

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
 AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

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NOTE: OPEN problems denoted by asterisk (*) following problem number.

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
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PROBLEM NO: 11500

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
	MISSILE LAUNCHER	139040-1	1440	01-258-2518	
	MISSILE LAUNCHER	139040-2	1440	01-258-2518	
	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	

EI CNTRL NO: 89-0461

PROB BRIEF : LAU-7; POWER SUPPLY MALFUNCTION

PROBLEM DESCRIPTION : This problem addresses failures of the launcher mechanism assembly power supply (PP-2581).

PREVENTIVE ACTION : Temporary removal of power supply from high humidity areas, such as the flight deck should prevent recurrence. Test the LAU-7 launcher and power supply using the AN/AWM-90 test set.

CORRECTIVE ACTION : Test the LAU-7 and power supply with AN-AWM90 test set and temporarily remove the power supply from high humidity areas. A new power supply is undergoing acquisition to replace the PP2581 power supply.

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	NWTS CHINA LAKE	CODR	N39787-00-0017	21JUN00	CLOSED *
	VFA-113	CODR	R09092-99-0010A	20MAY99	CANCELED*
	VF-211	CODR	R09086-98-0002	21JAN98	OPEN
	VF-211	CODR	R09086-98-0003	21JAN98	CANCELED*
	VMFA-314	CODR	M09230-98-0004	14JAN98	CLOSED *
	VMFA-232	CODR	M09242-97-0014	20AUG97	CLOSED *
	VMFA(AW)-224	CODR	M09439-95-0038	15AUG95	CLOSED *
	HMLA-367	CODR	M09079-95-0031	07JUL95	CLOSED *
	VF-154	CODR/EIR	R09678-94-0014	11AUG94	CLOSED *
	VF-154	CODR/EIR	R09678-94-0015	11AUG94	CLOSED *
	VF-21	CODR	R09073-94-0114	10JUN94	CLOSED *
	VF-21	EMR/EIR	R09073-94-0109	25FEB94	CLOSED *
	VF-21	EMR/EIR	R09073-94-0101	05JAN94	CLOSED *
	VF-84	CODR	V09224-93-0035	13JUL93	CLOSED *
	VFA-204	CODR	V09032-93-0012	02JUL93	CLOSED *
	HMLA-167	CODR	M09898-93-0006	15FEB93	CLOSED *
	VF-41	EMR/EIR	V09774-92-0027	14DEC92	CLOSED *
	VF-41	EMR/EIR	V09774-92-0028	14DEC92	CLOSED *
	VF-41	EMR/EIR	V09774-92-0030	14DEC92	CLOSED *
	VF-41	EMR/EIR	V09774-92-0031	14DEC92	CLOSED *
	VFA-15	EMR	V09015-92-0066	03DEC92	CLOSED *
	VF-2	EMR/EIR	R09113-92-0079	04NOV92	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
VF-2	EMR	R09113-92-0075	27OCT92	CLOSED *
VF-2	EMR/EIR	R09113-92-0065	22SEP92	CLOSED *
VF-202	EMR	V09308-92-0019	03SEP92	CLOSED *
VF-2	EMR/EIR	R09113-92-0053	15AUG92	CLOSED *
VF-14	HMR/EIR	V09084-92-0029	20MAY92	CLOSED *
VF-41	EMR/EIR	V09774-92-0015	29APR92	CLOSED *
VF-41	EMR/EIR	V09774-92-0016	29APR92	CLOSED *
VF-41	EMR/EIR	V09774-92-0007	24MAR92	CLOSED *
VF-41	EMR/EIR	V09774-92-0008	24MAR92	CLOSED *
VF-154	EMR/EIR	R09678-92-0008	08MAR92	CLOSED *
VF-102	EMR/EIR	V09717-92-0016	07MAR92	CLOSED *
VF-102	EMR/EIR	V09717-92-0017	07MAR92	CLOSED *
VF-102	EMR/EIR	V09717-92-0013	14FEB92	CLOSED *
VF-102	EMR/EIR	V09717-92-0014	14FEB92	CLOSED *
VX-4	EMR	R09830-92-0024	12FEB92	CLOSED *
VF-21	EMR	R09073-92-0003	10FEB92	CLOSED *
VF-2	EMR/EIR	R09113-91-0095	23DEC91	CLOSED *
VF-211	EMR	R09086-91-0059	19DEC91	CLOSED *
VF-202	EMR	V09308-91-0037	03DEC91	CLOSED *
VF-74	EMR/EIR	V09060-91-0080	04NOV91	CLOSED *
VF-31	EMR/EIR	V09473-91-0025	03NOV91	CLOSED *
VF-31	EMR/EIR	V09473-91-0024	27OCT91	CLOSED *
NAF WASHINGTON AIMD	PQDR II	N44492-91-0020	20AUG91	CLOSED *
VF-154	EMR/EIR	R09678-91-0035	20AUG91	CLOSED *
VF-1	EMR/EIR	R09012-91-0024	07AUG91	CLOSED *
VF-84	EIR	V09224-91-0038	11JUL91	CLOSED *
VF-74	EMR/EIR	V09060-91-0054	24JUN91	CLOSED *
VF-114	EMR/EIR	R09059-91-0016	16JUN91	CLOSED *
VF-114	EMR/EIR	R09059-91-0017	16JUN91	CLOSED *
VF-114	EMR	R09059-91-0014	12JUN91	CLOSED *
VF-154	EMR/EIR	R09678-91-0026	05JUN91	CLOSED *
