

NCD NONCONFORMANCE DOCUMENT

MRB

41a

DOCUMENT INITIATION DATA

N 062526

ASSY/DETAIL PART NUMBER 80901010000-519		a TRACEABILITY NUMBER 00000000110		b ORDER TYPE/NUMBER		c	
ASSY/DETAIL PART NAME ET COMPLETE - KSC		d PROJECT EDI COMM		e EFFECTIVITY ET-117		f CTRL PT 1010	
g GFP Y10IN		h		i		j	
SUPPLIER CODE P001612		SUPPLIER NAME		k ORIGINATION LOCATION KSC		l TAIN BOOK (BK/PG)	
INITIAL REPORT		m		REFERENCE DOCUMENT(S)		n	

ITEM INITIATION DATA

ITEM 1		PART NUMBER 80911041234-009		2 TRACEABILITY NUMBER 00000000399		3 LOT QTY 1		4 QTY REJ 1		5 UOM EA		6	
PART NAME BRACKET, ISOLATOR ASSEMBLY		7 PART NUMBER		8 STEP NO		9 SHEET / ZONE / VIEW		10 CA TYPE 110/C		11		12	
DEFECT CODE BKDCODRCSN		12 HDWR CODE		13 CC 14 EE BADGE SI		15 FAILURE Y10		16 CRIT 17 DEPT FND 37410000		18 DEPT LBL		19 SCC	
INITIATED BY		DATE 11/15/02		29 WELD TYPE T/V/S		23 ORIG WELD TOOL		24 DETECT METHOD VISUAL		25		26	
VAD		DATE 11-15-2		30 MATERIAL THICKNESS		28 DEFECT LOC ISL / OSL		27		31		32	
RELIABILITY ASSURANCE		BADGE		DATE		31		28 REP ATTEMPT ISL / OSL		29		30	
DISCREPANCY DESCRIPTION		32 REPAIR		33 DEFECT LOCATION		34 DEFECT LENGTH		35		36		37	

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE VENDOR ERROR		36	
CORRECTIVE ACTION SCAR-02-078		37	

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE 11/26/02	40
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DISPOSITION DATA

41 DISPOSITION MRB		42		SHOP STAMP		43		INSP STAMP		44		CUST STAMP		45	
SUBMIT TO ENG. FOR EVALUATION.		11-15-2		VISUAL INSPECTION		46		PROD OPS X-RAY		47		ACCEPT		REJECT	
BLOCK 19 CONT'D:		REVISE TO READ 0012		WELDER		48		PA X-RAY		49		ACCEPT		REJECT	
11/15/02		WELD WIRE ACCEPTANCE		50		PENETRANT		51		ACCEPT		REJECT		52	

REPAIR PER SRI W001		52		WELD WIRE LAB TICKET		53	
PCN		54		WELD WIRE LOT NUMBER		55	

MR CD 56	LAB / LICALL	57	SRI NUMBER 58	NUMBER OF ATTACHMENTS	59	NUMBER OF NCSDs	60
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DOCUMENT CLOSURE DATA

DISP CODE N (M/F)	NUMBER OF ITEMS 12345678910	p	TRANSFER TO DOCUMENT	q	PRODUCTION OPERATIONS CLOSURE ACCEPTANCE	BADGE	DATE 11-19-02
OC	DATE 11-20-02	s	CUSTOMER CLOSURE ACCEPTANCE	DATE 11/21/02	t		

1 BLOCK 42 CONTINUED (ITEMS 1-9)
 2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.
 3 ENG MRB [REDACTED] 11/18/02
 4 STRESS! [REDACTED] 11-18-02
 5 PAMRB [REDACTED] 11/19/02
 6 NASA Eng.: [REDACTED] 11/19/02
 7 NASA & MA [REDACTED] 11/19/02

9 BLOCK 42 CONDO.
 10 ALL WORK ON THIS ITEM IS COMPLETE AND ACCEPTABLE.

12 P.A. [REDACTED] 11-19-02
 14 NASA [REDACTED] 11/19/02
 16 CONTRACTS: [REDACTED] 11/20/02
 17 06 02/00/0409

N062526

Item 1

Attachment 1-1

Page 1 of 1

These rivets are used to attach nutplates to the nosecone brackets. The rivets serve two primary functions:

- To prevent nut rotation as the bolts are installed; and
- To prevent nut push out if the mechanic has to "lean" on the screw during assembly.

Once the fastener is installed, the rivets do not carry any load; they are only functional during bolt installation.

If the rivets had failed due to the gapping condition, the nose cone fasteners would not have achieved drawing required torque values. Any fastener installation failures would have been documented on NCD and dispositioned by MRB.

If the rivet heads had protruded, the rivet head would bear against the ISL of the nosecone causing minor damage i.e. scuff marks/scratches etc. that would have been reported during numerous inspections performed at MAF and MSFC during assembly and installation. No evidence of scratches or damage was detected at any of the assembly and installation locations, i.e. MSFC, Bldg 318, Final Assembly or Bldg 420. Any undetected damage to the nose cone, including a surface scratch, would not adversely affect the structural capability of the nose cone. Worse case undetectable damage was addressed by a full-scale damage tolerance test as part of nose cone verification.

