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3. T	Α	CONFIGU	RATION CHANGE		4. ATS NO. A)1-4		5. PAG	E 1	OF 2	22
Y P	PERMAI	NENT	TEMPORA	ARY] 6. WOD SHEET	(S) NUMBER(S)						
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10. AC	PART NAM	ИE			Detector Name Dincidence Co	unter ACC		12. SERIAL/LOT NO.				
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	0330_A ATS TITLE		nnector_supports.p	df, 090330_A	CC_OFC_Su	pports.pdf,	Surface_P	rep_Guide.pdf				
			Connector Supp	ort Installa	tion							
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			AMS-02	ACC Conn	ector Supp	ort Insta	llation					
1		Open	this ATS									
		The responsible engineer for the AMS-02 ACC installation decides about changes in the series of the installation sequences.										
2			nt table of all pe		•	nt norte						
_	·•	vv cigi	it table of all po	Tillanent in	stancu mgi	it parts						
				Part		QTY	W	eight (g)				
			andard Connec			16						
			tandard Connec			12						
		5	Special Connect			4						
			Washer (NA			128						
			Screw (NAS13		<u> </u>	64						
				1-863-DFL)		64						
			Bushing (draw.			64						
			Optical fibe	r cable supp	ort	24						
	originat 1. Kirn				DATE	25. FINAL A	CCEPTANCE S	STAMP AND DATE				
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22 of 22 ACC090401-4 5. Page **AMS-02 TASK SHEET (ATS)** 4. ATS NO. **CONTINUATION PAGE** 6. MOD NO. VERIFICATION 20. OPER SEQ. NO. 21. OPERATIONS (Print, Type, or Write Legibly) 22. TECH 23. QA/DV Connector support installation to VC. See Figure 1, 2 and 3, Photo 1, 2 and 3 and in more detail Figure 4 (part number: draw. # ams02-07-1033a) 3. Figure 1

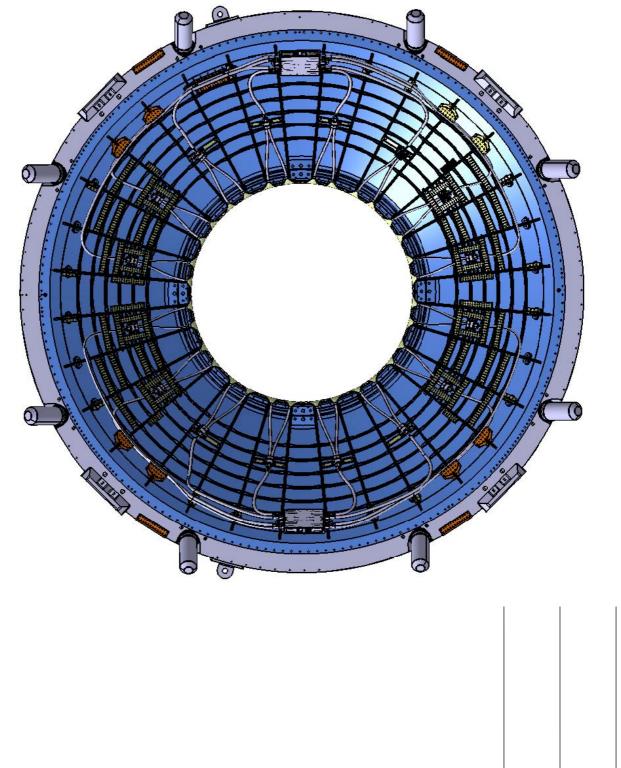
22 of 22 ACC090401-4 5. Page **AMS-02 TASK SHEET (ATS)** 4. ATS NO. **CONTINUATION PAGE** 6. MOD NO. VERIFICATION 20. OPER SEQ. NO. 21. OPERATIONS (Print, Type, or Write Legibly) 22. TECH 23. QA/DV Figure 2: Top view (Z+ side)

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22. TECH 23. QA/DV

Figure 3: Bottom view (Z- side)



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Photo 1: Connector Supports mounted to VC (top view) during Pre-Integration:



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		22. TECH	23. QA/DV	

Photo 2: 1 Standard Connector Support mounted to VC during Pre-Integration



Photo 3: 4 Special Connector Supports (drawing number: ams02-08-3007, ams02-08-3008, ams02-08-3009, ams02-08-3010, ams02-08-3014 and ams02-08-3015) for sectors 5, 11, 21 and 27 on Z- side