VF-114	EMR	R09059-91-0010	07MAY91	CLOSED *
VF-211	EMR	R09086-91-0015	26APR91	CLOSED *
VFA-151	EMR	R09558-91-0032	12APR91	CLOSED *
VFA-151	EMR/EIR	R09558-91-0031	12APR91	CLOSED *
VFA-151	EMR/EIR	R09558-91-0033	12APR91	CLOSED *
VF-41	EMR/EIR	V09774-91-0025	10APR91	CLOSED *
VF-41	EMR/EIR	V09774-91-0026	10APR91	CLOSED *
VF-103	EIR	V09718-91-0040	05MAR91	CLOSED *
VF-31	EMR/EIR	V09473-91-0001	01MAR91	CLOSED *
VF-32	EMR/EIR	V09053-91-0021	17FEB91	CLOSED *
VF-32	EMR/EIR	V09053-91-0027	17FEB91	CLOSED *
VF-143	EMR/EIR	V09281-91-0014	15FEB91	CLOSED *
VF-11	EMR/EIR	V09560-91-0006	01FEB91	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
NAS OCEANA AIMD	PQDR II	N44327-91-0016	28JAN91	CLOSED *
VF-32	EMR/EIR	V09053-91-0002	08JAN91	CLOSED *
VF-2	EMR/EIR	R09113-91-0001	05JAN91	CLOSED *
VF-31	EMR/EIR	V09473-90-0017	17DEC90	CLOSED *
VF-31	EMR/EIR	V09473-90-0018	17DEC90	CLOSED *
VF-2	EMR/EIR	R09113-90-0055	26NOV90	CLOSED *
VF-74	EMR/EIR	V09060-90-0050	15NOV90	CLOSED *
VF-1	EMR/EIR	R09012-90-0064	05OCT90	CLOSED *
VF-74	EMR/EIR	V09060-90-0030	05SEP90	CLOSED *
VF-142	EMR/EIR	V09097-90-0023	24JUL90	CLOSED *
VF-142	EMR	V09097-90-0015	29MAY90	CLOSED *
VF-142	EMR/EIR	V09097-90-0014	27MAY90	CLOSED *
VF-102	EIR	V09717-90-0020	10MAY90	CLOSED *
VF-143	EMR/EIR	V09281-90-0018	03MAY90	CLOSED *
VF-143	EMR/EIR	V09281-90-0020	03MAY90	CLOSED *
VF-14	EMR/EIR	V09084-90-0011	01MAY90	CLOSED *
VF-32	EMR/EIR	V09053-90-0007	02APR90	CLOSED *
VFA-192	EMR	R09076-90-0017	26MAR90	CLOSED *
VF-103	EMR	V09718-90-0016	22MAR90	CLOSED *
MALS-12	PQDR II	M09112-90-0031	21MAR90	CLOSED *
MALS-12	PQDR II	M09112-90-0032	21MAR90	CLOSED *
MALS-12	PQDR II	M09112-90-0033	21MAR90	CLOSED *
VF-111	EMR	R09603-89-0046	06NOV89	CLOSED *
VF-11	EIR	V09560-89-0027	09OCT89	CLOSED *
VFA-192	EMR/EIR	R09076-89-0094	16AUG89	CLOSED *
MALS-14	PQDR II	M09114-89-0059	30MAY89	CLOSED *
VA-42	EMR/EIR	V09062-89-0026A	23MAY89	CLOSED *
NAS WHIDBEY IS AIMD	PQDR II	N44329-89-0074	24MAR89	CLOSED *
VFA-151	EMR	R09558-89-0008	20FEB89	CLOSED *
VFA-151	EMR	R09558-89-0009	20FEB89	CLOSED *
MAG-24	PQDR I	M09382-89-0007	14FEB89	CLOSED *
MALS-31	PQDR II	M09131-88-0184	09SEP88	CLOSED *
NAS CECIL FIELD	PQDR I	N60200-88-0123	23AUG88	CLOSED *
MAG-11	PQDR II	M09233-88-0084	29JUL88	CLOSED *
MALS-31	EIR	M09131-88-0114	06MAY88	CLOSED *
VMFA-312	EMR/EIR	M09253-88-0006A	26APR88	CLOSED *
VF-101	EMR/EIR	V09067-88-0044	21MAR88	CLOSED *
VFA-131	EMR/EIR	R63934-88-0018	06MAR88	CLOSED *
VF-143	EMR	V09281-87-0055	09OCT87	CLOSED *
VF-154	EMR	R09678-87-0008	27FEB87	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

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PROBLEM NO: 11500

(Continued)

ACTION : VF-211 CODR R09086-98-0002 21JAN98 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	139040-2	1440	01-258-2518	
	NOMEN: MISSILE LAUNCHER			
	S/N: MRB-265			
FAILED PART:	139040-2	1440	01-258-2518	
	NOMEN: MISSILE LAUNCHER			

DESCRIPTION:

Upon completion of PMCF, the aircrew reported an inflight class one onboard check AWG-15F failure with CIA PSU ACROS and a fail time of 0056. The ground crew disconnected the LAU-7/A-6 Station one (A) and ran a class one onboard check with no discrepancies noted. With the LAU-7/-6 reconnected to the aircraft, the class one onboard check failed with the same previous results. The LAU-7/A-6 was removed for test and check at the USS Nimitz AIMD with no noted discrepancies. The LAU-7/A-6 was then reinstalled on the aircraft with class one onboard check failures as noted previously. The LAU-7/A-6 was removed and returned to AIMD for PP-2518 Power Supply replacement. The LAU-7/A-6 was then reinstalled on a second aircraft and a class one onboard check failed with the same results. An engineering investigation is requested.