Engineering disposition is use as is. Form, fit and function not adversely affected. MS Unaffected.

Coordinated with [REDACTED] Parts Engineering and [REDACTED] Composite Materials.

ENG MRB [REDACTED] 11/18/12
STRES MRB [REDACTED] 11-18-02

NCD NUMBER	A1	ITEM	A2	PAGE	A3
N1062526		2		1	

ITEM 1	PART NUMBER	2	TRACEABILITY NUMBER	3	LOT QTY	4	QTY REJ	5	UOM	6
2	80911041234-010	7	000000000429	7		1			EA	
PART NAME		8	PI NUMBER	9	STEP NO	10	SHEET / ZONE / VIEW		11	CATY
BRACKET, ISOLATOR ASSEMBLY		12	HDWR CODE	13	CC 14	EE BADGE	15	FAILURE	16	CRIT 17
DEFECT CODE		18	DEPT FND	19	DEPT LBL	20	SCC	21	WELD CODE	22
BKDCODRCSN		23	WELD TYPE	24	ORIG WELD TOOL	25	DETECT METHOD		26	
INITIATED BY		27	DATE	28	MATERIAL	29	THICKNESS	30	DEFECT LOC	31
[REDACTED]		32	DATE	33	ACTUAL	34	DRAWING	35	REP ATTEMPT	36
RELIABILITY ASSURANCE		37	DATE	38	DISCREPANCY DESCRIPTION		39	DEFECT LENGTH	40	
[REDACTED]		41	DATE	42	[REDACTED]		43	DEFECT LENGTH	44	
[REDACTED]		45	DATE	46	[REDACTED]		47	DEFECT LENGTH	48	
[REDACTED]		49	DATE	50	[REDACTED]		51	DEFECT LENGTH	52	
[REDACTED]		53	DATE	54	[REDACTED]		55	DEFECT LENGTH	56	
[REDACTED]		57	DATE	58	[REDACTED]		59	DEFECT LENGTH	60	
[REDACTED]		61	DATE	62	[REDACTED]		63	DEFECT LENGTH	64	
[REDACTED]		65	DATE	66	[REDACTED]		67	DEFECT LENGTH	68	
[REDACTED]		69	DATE	70	[REDACTED]		71	DEFECT LENGTH	72	
[REDACTED]		73	DATE	74	[REDACTED]		75	DEFECT LENGTH	76	
[REDACTED]		77	DATE	78	[REDACTED]		79	DEFECT LENGTH	80	
[REDACTED]		81	DATE	82	[REDACTED]		83	DEFECT LENGTH	84	
[REDACTED]		85	DATE	86	[REDACTED]		87	DEFECT LENGTH	88	
[REDACTED]		89	DATE	90	[REDACTED]		91	DEFECT LENGTH	92	
[REDACTED]		93	DATE	94	[REDACTED]		95	DEFECT LENGTH	96	
[REDACTED]		97	DATE	98	[REDACTED]		99	DEFECT LENGTH	100	
[REDACTED]		101	DATE	102	[REDACTED]		103	DEFECT LENGTH	104	
[REDACTED]		105	DATE	106	[REDACTED]		107	DEFECT LENGTH	108	
[REDACTED]		109	DATE	110	[REDACTED]		111	DEFECT LENGTH	112	
[REDACTED]		113	DATE	114	[REDACTED]		115	DEFECT LENGTH	116	
[REDACTED]		117	DATE	118	[REDACTED]		119	DEFECT LENGTH	120	
[REDACTED]		121	DATE	122	[REDACTED]		123	DEFECT LENGTH	124	
[REDACTED]		125	DATE	126	[REDACTED]		127	DEFECT LENGTH	128	
[REDACTED]		129	DATE	130	[REDACTED]		131	DEFECT LENGTH	132	
[REDACTED]		133	DATE	134	[REDACTED]		135	DEFECT LENGTH	136	
[REDACTED]		137	DATE	138	[REDACTED]		139	DEFECT LENGTH	140	
[REDACTED]		141	DATE	142	[REDACTED]		143	DEFECT LENGTH	144	
[REDACTED]		145	DATE	146	[REDACTED]		147	DEFECT LENGTH	148	
[REDACTED]		149	DATE	150	[REDACTED]		151	DEFECT LENGTH	152	
[REDACTED]		153	DATE	154	[REDACTED]		155	DEFECT LENGTH	156	
[REDACTED]		157	DATE	158	[REDACTED]		159	DEFECT LENGTH	160	
[REDACTED]		161	DATE	162	[REDACTED]		163	DEFECT LENGTH	164	
[REDACTED]		165	DATE	166	[REDACTED]		167	DEFECT LENGTH	168	
[REDACTED]		169	DATE	170	[REDACTED]		171	DEFECT LENGTH	172	
[REDACTED]		173	DATE	174	[REDACTED]		175	DEFECT LENGTH	176	
[REDACTED]		177	DATE	178	[REDACTED]		179	DEFECT LENGTH	180	
[REDACTED]		181	DATE	182	[REDACTED]		183	DEFECT LENGTH	184	

