NCD NONCONFORMANCE DOCUMENT

MRB [X] 4a NMS

N031969

DOCUMENT INITIATION DATA

N 031969

ASSY/DETAIL PART NUMBER a	TRACEABILITY NUMBER b	ORDER TYPE/NUMBER c
8090101 0000-XXX	NOTED	

ASSY/DETAIL PART NAME d	PROJECT e	EFFECTIVITY f	CTRL PT g	GEP h
ET COMPLETE	ET / COMM	NOTED	7002	G / N

SUPPLIER CODE i	SUPPLIER NAME j	ORIGINATION LOCATION k	TAIR BOOK (BK/PG) l
		FAC	

INITIAL REPORT m	REFERENCE DOCUMENT(S) n

ITEM INITIATION DATA

ITEM 1	PART NUMBER 2	TRACEABILITY NUMBER 3	LOT QTY 4	QTY REJ 5	UOM 6
1	8090101 0000-519	NOTED	3	3	EA

PART NAME 7	PI NUMBER 8	STEP NO 9	SHEET / ZONE / VIEW 10	CA TYPE 11
ET COMPLETE				I / C

DEFECT CODE 12	HDWR CODE 13	CC 14	EE BADGE 15	FAILURE 16	CRIT 17	DEPT FND 18	DEPT LBL 19	SCC 20	WELD CODE 21	WELD GRD 22
				Y / N		3741	0000			

INITIATED BY	BADGE	DATE 29	WELD TYPE 23	ORIG WELD TOOL 24	DETECT METHOD 25
[redacted]		6/11/02	T / V / S		☐ VISUAL

VALIDATED BY	BADGE	DATE 30	MATERIAL THICKNESS 26 ACTUAL	MATERIAL THICKNESS 26 DRAWING	DEFECT LOC 27	☐ X-RAY
[redacted]	[redacted]	6/11/2			ISL / OSL	

RELIABILITY ASSURANCE	BADGE	DATE 31	REP ATTEMPT 28	☐ PENETRANT
[redacted]	[redacted]		ISL / OSL	

DISCREPANCY DESCRIPTION 32	REPAIR 33	DEFECT LOCATION 34	DEFECT LENGTH 35

THIS ITEM IS WRITTEN TO DOCUMENT MULTI-EFFECTIVITY ACCOUNTABILITY.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE 36

ITEM 4

CORRECTIVE ACTION 37

ITEM 4

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE 39	BADGE	DATE 40
			[redacted]	88463	7-14-02

DISPOSITION DATA

[X] MRB 41 DISPOSITION 42

MRB DISPOSITION OF THIS ITEM IS NOT REQUIRED. REFER TO SUBSEQUENT ITEMS FOR DEFECT DISPOSITION.

REQUEST AUTHORIZATION FOR MULTI-EFFECTIVITY FROM MANAGER [redacted] RELIABILITY ASSURANCE [redacted] 6/11/02

CONCUR: [redacted] 6/11/02

SHOP STAMP 43	INSP STAMP 44	CUST STAMP 45
—	[redacted] 6-26-2	

VISUAL INSPECTION 46 ACCEPT	VISUAL INSPECTION 46 REJECT	PROD OPS X-RAY 47 ACCEPT	PROD OPS X-RAY 47 REJECT

WELDER 48	PA X-RAY 49 ACCEPT	PA X-RAY 49 REJECT

WELD WIRE ACCEPTANCE 50	PENETRANT 51 ACCEPT	PENETRANT 51 REJECT

REPAIR PER SRI W-001 52	WELD WIRE LAB TICKET 53
☐ I ☐ II ☐ III	

PCN 54	WELD WIRE LOT NUMBER 55

MR CD 56	LAB / LICALL 57	SRI NUMBER 58	NUMBER OF ATTACHMENTS 59	NUMBER OF NCSDs 60
3			1 2 3 4 5 6 7 8 9 10 / 0	1 2 3 4 5 6 7 8 9 10

DOCUMENT CLOSURE DATA

DISP CODE o	NUMBER OF ITEMS p	TRANSFER TO DOCUMENT q	PRODUCTION OPERATIONS CLOSURE ACCEPTANCE	BADGE	DATE r
N / M / F	1 2 3 4 5 6 7 8 9 10				1-100