ACTION TAKEN:

22JAN98: Request ship the subject launcher (S/N MRB-265) for an engineering investigation to Raytheon Technical Services Company. Upon receipt of the subject launcher, RTSC Indianapolis will conduct an investigation and advise all concerned of the results.
01SEP00: CFA Review - Investigation ongoing.

ACTION	: ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	INVESTIGATE	22APR98	OPEN
	INDIANAPOLIS/CNPBJK			

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VF-211 MESSAGE 210027ZJAN98	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPBJK MESSAGE 221229ZJAN98	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 01SEP00	REPORT REVIEW

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PROBLEM NO: 11585

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	MISSILE LAUNCHER	139040-1	1440	01-382-5109	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	

EI CNTRL NO:

PROB BRIEF : LAU-7; AFT LATCH ASSEMBLY BROKE OFF

PROBLEM : During a preparation of aircraft, a LAU-7 launcher was discovered
DESCRIPTION where the aft latch assembly had broken off.

PREVENTIVE : None determined.
ACTION

CORRECTIVE : Item was redesigned by ECP 84L0095R1 and has been implemented in
ACTION aviation armament change (AAC-829). LAU-7/A rework corrects discrepancy.

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-125	CODR	R09485-01-0004	09FEB01	CLOSED
	NSAWC FALLON	CODR	N69190-00-0024	14MAR00	CLOSED *
	NSAWC FALLON	HMR/TFOA	N69190-00-0022	10MAR00	CLOSED *
	VMFA-314	EMR	M09230-87-0033	14JUL87	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION :	VFA-125	CODR	R09485-01-0004	09FEB01	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	139040-1	1440	01-382-5109	
	NOMEN: MISSILE LAUNCHER			
	S/N: MW2795			
FAILED PART:	58A164C877	5340	01-255-2216	
	NOMEN: LATCH, FAIRING			

DESCRIPTION:

During a routine cleaning of LAU-7 prior to turn in to AIMD, the technician discovered the aft fairing latch assembly damaged. The launcher was turned over to NAS Lemoore AIMD.

ACTION TAKEN:

14FEB01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. No further action is required. VFA-125's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	RTSC	CLOSE PROBLEM		COMPLETE 14FEB01
	INDIANAPOLIS/CNPCOO			

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
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PROBLEM NO: 11585

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-125 MESSAGE 091810ZFEB01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCCO CFA REVIEW 14FEB01	PROBLEM CLOSING

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
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PROBLEM NO: 12070

CLOSED

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
	MISSILE LAUNCHER	139040-1	1440	01-258-2518	
	MISSILE LAUNCHER	139040-1	1440	01-382-5109	
	LAUNCHER, GUIDED MISSILE	3188AS100	1440	01-382-5109	
	LAUNCHER	3188AS200	1440	01-382-5109	
	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	NITROGEN RECEIVER ASSEMBLY	58A164D556	1440	00-963-9444	
	FORWARD FAIRING ASSEMBLY	58A164D566	1440	00-481-4244	
	AFT FAIRING ASSEMBLY	58A164F882	9999	99-999-9999	
	GUIDED MISSILE LAUNCHER	58A164H792, 58164H89	1440	01-041-8113	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	
	NITROGEN RECEIVER ASSEMBLY	58A164H874	9999	99-999-9999	
	MISSILE LAUNCHER	58A164H891	1440	01-090-0647	
	LAUNCHER, GUIDED MISSILE	58A164H900	1440	01-458-4398	

EI CNTRL NO: 90-0027

PROB BRIEF : LAU-7; FAIRINGS MISSING OR DAMAGED

PROBLEM DESCRIPTION : This problem addresses various incidents in which launcher fairing assemblies were found to be missing, defective, or damaged.

PREVENTIVE ACTION : Check gap tolerances per NA11-75A-54 inspection procedures.

CORRECTIVE ACTION : Hinge pins being replaced in ECP 1099 upgrade to include set screw to prevent pin from backing out.

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	VFA-125	CODR	R09485-01-0026	18APR01	CLOSED
	VMFAT-101	CODR	M09965-01-0009	20MAR01	CLOSED
	VMFA-112	CODR	M08954-01-0005	27FEB01	CLOSED
	VFA-151	CODR	R09558-01-0010	21FEB01	CLOSED
	VFA-125	CODR	R09485-01-0005	09FEB01	CLOSED
	VFA-125	CODR	R09485-01-0006	09FEB01	CLOSED
	VMFA-321	CODR	M67815-01-0003	07FEB01	CLOSED
	VMFA-321	EIR	M67815-01-0002	07FEB01	CLOSED
	VMFA-251	CODR	M09241-00-0013	27SEP00	CLOSED
	VFA-195	HMR/TFOA	R09706-00-0030	21SEP00	CLOSED
	VMFA-112	HMR/TFOA	M08954-00-0012	14JUN00	CLOSED *
	VF-154	CODR	R09678-00-0005	23MAR00	CLOSED *
	VMFA-232	CODR/EIR	M09242-00-0002	04FEB00	CLOSED
	VFA-22	CODR	R09561-00-0001	25JAN00	CLOSED
	VMFA-323	CODR	M09235-00-0001	12JAN00	CLOSED *
	VMFA(AW)-225	CODR	M09232-99-0045	23SEP99	CLOSED