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR - 02 - 078	37

CAC 38	CAUSE & EFFECT STATEMENT	DATE	39	PA&A CAUSE STATEMENT	ACTION REVIEW	RADGE	DATE	40
56	[REDACTED]	15/01/02		[REDACTED]		[REDACTED]	11/26/02	

41 DISPOSITION		42		43 SHOP STAMP		44 INSP STAMP		45 CUST STAMP			
☒ MRB Submit to only for evaluation. PA 11-15-2				11-19-2							
Block 19 CONT'D: Revise to READ 0012. 11/15/02				VISUAL INSPECTION 46		PROD OPS X-RAY 47					
				ACCEPT		REJECT		ACCEPT		REJECT	
				WELDER 48		PA X-RAY 49					
						ACCEPT		REJECT			
WELD WIRE ACCEPTANCE 50		PENETRANT 51									
		ACCEPT		REJECT							
REPAIR PER SRI W-001 52 ☐ I ☐ II ☐ III				WELD WIRE LAB TICKET 53							
PCN 54				WELD WIRE LOT NUMBER 55							

Block 19 CONT'D:
Revise to READ 0012.

11/15/02

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	/

NCSD

NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER	1	ITEM	2	PAGE	3
11062526		2		2	

1 BLOCK 42 CONTINUED

2 SEE ATTACHMENT 1-1 FOR ENG INTERING DISPOSITION.

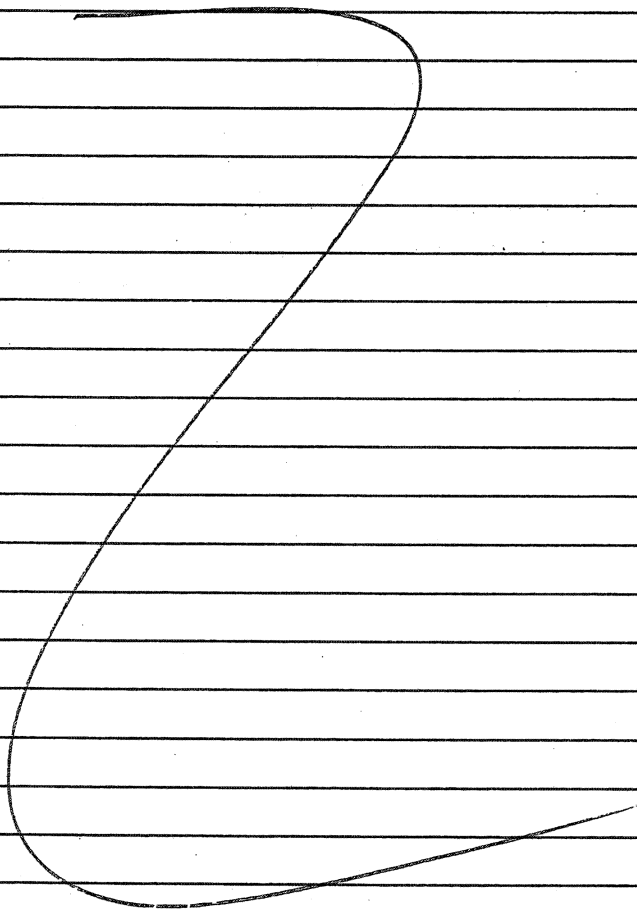
3 ENG VIKR B [REDACTED] 11/18/02

4 PAMICB [REDACTED] 11/19/02

6 BLOCK 42 CONT'D.

7 ALL WORK ON THIS FORM IS COMPLETE AND ACCEPTABLE.

9 Pat [REDACTED] 11-19-02



NONCONFORMANCE ITEM DATA

NCD NUMBER	A1	ITEM	A2	PAGE	A3
N062526		3		1	

ITEM INITIATION DATA

ITEM 1		PART NUMBER		2 TRACEABILITY NUMBER		3 LOT QTY		4 QTY REJ		5 UOM		6	
3		B0911041234-019		00000000459		1		1		EA			
PART NAME				7 PI NUMBER		8 STEP NO		9 SHEET / ZONE / VIEW				10 CAT TYPE	
BRACKET, ISOLATOR ASSEMBLY												1 CAT TYPE 1 D/C	
DEFECT CODE		12 HDWR CODE		13 CC 14		EE BADGE		15 FAILURE		16 CRIT 17		DEPT FND 18	
B KDC 0 DRC SN				SZ				Y10		3741		0000	
INITIATED BY						DATE		29 WELD TYPE		23 ORIG WELD TOOL		24 DETECT METHOD	
						11/15/02		T I V I S				☐ VISUAL ☐ X-RAY ☐ PENETRANT	
VALIDATION						DATE		30 MATERIAL THICKNESS		26 DEFECT LOC		27	
						11-15-2		ACTUAL		DRAWING		REP ATTEMPT 28	
RELIABILITY ASSURANCE						DATE		31		ISL / OSL		ISL / OSL	
DISCREPANCY DESCRIPTION				32 REPAIR		33 DEFECT LOCATION		34 DEFECT LENGTH		35			