QC SUPERVISOR CLOSURE ACCEPT	DATE s	CUSTOMER CLOSURE ACCEPTANCE	DATE t
[redacted]	6/26/2	[redacted]	10/30/02

MAF/MMA 27.022 (11/95)

NCSD NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER 1	ITEM 2	PAGE 3
N,0,3,1,9,6,9	1	2

4

Block "b" AND "f" CONT'D:

S/N	EFFECTIVITY
00000000086	ET-93
00000000087	ET-94
00000000108	ET-115
00000000109	ET-116
00000000110	ET-117
00000000111	ET-118

Block 3 CONT'D:

S/N	EFFECTIVITY
00000000108	ET-115
00000000109	ET-116
00000000110	ET-117

RELIABILITY ASSURANCE [redacted] 6/14/02

COPY

NCID NONCONFORMANCE ITEM DATA

NCD NUMBER A1	ITEM A2	PAGE A3
N03196	2	1

ITEM INITIATION DATA

ITEM 1	PART NUMBER 2	TRACEABILITY NUMBER 3	LOT QTY 4	QTY REJ 5	UOM 6
2	809010100000-510	00000000111	1	1	EA

PART NAME 7	PI NUMBER 8	STEP NO 9	SHEET / ZONE / VIEW 10	CA TYPE
ET COMPLETE				I / D (C)

DEFECT CODE 12	HDWR CODE 13	CC 14	EE BADGE 15	FAILURE 16	CRIT 17	DEPT FND 18	DEPT LBL 19	SCC 20	WELD CODE 21	WELD GRD 22
				Y / N		3741	0000			1

INITIATED BY	BADGE	DATE 29	WELD TYPE 23	ORIG WELD TOOL 24	DETECT METHOD 25
[redacted]	[redacted]	6/11/02	T / V / S		☐ VISUAL ☐ X-RAY ☐ PENETRANT

VALIDATED BY	BADGE	DATE 30	MATERIAL THICKNESS 26 ACTUAL	MATERIAL THICKNESS 26 DRAWING	DEFECT LOC 27	REP ATTEMPT 28
[redacted]	[redacted]	6/11/02			ISL / OSL	ISL / OSL

RELIABILITY ASSURANCE	BADGE	DATE 31
[redacted]	[redacted]	

DISCREPANCY DESCRIPTION 32	REPAIR 33	DEFECT LOCATION 34	DEFECT LENGTH 35
THIS ITEM IS WRITTEN TO DOCUMENT MULTI-EFFECTIVITY ACCOUNTABILITY.			

CAUSE AND CORRECTIVE ACTION DATA

CAUSE 36

ITEM 4

CORRECTIVE ACTION 37

ITEM 4

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE 39	[illegible] CORRECTIVE ACTION REVIEW	[illegible] DATE 40
				[redacted]	6/11/02

DISPOSITION DATA

☒ MRB 41	DISPOSITION 42	SHOP STAMP 43	INSP STAMP 44	CUST STAMP 45
	MRB DISPOSITION OF THIS ITEM IS NOT REQUIRED. REFER TO SUBSEQUENT ITEMS FOR DEFECT DISPOSITION.	—	[redacted] 6.26.2	

VISUAL INSPECTION 46 ACCEPT	VISUAL INSPECTION 46 REJECT	PROD OPS X-RAY 47 ACCEPT	PROD OPS X-RAY 47 REJECT

WELDER 48	PA X-RAY 49 ACCEPT	PA X-RAY 49 REJECT

WELD WIRE ACCEPTANCE 50	PENETRANT 51 ACCEPT	PENETRANT 51 REJECT

REQUEST AUTHORIZATION FOR MULTI-EFFECTIVITY FROM MANAGER [redacted].