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PROBLEM NO: 12070

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
NSAWC FALLON	HMR/TFOA	N69190-99-0078	16SEP99	CLOSED *
VMFA-321	CODR/EIR	M67815-99-0014	04SEP99	CLOSED
VMFAT-101	CODR	M09965-99-0028	13JUL99	CLOSED *
VFC-12	HMR/TFOA	V52994-99-0011	02MAR99	CLOSED
VMFA-312	CODR	M09253-99-0006	23JAN99	CLOSED *
VMFA(AW)-242	CODR	M09668-98-0013	22SEP98	CLOSED
VFA-113	CODR	R09092-98-0027	24JUN98	CLOSED *
VFA-25	CODR	R09637-98-0035	21JUN98	CLOSED
VFA-25	CODR/EIR	R09637-98-0036	21JUN98	CLOSED
VFA-22	CODR	R09561-98-0039	16JUN98	CLOSED *
VMFA-232	CODR/EIR	M09242-98-0004	19MAR98	CLOSED
VMFA-314	CODR	M09230-98-0007	06FEB98	CLOSED *
VMFA-323	CODR	M09235-98-0002	02FEB98	CLOSED
VFA-25	CODR/EIR	R09637-98-0007	26JAN98	CLOSED
VFA-25	HMR	R09637-98-0004	21JAN98	CLOSED *
VFA-34	HMR/TFOA	V09070-97-0047	26SEP97	CLOSED *
VMA-542	HMR/TFOA	M52847-97-0029	23JUN97	CLOSED *
VFA-136	CODR	V55141-97-0018	08MAY97	CLOSED *
NSAWC FALLON	HMR/TFOA	N69190-97-0023	11APR97	CLOSED *
VFA-147	HMR/TFOA	R63925-97-0012	04APR97	CLOSED *
VFA-147	CODR	R63925-97-0011	01APR97	CLOSED *
VFA-113	CODR/EIR	R09092-97-0006	18MAR97	CLOSED *
VMFA-323	CODR	M09235-96-0033	22OCT96	CLOSED *
MAG-46 DET A	CODR/EMR	M47499-96-0022	11SEP96	CLOSED *
VMA-311	CODR	M09416-96-0029	04SEP96	CLOSED *
VFA-151	CODR	R09558-96-0036	05JUN96	CLOSED *
VFA-195	CODR	R09706-96-0023	26APR96	CLOSED *
VFA-37	CODR	V09478-96-0049	21APR96	CLOSED *
VMA-211	HMR/TFOA	M09412-95-0027	19OCT95	CLOSED *
VFA-125	CODR	R09485-95-0055	01SEP95	CLOSED *
VFA-106	CODR	V09679-95-0060	14AUG95	CLOSED *
VFA-106	CODR	V09679-95-0060A	14AUG95	CLOSED *
VFA-125	CODR	R09485-95-0033	12JUL95	CLOSED *
VMFA-112	HMR/TFOA	M08954-95-0003	07JUL95	CLOSED *
VFA-81	HMR/TFOA	V09221-95-0032	06JUL95	CLOSED *
VFA-86	CODR	V09943-95-0023	06MAR95	CLOSED *
VFA-83	HMR/TFOA	V09223-95-0002	24FEB95	CLOSED *
VFA-106	CODR	V09679-95-0800	24JAN95	CLOSED *
VFA-82	CODR	V09122-94-0044	22DEC94	CLOSED *
VFA-22	CODR	R09561-94-0046	17OCT94	CLOSED *
NAS PATUXENT RIVER	CODR	N0428A-94-0585	09SEP94	CLOSED *
VFA-82	CODR	V09122-94-0018	11AUG94	CLOSED *
VFA-94	CODR	R09295-94-0020	20JUL94	CLOSED *
VMA-223	CODR	M09438-94-0012	09JUN94	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

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PROBLEM NO: 12070

(Continued)