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
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CORRECTIVE ACTION SCAR-02-078 37

GAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE	39	RA & CAUSE & CORRECTIVE ACTION REVIEW	BADGE	DATE	40
51	[REDACTED]	[REDACTED]	12/10/02	[REDACTED]	[REDACTED]	[REDACTED]	11/26/02	[REDACTED]

DISPOSITION DATA

[illegible]

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		1 2 3 4 5 6 7 8 9 10	

1 BLOCK 42 CONTINUED
 2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.
 3 ENIG MRB [REDACTED] 11/18/02
 4 PA/MRB [REDACTED] 11/19/02
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6 BLOCK 42 CONT'D.
 7 All work on THIS ITEM IS COMPLETE AND ACCEPTABLE.
 8 [REDACTED]
 9 Pts [REDACTED] 11-19-2
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NCID

ITEM DATA

NCD NUMBER	A1
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ITEM	QTY	UNIT	PRICE	TOTAL
1	1	EA	10.00	10.00
2	1	EA	20.00	20.00
3	1	EA	30.00	30.00
4	1	EA	40.00	40.00
5	1	EA	50.00	50.00
6	1	EA	60.00	60.00
7	1	EA	70.00	70.00
8	1	EA	80.00	80.00
9	1	EA	90.00	90.00
10	1	EA	100.00	100.00
11	1	EA	110.00	110.00
12	1	EA	120.00	120.00
13	1	EA	130.00	130.00
14	1	EA	140.00	140.00
15	1	EA	150.00	150.00
16	1	EA	160.00	160.00
17	1	EA	170.00	170.00
18	1	EA	180.00	180.00
19	1	EA	190.00	190.00
20	1	EA	200.00	200.00
21	1	EA	210.00	210.00
22	1	EA	220.00	220.00
23	1	EA	230.00	230.00
24	1	EA	240.00	240.00
25	1	EA	250.00	250.00
26	1	EA	260.00	260.00
27	1	EA	270.00	270.00
28	1	EA	280.00	280.00
29	1	EA	290.00	290.00
30	1	EA	300.00	300.00
31	1	EA	310.00	310.00
32	1	EA	320.00	320.00
33	1	EA	330.00	330.00
34	1	EA	340.00	340.00
35	1	EA	350.00	350.00
36	1	EA	360.00	360.00
37	1	EA	370.00	370.00
38	1	EA	380.00	380.00
39	1	EA	390.00	390.00
40	1	EA	400.00	400.00
41	1	EA	410.00	410.00
42	1	EA	420.00	420.00
43	1	EA	430.00	430.00
44	1	EA	440.00	440.00
45	1	EA	450.00	450.00
46	1	EA	460.00	460.00
47	1	EA	470.00	470.00
48	1	EA	480.00	480.00
49	1	EA	490.00	490.00
50	1	EA	500.00	500.00
51	1	EA	510.00	510.00
52	1	EA	520.00	520.00
53	1	EA	530.00	530.00
54	1	EA	540.00	540.00
55	1	EA	550.00	550.00
56	1	EA	560.00	560.00
57	1	EA	570.00	570.00
58	1	EA	580.00	580.00
59	1	EA	590.00	590.00
60	1	EA	600.00	600.00
61	1	EA	610.00	610.00
62	1	EA	620.00	620.00
63	1	EA	630.00	630.00
64	1	EA	640.00	640.00
65	1	EA	650.00	650.00
66	1	EA	660.00	660.00
67	1	EA	670.00	670.00
68	1	EA	680.00	680.00
69	1	EA	690.00	690.00
70	1	EA	700.00	700.00
71	1	EA	710.00	710.00
72	1	EA	720.00	720.00
73	1	EA	730.00	730.00
74	1	EA	740.00	740.00
75	1	EA	750.00	750.00
76	1	EA	760.00	760.00
77	1	EA	770.00	

A2

AGE

A3

1062526

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1

10

ITEM INITIATION DATA

ITEM 1	PART NUMBER	4 TRACEABILITY NUMBER		3 LOT QTY	4 QTY REJ	5 UOM
4	80911041234-020	NOTED		3	3	EA
PART NAME		7 PI NUMBER	8 STEP NO	9 SHEET / ZONE / VIEW		10 CA TYPE
BRACKET, ISOLATOR ASSEMBLY						110C
DEFECT CODE	12 HDWR CODE	13 CC	14 EE BADGE	15 FAILURE	16 CRIT	17 DEPT FND
BKDCO, DRCSN				Y1(N)		3741
18 DEPT LBL	19 SCC	20 WELD CODE	21 WELD GRD	22		
0000						
23 ORIG WELD TOOL	24 DETECT METHOD	25				
26 MATERIAL THICKNESS	27 DEFECT LOC					
ACTUAL	DRAWING					
28 REP ATTEMPT	29					
ISL / OSL						
30	31					
32 REPAIR	33 DEFECT LOCATION					
34 DEFECT LENGTH	35					