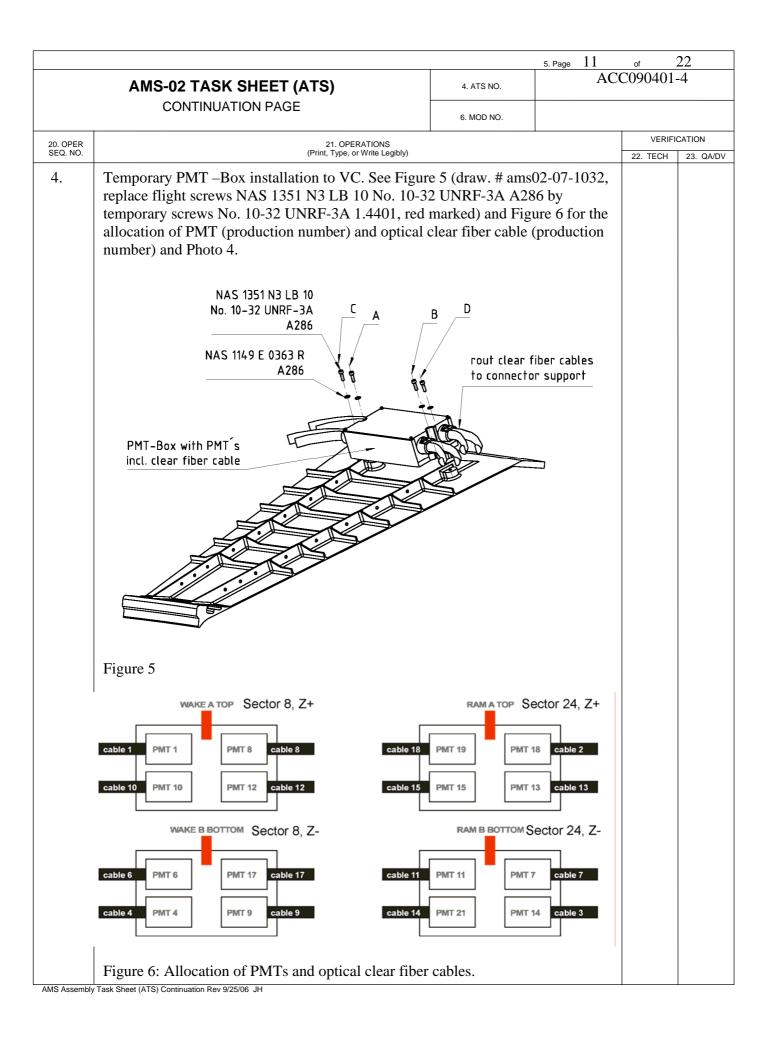
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SEQ. NO.	CONTINUATION PAGE 21. OPERATIONS (Print, Type, or Write Legibly) Figure 4 Flight mount conne all uneven sector DIN ISO 4762 M3x8 1.4.401 (316) DIN-125-8-3.2 1.4.401 (316) NAS1149E832R Bushing drawing Nr. ams02-07-3037 TiGAI4V AMS4928 DIN 7, 02x8 1.4.401 (316) self locking nut KJL H41-863-0FL pieces of path A are the same for path B pieces of path C are the same for path H,I,J	Assembly ector support to rs on Z+ and Z- Side I F E DIN 125-B-2.7 1.4401(316) I Convendungsbereich AMSO2 I Rev. Anderung Revisien Rem. Rev. Anderung Revisien Rem.	ttel V Datum Name 19 19.03. Weechal T Physics AC-I Eve. f.:	22. TECH	23. QA/DV 8	
3.1	Apply lubricant Braycote 601EF on threads of screw Lot number: 40347) QTY: 64 Braycote 601EF Lot Number:	ws (NAS1351N08L Expiration Date:	B8A286,			
3.2	Apply Super Koropon base underside the NAS1149 with aluminum parts of Vacuum Case Flanges or br surface of washers with a brush, and on the bushing mat: Ti6Al4V AMS4928). Parts are to be assemble application, before drying out).	rackets (cover the was draw.# ams 02-07	hole 7-3037,			
	PN, Lot#, Exp date	2:				

AMS-02 TASK SHEET (ATS) CONTINUATION PAGE 4. ATS NO. 6. MOD NO.