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
NAWS CHINA LAKE	CODR	N68937-94-0016	24MAR94	CLOSED *
VFA-106	CODR	V09679-94-0802	17MAR94	CLOSED *
VFA-137	CODR	V55142-93-0052	24NOV93	CLOSED *
HMLA-367	CODR/EMR	M09079-93-0061	19NOV93	CLOSED *
VFA-146	CODR/EIR	R09063-93-0002	08NOV93	CLOSED *
VMFA-312	CODR	M09253-93-0031	18OCT93	CLOSED *
VFA-81	EMR	V09221-93-0031	15OCT93	CLOSED *
VMFAT-101	CODR	M09965-93-0051	30AUG93	CLOSED *
VMFA-321	EMR	M67815-93-0016	15JUN93	CLOSED *
VMFA-323	EMR	M09235-93-0021	25MAY93	CLOSED *
VMFA-212	EMR	M09434-93-0010	16APR93	CLOSED *
MAG-49 DET A	CODR	M67235-93-0006	26FEB93	CLOSED *
VF-84	EMR	V09224-93-0009	04FEB93	CLOSED *
VFA-131	EMR/EIR	R63934-93-0008	01FEB93	CLOSED *
VMFAT-101	CODR	M09965-92-0065	12NOV92	CLOSED *
VFA-106 DET FALLON	EMR	R46087-92-0028	03NOV92	CLOSED *
VFA-113	EMR	R09092-92-0080	23OCT92	CLOSED *
VMFA-115	EMR	M09234-92-0026	25SEP92	CLOSED *
VFA-131	HMR/TFOA	R63934-92-0055	24SEP92	CLOSED *
VFA-147	EMR	R63925-92-0030	10JUL92	CLOSED *
VFA-131	EMR	R63934-92-0021	30JUN92	CLOSED *
VFA-37	EMR	V09478-92-0031	12JUN92	CLOSED *
MALS-12	EIR	M09112-92-0037	21APR92	CLOSED *
VMFA-251	HMR/TFOA	M09241-92-0024	21APR92	CLOSED *
MALS-11	EIR	M09111-92-0040	08APR92	CLOSED *
MALS-13	PQDR I	M57082-92-0021	20MAR92	CLOSED *
VMFA(AW)-225	HMR/TFOA	M09232-92-0011	02MAR92	CLOSED *
VFA-27	EMR/EIR	R65185-92-0006	11FEB92	CLOSED *
VFA-82	EMR/TFOA	V09122-92-0012	06FEB92	CLOSED *
MAG-42 DET A	EMR/EIR	M67243-92-0004	15JAN92	CLOSED *
VFA-125 DET FALLON	EMR	R55153-91-0021	28OCT91	CLOSED *
VMA-331	HMR	M09498-91-0034	25OCT91	CLOSED *
VFA-125 DET FALLON	EMR	R55153-91-0015	17SEP91	CLOSED *
VMFA-323	EMR	M09235-91-0021	13SEP91	CLOSED *
VFA-203	HMR	V09030-91-0044	22AUG91	CLOSED *
VFA-125	EMR/EIR	R09485-91-0060	08AUG91	CLOSED *
VFA-125	EMR	R09485-91-0058	02AUG91	CLOSED *
VFA-125	EMR	R09485-91-0054	09JUL91	CLOSED *
VMA-211	HMR	M09412-91-0021	24MAY91	CLOSED *
VMAT-203	HMR	M09821-91-0024	15MAY91	CLOSED *
VFA-195	EMR	R09706-91-0022	06MAY91	CLOSED *
VFA-106	EMR	V09679-91-0036	30APR91	CLOSED *
VF-101	EMR	V09067-91-0024	05APR91	CLOSED *
VFA-125	EMR	R09485-91-0037	18MAR91	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
VMA-331	EMR	M09498-91-0012	18FEB91	CLOSED *
VFA-87	HMR	V63922-91-0004	14JAN91	CLOSED *
VFA-136	HMR/EIR	V55141-90-0055	21DEC90	CLOSED *
VF-43	EIR	V09072-90-0053	19DEC90	CLOSED *
VFA-146	EMR	R09063-90-0180	29OCT90	CLOSED *
VFA-305	EMR	R09326-90-0048	29AUG90	CLOSED *
VFA-113	EMR/TFOA	R09092-90-0047	28AUG90	CLOSED *
VFA-305	EMR/TFOA	R09326-90-0047	19AUG90	CLOSED *
VFA-125	EMR/TFOA	R09485-90-0091	13AUG90	CLOSED *
VFA-125	EMR/TFOA	R09485-90-0090	07AUG90	CLOSED *
VMFA-251	EMR/HMR	M09241-90-0073	01AUG90	CLOSED *
VFA-113	EMR	R09092-90-0050	30JUL90	CLOSED *
VMFA-451	EMR/TFOA	M09238-90-0023	07JUL90	CLOSED *
VFA-125	HMR/TFOA	R09485-90-0075	02JUL90	CLOSED *
VFA-125	HMR/TFOA	R09485-90-0076	02JUL90	CLOSED *
VMFA-531	EMR/TFOA	M09190-90-0015	25JUN90	CLOSED *
VMFA-122	EMR/EIR	M09407-90-0011	19JUN90	CLOSED *
VMA-311	EMR	M09416-90-0062	06JUN90	CLOSED *
VMA-223	HMR/TFOA	M09438-90-0028	31MAY90	CLOSED *
VFA-125	HMR/TFOA	R09485-90-0044	10MAY90	CLOSED *
VFA-125	EMR	R09485-90-0032	06APR90	CLOSED *
VFA-125	HMR/TFOA	R09485-90-0031	06APR90	CLOSED *
VMFA-212	EMR	M09434-90-0016	26MAR90	CLOSED *
VMFA-212	EMR	M09434-90-0004	07FEB90	CLOSED *
VX-5	EMR/EIR	R09515-89-0061	14NOV89	CLOSED *
VX-5	HMR	R09515-89-0060	09NOV89	CLOSED *
VFA-106	EMR	V09679-88-0098	28NOV88	CLOSED *
VFA-106	HMR/EIR	V09679-88-0099	28NOV88	CLOSED *
VF-114	EMR/EIR	R09059-88-0051	31OCT88	CLOSED *
USS VINSON (CVN-70)	PQDR II	R20993-88-0077	21AUG88	CLOSED *
VFA-81	HMR/EIR	V09221-88-0013	22JUN88	CLOSED *
MAG-14	PQDR II	M09378-88-0042	13MAY88	CLOSED *
VFA-125	HMR	R09485-88-0010	05FEB88	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VFA-125 CODR R09485-01-0026 18APR01 CLOSED |

END ITEM : PART/DOC. NO. FSC NIIN NALC |

139040-1 1440 01-382-5109 |

NOMEN: MISSILE LAUNCHER

S/N: MW7968

FAILED PART: 58A164F882

NOMEN: AFT FAIRING ASSEMBLY

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

DESCRIPTION:

During a post flight inspection, the ground crew discovered that station one LAU-7 aft fairing was open and a 4x8 inch section missing from the aft fairing. The pilot noted nothing unusual during flight. The launcher was removed and replaced. A faulty aft latch assembly was suspected. This is the fourth incident of this nature for this command in the last five months. The launcher was turned over to NAS Lemoore AIMD for disposition. CFA response was requested.