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR-02-078	37

CAC 38	CAUSE 1 CORRECTIVE ACTION 100 FEET ABOVE	BADGE	DATE	39	PA&A CAUSE 1 CORRECTIVE ACTION REVIEW	BADGE	DATE	40
SIC	[REDACTED]	[REDACTED]	15/NOV/02	[REDACTED]	[REDACTED]	[REDACTED]	11/26/02	[REDACTED]

DISPOSITION DATA

41 DISPOSITION		42	43 SHOP STAMP		44 INSP STAMP		45 CUST STAMP	
☒ MRB		Block 3 CONT'D: S/N 00000000692 S/N 00000000695 S/N 00000000699 RELIABILITY ASSURANCE [REDACTED] 11/15/02		[REDACTED]		11-19-02 MSS		
		VISUAL INSPECTION 46		PROD OPS X-RAY 47				
		ACCEPT		REJECT		ACCEPT		REJECT
		WELDER 48		PA X-RAY 49				
				ACCEPT		REJECT		
		WELD WIRE ACCEPTANCE 50		PENETRANT 51				
				ACCEPT		REJECT		
Block 42 CONT'D. SUBMIT TO ENG. FOR EVALUATION. [REDACTED] 11/15/02		REPAIR PER SRI W-001 ☐ I ☐ II ☐ III		52 WELD WIRE LAB TICKET		53		
		PCN 54		WELD WIRE LOT NUMBER		55		

Block 19 CONT'D:
Revise to READ 0012

11/15/62

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	1

NCSD NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER	1	ITEM	2	PAGE	3
N062526		4		2	

1 BLOCK 42 CONTINUED
2 * SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.
3 ENG MRB [REDACTED] 11/18/02
4 PAMRB [REDACTED] 11/19/02
5

6 BLOCK 42 CONTD.

7 ALL WORK ON THIS ITEM IS COMPLETE AND ACCEPTABLE.

8 [REDACTED]
9 [REDACTED] 11-19-02
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NCID NONCONFORMANCE

ITEM DATA

NCD NUMBER A1 ITEM A2 PAGE A3
 N062526 5 1

ITEM INITIATION DATA

ITEM 1	PART NUMBER	2	TRACEABILITY NUMBER	3	LOT QTY	4	QTY REJ	5	UOM	6	
5	80911041234-029		0000000519		1		1		EA		
PART NAME		7	PI NUMBER	8	STEP NO	9			SHEET / ZONE / VIEW	10	CA TYPE
BRACKET, ISOLATOR ASSEMBLY										11	101010
DEFECT CODE		12	HOWR CODE	13	CC	14	EE	BADGE	15	FAILURE	16
BKDCBDRCSN										Y (N)	
INITIATED BY		DATE		29	WELD TYPE	23	ORIG WELD TOOL	24		DETECT METHOD	
		11/15/02			T / V / S					☐ VISUAL ☐ X-RAY ☐ PENETRANT	
VALUATION BY		DATE		30	MATERIAL THICKNESS		26	DEFECT LOC		27	
		11-15-2			ACTUAL		DRAWING	ISL / OSL			
RELIABILITY ASSURANCE		BADGE		31	REP ATTEMPT		28	ISL / OSL			
DISCREPANCY DESCRIPTION				32	REPAIR	33	DEFECT LOCATION		34	DEFECT LENGTH	

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
 STP2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
 AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR - 02-078	37

CAC 38	CAUSE & CORRECTIVE ACTION	DATE	39	PAID	DATE	40
SC		11/15/02			11/26/02	

DISPOSITION DATA

41 DISPOSITION		42	SHOP STAMP	43	INSP STAMP	44	CUST STAMP	45
☒ MRB SUBMIT TO ENGR FOR EVALUATION. RA [REDACTED] 11/15/02					MSS 11-15-2			
		VISUAL INSPECTION 46		PROD OPS X-RAY 47				
		ACCEPT REJECT		ACCEPT REJECT				
		WELDER 48		PA X-RAY 49				
		ACCEPT REJECT		ACCEPT REJECT				
		WELD WIRE ACCEPTANCE 50		PENETRANT 51				
		ACCEPT REJECT		ACCEPT REJECT				
		REPAIR PER SRI W-001		52		WELD WIRE LAB TICKET 53		
		PCN		54		WELD WIRE LOT NUMBER 55		

Block 19 CONT'D:
 REVISE TO READ 0012.
 [REDACTED] 11/15/02

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		1-2-3-4-5-6-7-8-9-10	1

BLOCK 42 CONTINUED

SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.