RELIABILITY ASSURANCE [redacted] 6/11/02

CONCUR: [redacted] 6/11/02

REPAIR PER SRI W-001 52	WELD WIRE LAB TICKET 53
☐ I ☐ II ☐ III	

PCN 54	WELD WIRE LOT NUMBER 55

MR CD 56	LAB / LICALL 57	SRI NUMBER 58	NUMBER OF ATTACHMENTS 59	NUMBER OF NCSDs 60
3			1 2 3 4 5 6 7 8 9 10 — 0	1 2 3 4 5 6 7 A

MAF/MMA 37-033A (11/95)

NCID NONCONFORMANCE ITEM DATA

NCD NUMBER A1	ITEM A2	PAGE A3
N031968	3	1

ITEM INITIATION DATA

ITEM 1	PART NUMBER 2	TRACEABILITY NUMBER 3	LOT QTY 4	QTY REJ 5	UOM 6
3	8090101000-120	NOTED	2	2	EA

PART NAME 7	PI NUMBER 8	STEP NO 9	SHEET / ZONE / VIEW 10	CA TYPE 11
ET COMPLETE				I A B C

DEFECT CODE 12	HDWR CODE 13	CC 14	EE BADGE 15	FAILURE 16	CRIT 17	DEPT FND 18	DEPT LBL 19	SCC 20	WELD CODE 21	WELD GRD 22
				Y / N		3741	0000			

INITIATED BY	BADGE	DATE 29	WELD TYPE 23	ORIG WELD TOOL 24	DETECT METHOD 25
[redacted]	[redacted]	6/11/02	T / V / S		☐ VISUAL
VALIDATED BY [redacted]	BADGE [redacted]	DATE 30 6/12/2	MATERIAL THICKNESS 26 ACTUAL / DRAWING	DEFECT LOC 27 ISL / OSL	☐ X-RAY
RELIABILITY ASSURANCE	BADGE	DATE 31		REP ATTEMPT 28 ISL / OSL	☐ PENETRANT

DISCREPANCY DESCRIPTION 32	REPAIR 33	DEFECT LOCATION 34	DEFECT LENGTH 35

THIS ITEM IS WRITTEN TO DOCUMENT MULTI-EFFECTIVITY ACCOUNTABILITY.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE 36

ITEM 4

CORRECTIVE ACTION 37

ITEM 4

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE 39	BADGE	DATE 40
		[redacted]	[redacted]	[redacted]	7-17-02

DISPOSITION DATA

☐ MRB 41	DISPOSITION 42	SHOP STAMP 43	INSP STAMP 44	CUST STAMP 45
	MRB DISPOSITION OF THIS ITEM IS NOT REQUIRED. REFER TO SUBSEQUENT ITEMS FOR DEFECT DISPOSITION	—	[redacted] 6-26-2	

VISUAL INSPECTION 46		PROD OPS X-RAY 47	
ACCEPT	REJECT	ACCEPT	REJECT

REQUEST AUTHORIZATION FOR MULTI-EFFECTIVITY FROM THE MANAGER OF [redacted]

RELIABILITY ASSURANCE [redacted] 6/11/02

WELDER 48	PA X-RAY 49	
	ACCEPT	REJECT

WELD WIRE ACCEPTANCE 50	PENETRANT 51	
	ACCEPT	REJECT

CONCUR: [redacted] 6/11/02

REPAIR PER SRI W-001 52	WELD WIRE LAB TICKET 53
☐ I ☐ II ☐ III	
PCN 54	WELD WIRE LOT NUMBER 55

BLOCK 3 CONTINUED:

S/N	EFFECTIVITY
0000000086	ET-93
0000000087	ET-94

RELIABILITY ASSURANCE [redacted] 6/11/02

MR CD 56	LAB / LICALL 57	SRI NUMBER 58	NUMBER OF ATTACHMENTS 59	NUMBER OF NCSDs 60
3			~~1 2 3 4 5 6 7 8 9 10~~ 0	~~1 2 3 4 5 6 7~~ A