ACTION TAKEN:

20APR01: This problem has been previously reported and is under investigation. It was requested that the launcher be repaired and returned to service. No further action is required. The incident will be tracked in AWCAP. VFA-125's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM		COMPLETE 20APR01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-125 MESSAGE 182151ZAPR01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
		200832ZAPR01	

ACTION	:	VMFAT-101	CODR	M09965-01-0009	20MAR01	CLOSED
		END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
			3188AS200	1440	01-382-5109	
			NOMEN: LAUNCHER			
			S/N: UNK			
		FAILED PART:	58A164F882	1560	01-265-2262	
			NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

The Quality Assurance Safety Observer inspected and signed an aircraft safe for flight with no discrepancies noted. The aircrew and ground crew completed preflight walk around and final check inspections with no discrepancies noted. The post flight inspection revealed that the aft access door on station one LAU-7 had come open at some point during the flight and the left side aft fairing had broken off. The LAU-7 was turned over to MALS-11 ordnance for repair. It was suspected that the aft fairing assembly opened during flight. All Quality Assurance Safety personnel performing ordnance safe for flight inspections were briefed on the incident and the importance of inspecting the LAU-7 aft fairing door for secure closure. The report was submitted for tracking purposes. CFA response was not requested.

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

ACTION TAKEN:

22MAR01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. Repair launcher and return to service. VMFAT-101's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
		RTSC INDIANAPOLIS/CNPCCO	CLOSE PROBLEM		COMPLETE 22MAR01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFAT-101 MESSAGE 201413ZMAR01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCCO CFA REVIEW 22MAR01	PROBLEM CLOSING

ACTION	:	VMFA-112	CODR	M08954-01-0005	27FEB01	CLOSED	
		END ITEM	:	PART/DOC. NO.	FSC	NIIN	NALC
				58A164H900	1440	01-458-4398	
				NOMEN: LAUNCHER, GUIDED MISSILE			
				S/N: UNK			
		FAILED PART:		58A164F882	1560	01-265-2262	
				NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

After returning from flight, ordnance technicians noticed the aft fairing was damaged on the LAU-7 mounted on aircraft station one. The aft fairing was closed, but a piece of the fairing was missing. The location of missing piece was port aft of launcher and was triangular in shape measuring about 3x4 inches. The LAU-7 launcher was removed and turned over to MALS 41 AIMD. It is suspected that the force from the wind and stresses during flight could have caused material breakdown resulting in the piece breaking off. CFA response was not requested.

ACTION TAKEN:

02MAR01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. No further action is required. VMFA-112's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
		RTSC INDIANAPOLIS/CNPCCO	CLOSE PROBLEM		COMPLETE 02MAR01

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

unusual during the flight. The launcher was removed and replaced. It is suspected that a faulty aft latch assembly caused the discrepancy. The launcher was turned over to NAS Lemoore AIMD and is awaiting disposition instructions. A CFA response and an engineering investigation were requested.

ACTION TAKEN:

15FEB01: This problem has been previously reported and is under investigation. It was requested that the launcher be repaired and returned to service. No further action is required. VFA-125's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 15FEB01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-125 MESSAGE 091510ZFEB01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 150905ZFEB01	PROBLEM CLOSING

ACTION	:	VFA-125	CODR	R09485-01-0006	09FEB01 CLOSED	
		END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
			58A164H900	1440	01-458-4398	
			NOMEN: LAUNCHER, GUIDED MISSILE			
			S/N: 0099-0126			
		FAILED PART:	58A164F882	1560	01-265-2262	
			NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

During a post flight inspection, the maintenance technician discovered station nine aft fairing open and a 3x6 inch section missing from the fairing. Further investigation revealed that the nitrogen bottle was installed. The pilot noted nothing unusual during the flight. The launcher was removed and turned over to NAS Lemoore AIMD. CFA response was requested.

ACTION TAKEN:

15FEB01: This problem has been previously reported and is under investigation. It was requested that the launcher be repaired and returned to service. No further action is required. VFA-125's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 15FEB01

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-125 MESSAGE 091910ZFEB01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	150905ZFEB01	

ACTION :	VMFA-321	CDR	M67815-01-0003	07FEB01	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNK			
FAILED PART:	58A164F882	1560	01-265-2262	
	NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

Upon an aircraft's return from flight, the ground maintenance crew discovered the aft fairing of a LAU-7 launcher was open and approximately 9 1/2 inches of the right side clam shell was torn off. The nitrogen receiver and its clamp were checked for looseness and found to be tight. The safe-for-flight was conducted by certified ordnance personnel. Ordnance personnel advised that each LAU-7 fairing was checked prior to aircraft departure during the pilot's pre-flight inspection and the plane captain's final checks. The LAU-7 was properly configured upon takeoff. The pilot was unsure when the fairing departed aircraft. The aircraft was over water for the majority of the mission. The exhibit was turned over to NAF Washington AIMD 700 division and is awaiting disposition instructions. Material failure is suspected. This is the second incident of this type for this command. CFA response was requested.