ENG MRB

11/18/02

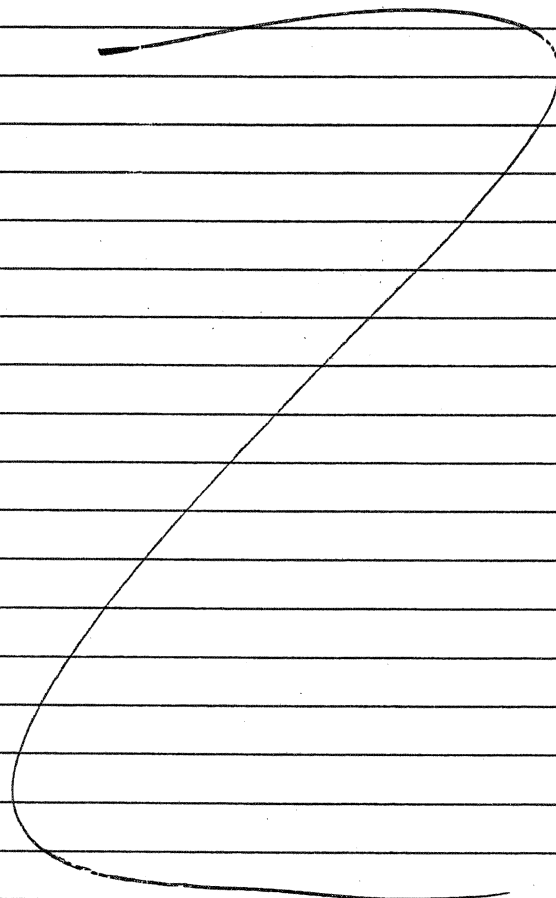
PAMRB

11/19/02

BLOCK 42 CONTD.

ALL WORK ON THIS ITEM IS COMPLETE AND ACCEPTABLE.

PA [REDACTED] 11-19-02



NONCONFORMANCE ITEM DATA

NCD NUMBER	A1	ITEM	A2	PAGE	A3
NO 62526		6		1	

ITEM INITIATION DATA

ITEM 1	PART NUMBER	2 TRACEABILITY NUMBER				3 LOT QTY	4 QTY REJ	5 UOM	6		
6	809/1041234-030	00000000549				1	1	EA			
PART NAME		7 PI NUMBER	8 STEP NO	9 SHEET / ZONE / VIEW			10	CATYPE	11		
BRACKET, ISOLATOR ASSEMBLY								10 / C			
DEFFECT 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
BKDCODRC SN		SZ		Y 10		3741	0000				
INITIATED BY: [REDACTED]		BADGE	DATE	29 WELD TYPE	23 ORIG WELD TOOL			24	DETECT METHOD		25
[REDACTED]		[REDACTED]	11/15/02	T / V / S					☐ VISUAL ☐ X-RAY ☐ PENETRANT		
VAL [REDACTED]		BADGE	DATE	MATERIAL THICKNESS		26	DEFECT LOC		27		
[REDACTED]		[REDACTED]	11-15-2	ACTUAL		DRAWING	ISL / OSL		28		
RELIABILITY ASSURANCE		BADGE	DATE				REP ATTEMPT		28		
							ISL / OSL				
DISCREPANCY DESCRIPTION				32 REPAIR	33	DEFECT LOCATION			34	DEFECT LENGTH	

SUSPECT MS20605 R4 W4 BLIND RIVERS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR - 02 - 078	37

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE	39	PAGE	REVIEW	BADGE	DATE	40
SC			5/26/02					11/26/02	

DISPOSITION DATA

[illegible]

MECD 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		1 2 3 4 5 6 7 8 9 10	

1 BLOCK 42 CONTINUED

2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION

3 ENG MRB [REDACTED] 11/18/02

4 PAMRB [REDACTED] 11/19/02

6 BLOCK 42 CONT'D.

7 ALL WORK ON THIS ITEM IS COMPLETED AND ACCEPTABLE.

9 [REDACTED] 11-19-02

2

NONCONFORMANCE ITEM DATA

NCD NUMBER	A1	ITEM	A2	PAGE	A3
N062526		7		1	

ITEM INITIATION DATA

[illegible]

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR-03-078	37

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE / RUDGE	DATE	39	PAGE	VIEW	RUDGE	DATE	40
SC		15 Nov 07					11/24/02	

DISPOSITION DATA

41 DISPOSITION		42 SHOP STAMP		43 INSP STAMP		44 CUST STAMP		45	
MRB		54		TO		FOR		EVALUATION.	
11-15-2		11-15-2		11-15-2		11-15-2		11-15-2	
Block 19 CONT'D:		REUSE TO READ 0012.		11/15/02		11/15/02		11/15/02	
REPAIR PER SRI W-001		52		WELD WIRE LAB TICKET		53		53	
PCN		54		WELD WIRE LOT NUMBER		55		55	

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

NCSD

NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER	1	ITEM	2	PAGE	3
11062526		7		2	

1 BLOCK 42 CONTINUED

2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.