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3.3			* *	C sectors with and Ph			3, 5,) on		
3.4	ams02-07	7-3037, mat:		Lot number: 8 MS4928) ont Figure 4					
3.4.1	Insert screen Position A QTY: 32								
3.5		hing (draw.# 8LB8A286,							
3.6	Insert screen Position I QTY: 32	pport,							
3.7		,		Lot number: 8 onto screw, I			(H41-863-		
3.8		,		Lot number: 8) onto screw, l			(H41-863-		
3.9	Tighten P QTY: 32	Position A a	nd B (Figure	e 4, Table 1 fo	r Z+ side,	Table 2 for	Z- side).		
	Maximun	n Locking T	Sorque = 2.8	Nm, Minimu	m Locking	Torque = 2	2.4 Nm		
	Maximun	n Running T	Forque = 1.0) Nm, Minimu	ım Runnin	g Torque =	0.3 Nm		
	Z+ side Sector	Position	Running Torque	Final Torque	Position	Running Torque	Final Torque		
	1 A			В		1-4			
	3 A				В				
	5 A								
	7	A			В				
		•	•			•			

5. Page 9 22 ACC090401-4 **AMS-02 TASK SHEET (ATS)** 4. ATS NO. **CONTINUATION PAGE** 6. MOD NO. VERIFICATION 21. OPERATIONS (Print, Type, or Write Legibly) 20. OPER SEQ. NO. 22. TECH 23. QA/DV 9 A В 11 A В 13 В 15 Α В 17 A В 19 В A 21 Α В 23 A В 25 Α В 27 A В 29 В Α 31 Α В Table 1: Z+ side Wrench PN_____(Running) Note M# Cal Due Date Wrench PN_____(Final) Note M#_____ Cal Due Date _____ Maximum Locking Torque = 2.8 Nm, Minimum Locking Torque = 2.4Nm Maximum Running Torque = 1.0 Nm, Minimum Locking Torque = 0.3 Nm Z- side **Position** Final Running **Position** Running **Final** Sector Torque **Torque** Torque Torque В 1 A 3 В Α 5 В A 7 A В 9 Α В 11 A В 13 В

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	17	A		В						
	19	A		В						
	21	A		В						
	23	A		В						
	25	A		В						
	27	A		В						
	29	A		В						
	31	A		В						
	Table 2: Z	sida								
	Wrench Pl	N	(Running) Cal Due Date							
	Note M#_		Cai Due Date							
	Wrench Pl	N	(Final)							
	Note M#_		Cal Due Date							



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Photo 4: Temporary PMT-Box installation during Pre-Integration