COPY

NCID NONCONFORMANCE ITEM DATA

NCD NUMBER A1	ITEM A2	PAGE A3
N031969	4	1

ITEM INITIATION DATA

ITEM 1	PART NUMBER 2	TRACEABILITY NUMBER 3	LOT QTY 4	QTY REJ 5	UOM 6
4	80911001317-009	NOTED	6	6	EA

PART NAME 7	PI NUMBER 8	STEP NO 9	SHEET / ZONE / VIEW 10	CA TYPE 11
GH2 PRESSLINE FAIRING				I / D / C

DEFECT CODE 12	HDWR CODE 13	CC 14	EE BADGE 15	FAILURE 16	CRIT 17	DEPT FND 18	DEPT LBL 19	SCC 20	WELD CODE 21	WELD GRD 22
CWDC0DS1	SPH	C1		Y / N		3741	0000			

INITIATED BY	BADGE	DATE 29	WELD TYPE 23	ORIG WELD TOOL 24	DETECT METHOD 25
[redacted]	[redacted]	6/11/02	T / V / S		☐ VISUAL
VALIDATED BY	BADGE	DATE 30	MATERIAL THICKNESS 26 ACTUAL / DRAWING	DEFECT LOC 27 ISL / OSL	☐ X-RAY
[redacted]	[redacted]	6/11/2		REP ATTEMPT 28 ISL / OSL	☐ PENETRANT
RELIABILITY ASSURANCE	BADGE	DATE 31			

DISCREPANCY DESCRIPTION 32	REPAIR 33	DEFECT LOCATION 34	DEFECT LENGTH 35

SUSPECT VIOLATION OF THE 15.90" +/- .03" DIMENSION DUE TO IRREGULARITIES AT THE FLANGE SURFACES ADJACENT TO THE NUT PLATES.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE 36

DEFERRED TO N013041

CORRECTIVE ACTION 37

DEFERRED TO N013041

CAC 38	CA[redacted] ACCEPTANCE	BADGE	DATE 39	[redacted]	DATE 40
C1	[redacted]	[redacted]	6/11/02	[redacted]	6/11/02

DISPOSITION DATA

☒ MRB 41 DISPOSITION 42

Block 3 CONTID:

S/N	EFFECTIVITY
00000000069	ET-93
00000000070	ET-94
00000000062	ET-115
00000000063	ET-116
00000000064	ET-117
00000000065	ET-118

SHOP STAMP 43	INSP S[redacted] 44	CUST STAMP 45
—	[redacted] 6-26-2	

VISUAL INSPECTION 46 ACCEPT	REJECT	PROD OPS X-RAY 47 ACCEPT	REJECT

WELDER 48	PA X-RAY 49 ACCEPT	REJECT

WELD WIRE ACCEPTANCE 50	PENETRANT 51 ACCEPT	REJECT

SUBMIT NCD TO ENGINEERING FOR EVALUATION AND DISPOSITION.

REPAIR PER SRI W-001 52	WELD WIRE LAB TICKET 53
☐ I ☐ II ☐ III	
PCN 54	WELD WIRE LOT NUMBER 55

NOTE: ET-119 AND ET-120 HARDWARE WAS INSPECTED BY QC. AND ARE ACCEPTABLE.

RELIABILITY ASSURANCE:

[redacted] 6/11/02

MR CD 56	LAB / LICALL 57	SRI NUMBER 58	NUMBER OF ATTACHMENTS 59	NUMBER OF NCSDs 60
3			~~1 2 3 4 5 6 7 8 9 10~~ / 0	~~1 2 3 4 5 6 7 8 9 10~~

COPY

NCSD NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER 1	ITEM 2	PAGE 3
N031969	4	2

BLOCK 42 CONTINUED

ENGINEERING DISPOSITION IS USE AS IS. GH2 PRESSLINE FAIRINGS WERE SUCCESSFULLY INSTALLED. FORM, FIT AND FUNCTION NOT ADVERSELY AFFECTED. M.S. UNAFFECTED

ENG MRB [redacted] 6/12/02
STRESS ENGR MRB [redacted] 6/13/02
PA/MRB [redacted] 6/13/02
NASA Eng : [redacted] 6/14/02
NASA S&MA: [redacted] 6/17/02
NASA RMO: [redacted] 6/26/02

CONTRACTS : [redacted] 6/26/02
02/OD/0231

BLK 42 CONT.

ALL WORK DISPOSITIONED BY THIS MRB NCD IS COMP & ACC.

[redacted] 6/26/2

COPY