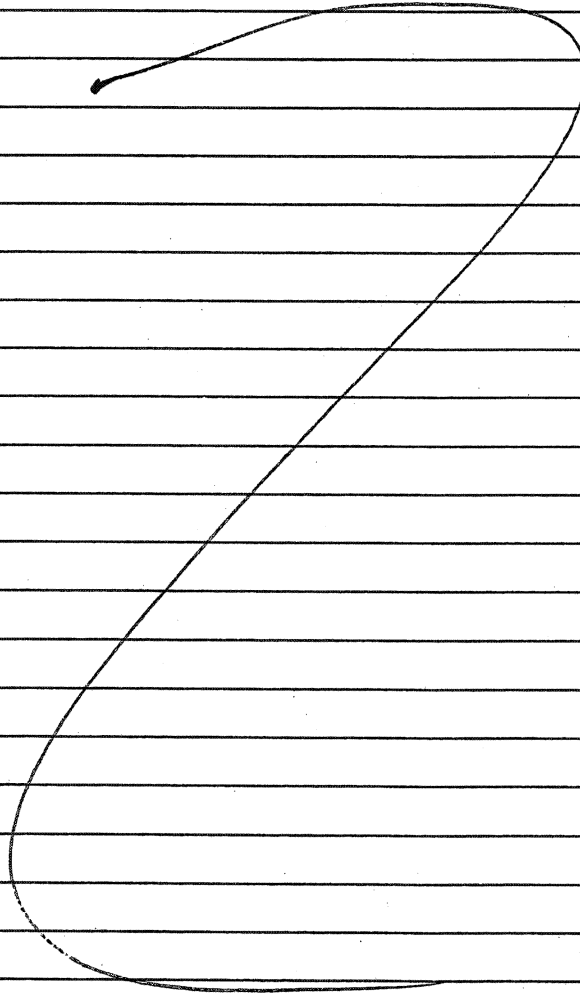
3 ENG MRR [REDACTED] 11/18/02

4 PA/MRS [REDACTED] 11/19/02

6 BLOCK 42 CONT'D.

7 ALL WORK ON THIS ITEM IS COMPLETE AND ACCEPTABLE.

8 [REDACTED]
9 [REDACTED] 11-19-02



NONCONFORMANCE ITEM DATA

NCD NUMBER	A1	ITEM	A2	PAGE	A3
NOG2526		8		1	

ITEM INITIATION DATA

ITEM 1	PART NUMBER	2 TRACEABILITY NUMBER		3 LOT QTY	4 QTY REJ	5 UOM
8	80911041234-640	00000000609		1	1	EA
PART NAME		7 PI NUMBER	8 STEP NO	9 SHEET / ZONE / VIEW		10 CA TYPE
BRACKET, ISOLATOR ASSEMBLY						1 (D) C
DEFECT CODE	12 HDWR CODE	13 CC 14	EE BADGE	15 FAILURE	16 CRIT 17	DEPT FND 18
BKPCQDRC SN		SE		Y (N)		3741 0000
INITIATED BY	BADGE	DATE	29 WELD TYPE	23 ORIG WELD TOOL	24 DETECT METHOD	25
		11/15/02	T / V / S		☐ VISUAL	
	BADGE	DATE	MATERIAL THICKNESS		28 DEFECT LOC	27
		11-15-2	ACTUAL DRAWING		ISL / OSL	
RELIABILITY ASSURANCE	BADGE	DATE	31	REP ATTEMPT		28
				ISL / OSL		☐ PENETRANT
DISCREPANCY DESCRIPTION		32 REPAIR	33 DEFECT LOCATION	34	DEFECT LENGTH	

SUSPECT MS 20605 R4 W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR -02-078	37

CAC 38	CAUSE + CORRECTIVE ACTION	BADGE	DATE	39	REVIEW	BADGE	DATE	40
SC			5/24/02				5/24/02	

DISPOSITION DATA

☒ MRB	DISPOSITION SUBMIT TO ENG. FOR EVALUATION.	42	SHOP STAMP 	43	INSP STAMP 11-19-02	44	CUST STAMP	45
<i>PA [REDACTED] 11-15-02</i>			VISUAL INSPECTION		46	PROD OPS X-RAY		47
			ACCEPT			REJECT		
			WELDER		48	PA X-RAY		49
						ACCEPT		REJECT
Block 19 CONT'D:			WELD WIRE ACCEPTANCE		50	PENETRANT		51
REVISE TO READ 0012						ACCEPT		REJECT
<i>[REDACTED] 11/15/02</i>								
			REPAIR PER SRI W-001		52	WELD WIRE LAB TICKET		53
			☐ I ☐ II ☐ III					
			PCN		54	WELD WIRE LOT NUMBER		55

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

NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER	1	ITEM	2	PAGE	3
11062526		8		2	

1 BLOCK 42 CONTINUED

2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.