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4.1.1	Position PMT-Box to sector 8 on Z+ side, Figure 6 (Put lubricant Braycote 601EF on threads of temporar 3A 1.4401)	ŕ)-32 UNRF-		
4.1.2	QTY: 4 Insert washer (NAS 1149 E 0363 R A286, Lot numb	per: S5271) onto s	screw (No.		
4.1.3	10-32 UNRF-3A 1.4401), Position A, Figure 5 "Hand tighten" Position A (Figure 5)				
4.1.4	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position B, Figure 5	screw (No.			
4.1.5	"Hand tighten" Position B (Figure 5)				
4.1.6	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position C, Figure 5	screw (No.			
4.1.7	"Hand tighten" Position C (Figure 5)				
4.1.8	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position D, Figure 5	er: S5271) onto s	screw (No.		
4.1.9	"Hand tighten" Position D (Figure 5)				
4.2	Position PMT-Box to sector 24 on Z+ side, Figure 6.				
4.2.1	Put lubricant Braycote 601EF on threads of screws (IQTY: 4	No. 10-32 UNRF	F-3A 1.4401)		
4.2.2	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position A, Figure 5	er: S5271) onto s	screw (No.		
4.2.3	"Hand tighten" Position A (Figure 5)				
4.2.4	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position B, Figure 5	er: S5271) onto s	screw (No.		
4.2.5	"Hand tighten" Position B (Figure 5)				
4.2.6	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position C, Figure 5	screw (No.			
4.2.7	"Hand tighten" Position C (Figure 5)				
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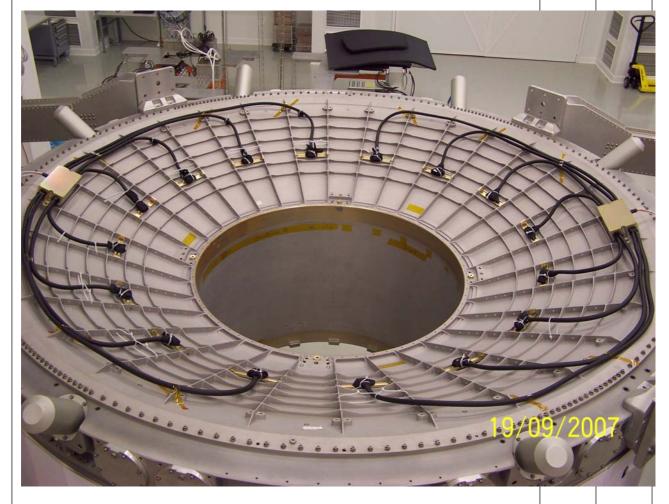
A.2.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5		CONTINUATION FAGE	6. MOD NO.							
4.2.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.2.9 "Hand tighten" Position D (Figure 5) 4.3.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.3.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position A (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 4.4.5 "Hand Tighten" Position B (Figure 5)	20. OPER	21 OPERATIONS			VERIFI	CATION				
10-32 UNRF-3A 1.4401), Position D, Figure 5 4.2.9 "Hand tighten" Position D (Figure 5) 4.3 Position PMT-Box to sector 8 on Z- side, Figure 6. 4.3.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.3.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position A (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 4.4.5 "Hand Tighten" Position B (Figure 5)	SEQ. NO.				22. TECH	23. QA/DV				
4.3. Position PMT-Box to sector 8 on Z- side, Figure 6. 4.3.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.3.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position B (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4.1 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.5 "Hand tighten" Position A (Figure 5) 4.4.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5	4.2.8	`	er: S5271) onto	screw (No.						
 4.3.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.3.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position A (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.2.9	"Hand tighten" Position D (Figure 5)								
4.3.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position A (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.3	Position PMT-Box to sector 8 on Z- side, Figure 6.								
10-32 UNRF-3A 1.4401), Position A, Figure 5 4.3.3 "Hand tighten" Position A (Figure 5) 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.3.1	· · · · · · · · · · · · · · · · · · ·								
 4.3.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.2									
10-32 UNRF-3A 1.4401), Position B, Figure 5 4.3.5 "Hand tighten" Position B (Figure 5) 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.3.3	"Hand tighten" Position A (Figure 5)								
 4.3.6 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.4	,	er: S5271) onto	screw (No.						
 10-32 UNRF-3A 1.4401), Position C, Figure 5 4.3.7 "Hand tighten" Position C (Figure 5) 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.5	"Hand tighten" Position B (Figure 5)								
 4.3.8 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.6		er: S5271) onto	screw (No.						
10-32 UNRF-3A 1.4401), Position D, Figure 5 4.3.9 "Hand tighten" Position D (Figure 5) 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.3.7	"Hand tighten" Position C (Figure 5)								
 4.4 Position PMT-Box to sector 24 on Z- side, Figure 6. 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.8		er: S5271) onto	screw (No.						
 4.4.1 Put lubricant Braycote 601EF on threads of screws (No. 10-32 UNRF-3A 1.4401) QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5) 	4.3.9	"Hand tighten" Position D (Figure 5)								
QTY: 4 4.4.2 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.4	Position PMT-Box to sector 24 on Z- side, Figure 6.								
10-32 UNRF-3A 1.4401), Position A, Figure 5 4.4.3 "Hand tighten" Position A (Figure 5) 4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.4.1	`	No. 10-32 UNRI	F-3A 1.4401)						
4.4.4 Insert washer (NAS 1149 E 0363 R A286, Lot number: S5271) onto screw (No. 10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.4.2	`	er: S5271) onto	screw (No.						
10-32 UNRF-3A 1.4401), Position B, Figure 5 4.4.5 "Hand Tighten" Position B (Figure 5)	4.4.3	"Hand tighten" Position A (Figure 5)								
	4.4.4									

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4.4.6	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position C, Figure 5	per: S5271) onto	screw (No.	22. TECH	23. QA/DV
4.4.7	"Hand tighten" Position C (Figure 5)				
4.4.8	Insert washer (NAS 1149 E 0363 R A286, Lot numb 10-32 UNRF-3A 1.4401), Position D, Figure 5	per: S5271) onto	screw (No.		
4.4.9	"Hand tighten" Position D (Figure 5)				

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5.	Temporary optical connector fixation to connector so cable ties, see Photo 5. QTY: 32 Photo 5: Temporary fixation of optical connectors to ties during pre-integration					
	F 6					



17 22 5. Page ACC090401-4 **AMS-02 TASK SHEET (ATS)** 4. ATS NO. **CONTINUATION PAGE** 6. MOD NO. VERIFICATION 20. OPER SEQ. NO. 21. OPERATIONS (Print, Type, or Write Legibly) 22. TECH 23. QA/DV Temporary fiber cable fixation to VC with cable ties, see Figure 7 and Photo 6: 6. temporary non flight cable ties Verwendungsbereich Zul. Abw. Maßstab 1:10 Gewicht $\oplus \triangleright$ DIN ISO 2768 AMS 02 Werkstoff, Halbzeug mittel07 Datum Bearb. 17.09. Włochal Temporary Fiber Cable Support ams02-07-1040 Physics AC-Ers. d.: Figure 7: Allocation of temporary fiber cable fixation to VC with non-flight cable ties.

