP in place, move the right side MCHP using	You will be bring together pre-fit-up Type-A MC's with alignment bushings installe
	the CISSCO crane and position it to be ready to engage the	
	preinstalled Type-A flange guide bushings.	
9.05	Using the SISSCO rigging and the base support lateral	Using three selected monuments on the right MCHP, the positional alignment sha
	adjustment system (similar to approach used in Station 2),	be within .010" RMS
	position left MCHP over the left support with respect to the	
0.06	period global coordinate system	
9.00	While held by the SISSCO rigging bring the AirLoc Wedgemount leveler up to take the load. Secure right MCHP	
	to the support base.	
9.061		If the positional alignment accuracy is greater than .010" RMS review with back
	the period global coordinate system.	office and if directed disengage Wedgemount and repeat Step 8.06.
9.07	Remove the laser screens to provide more floor space for	
	scaffolding.	
9.08	Install temporary scaffolding to install flange hardware	
	Install bolts and all outboard alumina shims.	
9.10	Tighten flange fasteners to 50%	
9.11	Make a hand "wiggle" test (rotate on bolt) on all shims to make	
	sure that they are tight. If a loose shim is found back off on	
	sufficient adjacent bolts to allow a replacement shim to be	
	inserted. Tighten bolt and recheck.	
9.12	•••	
	both MCHP's. The maximum deviation from the reference	distance). If the deviation is greater that .015", Project input is needed to determi
0 4 0	points should be .015" or less.	how to proceed.
9.13		Back office support will be used in identifying revised shim thickness.
	tolerance is not met. Loosen all studs, adjust AirLock	
	Wedgemounts as needed; install alternate sized shims. Re- torque all studs to 50% and recheck.	
9.14		

	Station 3 (Assembly of MCHP over VV)	
Step	Assembly Step	Comments
9.15	One hole at a time, remove the supernut. Using the eccentric	
	gage slid onto the stud define the hole eccentricity. Select	
	bushing and machine to match required eccentricity. Install	
	bushing. Replace nut and tighten back to 50% and recheck	
9.16	Tighten nuts 100%. Re-verify adequate MCHP alignment.	
	Weld all inboard shims and fill bushing gaps	Reference drawing:
10.01	Follow a predefined weld sequence at all MC's and weld the	
	inboard shims, solenoid side, following weld procedures.	
10.02	Measure the positions of all monuments per the process	The maximum deviation from the "realigned" points should be .020" or less (true
	defined in the Metrology Plan, steps 2.3.3 through 2.3.7.	distance). If the deviation is greater than .020", Project input is needed to determine
		how to proceed
	Fill all lose bushings with Stycast 2850FT	
10.04	Measure the monuments on all coils. Save the data file and	The maximum deviation from the "realigned" points should be .020" or less (true
	back it up. Print reports of all alignments used, and	distance). If the deviation is greater than .020", Project input is needed to
	nonconformance reports, and keep with run copies of the	determine how to proceed.
	assembly procedure.	
11.00	VVSA attachment to MC.	Reference drawing:
11.01	Remove MCHP lift fixture and attach germinate VV supports to	
	the MC at the two outboard connection points at the top and	
	bottom of each Type-A MC.	
11.02	Attach temporary VV vertical supports to the MC at the two	
	connection points at the top and bottom of the Type-B MC.	
11.03	Disconnect base support and transfer load to VV vertical	
	supports.	
11.04	Install VV lateral supports and align VVSA to modular coils	This is a trial alignment to ensure there are no problems. Final alignment and
		scanning of the flanges will not be performed until after port welding on Station 5 is
		completed because of distortion concerns.
11.05	Prepare VVSA for transport. Install blocking as required to	
	prevent any motion relative to the modular coils.	
12.00	Transfer Period to NCSX test cell.	Reference drawing:
12.01	Install crane rigging to MCWF and transfer the unit to the	
	transfer support frame. Secure Period /support frame to the	
	transporter.	
12.02	Transfer completed Period to Station 5 located in NCSX test	
	cell.	
I		

#### Change in 9.3

1 Includes Bob Ellis's final dimensional control inputs (highlighted in red).

# Change in 9.2

1 Updated a number of sections due to welding of nose shims and fixing of left MCHP support.

Change in Rev 9.1:

- Eliminated Step 1.03
   Eliminating the A-A pre-alignment step in Station 2 resulted in added Steps needed in Station 3.