3 ENG MRB [REDACTED] 11/18/02

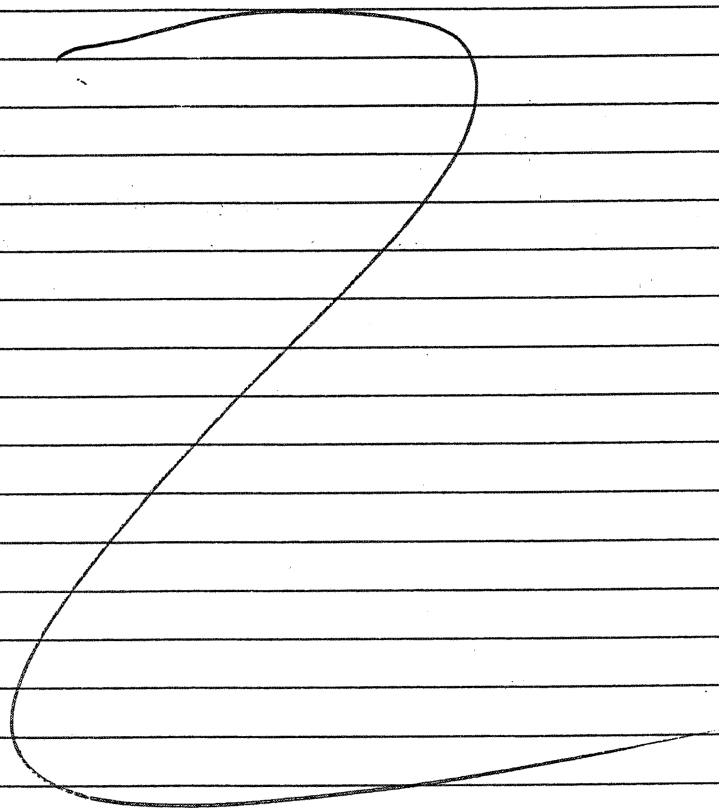
4 PAMRB [REDACTED] 11/19/02

6 BLOCK 42 CONT'D.

7 ALL WORK ON THIS ITEM IS COMPLETE AND ACCEPTABLE.

9 PAMRB [REDACTED] 11-19-2

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36



ITEM DATA

NO. 62526	9	1
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ITEM INITIATION DATA

ITEM 1	PART NUMBER	2	TRACEABILITY NUMBER	3	LOT QTY	4	QTY REJ	5	UOM	6									
9	00911041234-049	7	00000000639	1		1			EA										
PART NAME	PI NUMBER 8 STEP NO			SHEET / ZONE / VIEW			CATY 11												
BRACKET, ISOLATOR ASSEMBLY										10	100C								
DEFECT CODE	12	HDWR CODE	13	CC 14	EE BADGE	15	FAILURE	16	CRIT 17	DEPT FND	18	DEPT LBL	19	WELD CODE	20	WELD GRD	21	22	
BKDC0DRCSN							Y10			3741		0000							
INITIATED BY	BADGE		DATE		29		WELD TYPE		23		ORIG WELD TOOL		24		DETECT METHOD				
			11/5/02				T / V / S								☐ VISUAL ☐ X-RAY ☐ PENETRANT				
VALIDATED BY	BADGE		DATE		30		MATERIAL THICKNESS		26		DEFECT LOC		27						
			11-15-2				ACTUAL				ISL / OSL								
RELIABILITY ASSURANCE	BADGE		DATE		31						REP ATTEMPT		28						
											ISL / OSL								
DISCREPANCY DESCRIPTION										32		REPAIR 33		DEFECT LOCATION		34		DEFECT LENGTH	

SUSPECT MS20605 R4W4 BLIND RIVETS DO NOT MEET
STP 2002 GAPPING OR STP 2003 FLUSHNESS REQUIREMENTS
AS REQUIRED BY ENGINEERING DRAWING.

CAUSE AND CORRECTIVE ACTION DATA

CAUSE	VENDOR ERROR	36
CORRECTIVE ACTION	SCAR-02-078	37

CAC 38	CAUSE & CORRECTIVE ACTION ACCEPTANCE	BADGE	DATE	39	PAGE	40
SC			15 Nov 02			11/26/02

DISPOSITION DATA

41 DISPOSITION		42		43 SHOP STAMP		44 INSP STAMP		45 CUST STAMP	
MRB		SUBMIT TO GUY. FOR EVALUATION.				MS3			
						11-19-2			
				VISUAL INSPECTION 46		PROD OPS X-RAY 47			
				ACCEPT		REJECT		ACCEPT	
								REJECT	
				WELDER 48		PA X-RAY 49			
						ACCEPT		REJECT	
				WELD WIRE ACCEPTANCE 50		PENETRANT 51			
						ACCEPT		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	1 2 3 4 5 6 7 8 9 10

NCSD

NONCONFORMANCE SUPPLEMENTAL DATA

NCD NUMBER	1	ITEM	2	PAGE	3
N 0162526		9		2	

1 BLOCK 42 CONTINUED

2 SEE ATTACHMENT 1-1 FOR ENGINEERING DISPOSITION.

3 ENG MRB

11/18/02

4 PA/MRB

11/19/02

6 BLOCK 42 CONTD.

7 ALL WORK ON THIS NCD IS COMPLIANT AND ACCEPTABLE AND IT'S
8 WITHHELD TAG HAS BEEN DESTROYED.

9 ADI

10 PA/MRB 11-19-02