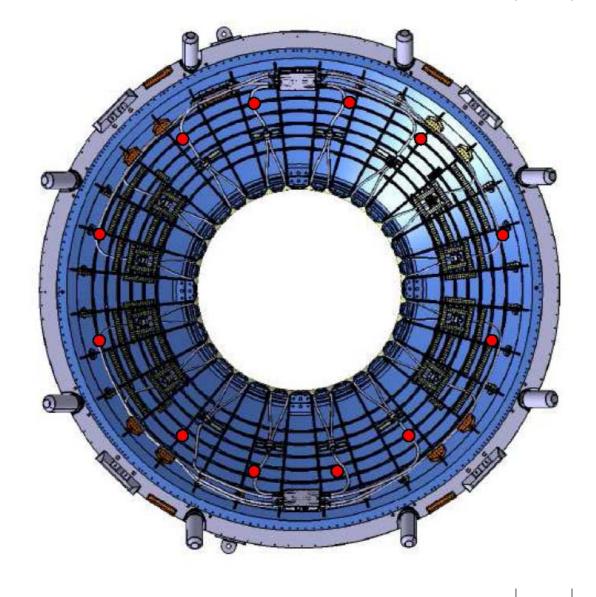
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Photo 6: Temporary mounted PMT-Box and optical fiber fixation with cable ties to VC during pre-integration.



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7.	Glueing of optical fiber cable support (drawing numb 090330_ACC_OFC_Supports.pdf) to VC. QTY: 24	ber: ams02-svd-0	010, see				
7.1	Position optical fiber cable support on VC, see Figure 8: Allocation of optical fiber cable support on						



20 22 5. Page ACC090401-4 **AMS-02 TASK SHEET (ATS)** 4. ATS NO. **CONTINUATION PAGE** 6. MOD NO.

VERIFICATION 21. OPERATIONS (Print, Type, or Write Legibly) 20. OPER SEQ. NO. 22. TECH 23. QA/DV Photo 7: Temporary positioned optical fiber cable support on VC during preintegration 7.2 Glue optical fiber supports to VC QTY: 24 7.2.1 Primer EA9203-Q4659, Lot Number: **Expiration Date:** HYSOL EA934NA, Lot Number: **Expiration Date:** 7.2.2 Reference to LOCTITE HYSOL surface preparation guide (see Surface_Prep_Guide.pdf) 7.2.3 Clean surface to glue with isopropanol 7.2.4 Apply primer HYSOL EA9203-Q4659 7.2.5 Waiting time of at least 1 hour to dry primer 7.2.6 Glue ACC optical fiber cable support to VC with HYSOL EA934NA

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8.		III temporary Photo 5 and		liber cable fixations	(cable ties)	on Z+ a	nd Z- side,		
9.	Inspection	n of AMS Q	A engine	er after removal of a	ll cable ties	S.			
10.	PMT –Bo the alloca (production	figure 6 for le							
10.1	Removal	ure 5 & 6).							
10.1.1	Untighten	Position A	, B, C and	D (Figure 5)					
10.1.2	Remove s A286) fro (table 3),	E 0363 R d washers							
	Z+ side Sector	Position	Screw	Bag ("not for flight")	Washer	Bag Lot Nu	ımber		
		A	1		1				
	8	В	1		1				
	8	C	1		1				
		D	1		1				
		A	1		1				
	24	В	1		1				
		С	1		1				
		D	1		1				
	Z- side Sector	Position	Screw	Bag ("not for flight")	Washer	Bag Lot Nu	ımber		
	8	A	1		1				
		В	1		1				
		С	1		1				

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		D	1		1				
		A	1		1				
	24	В	1		1				
	24	С	1		1				
		D	1		1				
	Table 3								
10.1.3	Remove A Integration	CC PMT-E	Boxes with	optical clear fiber c	ables and s	tore fo	or Flight		
11.	Close this	TPS.							