ACTION TAKEN:

06SEP01: This problem has been previously reported and is under investigation. It was requested that the launcher be repaired and returned to service. VMFA-321's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	CLOSE PROBLEM		COMPLETE 06SEP01
	INDIANAPOLIS/CNPCOO			

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA-321 MESSAGE 071700ZFEB01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	061327ZSEP01	

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070 (Continued)

ACTION : VMFA-321 EIR M67815-01-0002 07FEB01 CLOSED

END ITEM : PART/DOC. NO. FSC NIIN NALC
58A164H891 1440 01-090-0647
NOMEN: MISSILE LAUNCHER
S/N: UNKNOWN
FAILED PART: 58A164F882 1560 01-265-2262
NOMEN: FAIRING ASSY, AFT

DESCRIPTION:

Pilot returned from flight with no ill effects. Upon inspection of the Aircraft it was discovered that the aft clamshell upper fairing door on the LAU-7, Station 1, had been torn in half. One half is TFOA.

ACTION TAKEN:

15FEB01: Problem has been previously reported and is currently under investigation. No further action is required. Forward launcher to AIMD for repair and return to service. VMFA-321's participation in AWCAP is greatly appreciated. Closing action.

ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS
SUMMARY RTSC CLOSE PROBLEM COMPLETE 15FEB01
INDIANAPOLIS/CNPCCO

REFERENCES : IDENTIFICATION REFERENCE BRIEF
VMFA-321 EI WEBSITE 07FEB01 PROBLEM REPORTED
RTSC INDIANAPOLIS/CNPCCO EI WEBSITE PROBLEM CLOSING
15FEB01

ACTION : VMFA-251 CODR M09241-00-0013 27SEP00 CLOSED

END ITEM : PART/DOC. NO. FSC NIIN NALC
3188AS200 1440 01-382-5109
NOMEN: LAUNCHER
S/N: 8799-0260
FAILED PART: 58A164F882 1560 01-265-2262
NOMEN: FAIRING ASSY, AFT

DESCRIPTION:

An aircraft returned from flight and during the turnaround for the next mission the ground crew noticed a section of the LAU-7 lower aft clam shell, 20 inches in length and 4.5 inches in width, missing. The upper aft clam shell was still locked into place by the aft latch assembly. The LAU-7 was removed and replaced. An inspection of all LAU-7s was conducted and all were found serviceable. The report was submitted for tracking purposes only. The launcher was turned over to MAL-31 for repair. CFA response not requested.

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

ACTION TAKEN:

29SEP00: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. No further action required. VMFA-251's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	:	ACTIVITY/CODE RTSC INDIANAPOLIS/CNPCOO	ASSIGNMENT CLOSE PROBLEM	DUE DATE STATUS COMPLETE 29SEP00
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REFERENCES	:	IDENTIFICATION VMFA-251 MESSAGE 271100ZSEP00 RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 29SEP00	REFERENCE BRIEF PROBLEM REPORTED PROBLEM CLOSING
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ACTION	:	VFA-195	HMR/TFOA R09706-00-0030	21SEP00 CLOSED
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END ITEM	:	PART/DOC. NO. 3188AS200 NOMEN: LAUNCHER, GUIDED MISSILE S/N: 8794-0223	FSC 1440	NIIN 01-458-4568	NALC
FAILED PART:		58A164F882 NOMEN: FAIRING ASSY, AFT	1560	01-265-2262	

DESCRIPTION:

On a routine training mission, the LAU-7 mounted on station nine experienced the aft clamshell opening during flight. The port side of launcher clamshell was discovered to be missing. Incident reported for tracking purposes only. Launcher was turned over to AIMD for repair and return to Ready For Issue status. CFA response was not requested.

ACTION TAKEN:

25SEP00: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. No further action is required. VFA-195's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	:	ACTIVITY/CODE RTSC INDIANAPOLIS/CNPCOO	ASSIGNMENT CLOSE PROBLEM	DUE DATE STATUS COMPLETE 25SEP00
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REFERENCES	:	IDENTIFICATION VFA-195 MESSAGE 211210ZSEP00 RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 25SEP00	REFERENCE BRIEF PROBLEM REPORTED PROBLEM CLOSING
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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

ACTION : VMFA-232 CODR/EIR M09242-00-0002 04FEB00 CLOSED |

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	58A164F882	1560	01-265-2262	
	NOMEN: FAIRING ASSY, AFT			
	S/N: N/A			

DESCRIPTION:

Upon return from flight, the LAU-7 on station one was discovered damaged. The damage occurred during flight. The LAU-7 aft bottom half of clamshell came open and forward edge was torn off. TFOA flash report was sent on 02 FEB 00. CFA response requested.

ACTION TAKEN:

07FEB00: Request ship subject launcher to RTSC Indianapolis for Engineering Investigation. Ship to Raytheon Technical Services Company. Upon receipt of subject LAU-7, RTSC Indianapolis will conduct investigation and advise all concerned of results.

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.

Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assy in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	RTSC	INVESTIGATE		COMPLETE 17OCT01
	INDIANAPOLIS/CNPCOO			

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA-232 MESSAGE 040230ZFEB00	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNP COO MESSAGE 070818ZFEB00	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNP COO MESSAGE 170956ZOCT01	FINAL RESPONSE

ACTION :	VFA-22	CDR	R09561-00-0001	25JAN00	CLOSED
	END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
		58A164H874	1440	01-258-2518	
		NOMEN: MISSILE LAUNCHER			
		S/N: UNKNOWN			
	FAILED PART:	58A164F882	1560	01-265-2262	
		NOMEN: FAIRING ASSY, AFT			
		S/N: N/A			

DESCRIPTION:

Upon recovery of aircraft from functional check flight, ordnance team leader noticed aft fairing came open in flight. Upon further investigation, small crack was found in aft fairing. Removed LAU-7 and turned into NAS Lemoore AIMD for repair. Cause of damage unknown.

ACTION TAKEN:

27JAN00: Request ship subject launcher to RTSC Indianapolis for Engineering Investigation. Ship to Raytheon Technical Services Company. Upon receipt of subject LAU-7, RTSC Indianapolis will conduct investigation and advise all concerned of results.

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.

Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assy in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VFA-22's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	INVESTIGATE		COMPLETE 17OCT01
	INDIANAPOLIS/CNPCOO			

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-22 MESSAGE 252300ZJAN00	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 271230ZJAN00	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01	PROBLEM CLOSING

ACTION :	VMFA(AW)-225	CODR	M09232-99-0045	23SEP99	CLOSED
	END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
		3188AS100	1440	01-382-5109	
		NOMEN: LAUNCHER, GUIDED MISSILE			
		S/N: UNK			
	FAILED PART:	58A164F882	1560	01-265-2262	
		NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

During hot seat evolution, ordnance technician noticed aft clamshell on station one to be open. Ordnance technician immediately went to secure it and noticed lower half of clamshell had departed the aircraft with no damage to surrounding area or flight control surfaces. Turned in to MALS-11 for repair.

ACTION TAKEN:

24SEP99: Ship launcher to RTSC Indianapolis for Engineering Investigation. Upon receipt of LAU-7B/A launcher, RTSC will advise all concerned of results.
09DEC99: Problem has been previously reported and is currently under investigation. Incident will be tracked in AWCAP. VMFA(AW)-225's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	INVESTIGATE		COMPLETE 09DEC99
	INDIANAPOLIS/CNPCOO			

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA(AW)-225 MESSAGE 231600ZSEP99	PROBLEM REPORTED

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF	
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 240843ZSEP99	INITIAL RESPONSE	
	RTSC INDIANAPOLIS/CNPCOO REPORT REVIEW 09DEC99	PROBLEM CLOSING	

ACTION :	VMFA-321	CODR/EIR M67815-99-0014	04SEP99 CLOSED	
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNK			
FAILED PART:	58A164F882	1560	01-265-2262	
	NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

Upon return from flight ground crew discovered aft fairing was opened and a nine and a half inch piece from the right clam shell was missing. The clam shell was open with the N2 bottle tight and clamp closed. The LAU-7/A7 was properly installed on the aircraft in accordance with Technical manual. Further investigation revealed the LAU-7 was properly configured in accordance with Technical Manual. Exhibit turned over to NAF Washington AIMD awaiting disposition instructions.

ACTION TAKEN:

09SEP99: Ship launcher to RTSC Indianapolis for Engineering Investigation.

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Investigation Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.

Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assembly in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing Engineering Change

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

Proposal which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VMFA-321's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE	COMPLETE 17OCT01	

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA-321 MESSAGE 021700ZSEP99	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 090755ZSEP99	INITIAL RESPONSE
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01	FINAL RESPONSE

ACTION	:	VFC-12	HMR/TFOA V52994-99-0011	02MAR99	CLOSED	
		END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
			58A164H874	1440	01-258-2518	
			NOMEN: MISSILE LAUNCHER			
			S/N: MW2036			
		FAILED PART:	58A164F566	1440	00-481-4244	
			NOMEN: AFT FAIRING ASSEMBLY			

DESCRIPTION:

LAU-7 aft clamshell broke in flight. During aircraft turnaround inspection, ground crew found LAU-7 lower aft clamshell open. Further inspection revealed half of forward part of lower clamshell missing. Aircraft was flying functional check flight over water in TACTS range. This incident is indicative of older style LAU-7s. Forward half of one clamshell door broke away from the assembly, aft section remained on LAU-7. Cause of TFOA was due to lower half of clamshell opening, exposing the door to the air stream and breaking the clamshell.

ACTION TAKEN:

03MAR99: Ship launcher to RTSC Indianapolis for Engineering Investigation. Upon receipt of subject launcher, investigation will be conducted and all concerned will be advised of results.
18MAR99: EI exhibit received RTSC 17 Mar 99. RTSC will conduct investigation and advise results. EI tracking number 99-001 applies.
17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.
Investigation Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar. Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assembly in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VFC-12's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	:	RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE	17OCT01	COMPLETE

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
	:	VFC-12 MESSAGE 021600ZMAR99	PROBLEM REPORTED
	:	RTSC INDIANAPOLIS MESSAGE 031255ZMAR99	INITIAL RESPONSE / SHIPPING INSTRUCTIONS
	:	RTSC INDIANAPOLIS MESSAGE 180915ZMAR99	EXHIBIT RECEIPT MESSAGE
	:	RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956Z OCT01	FINAL RESPONSE

ACTION	:	VMFA(AW)-242	CODR	M09668-98-0013	22SEP98	CLOSED
	:	END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	:		3188AS200	1440	01-458-4568	
	:		NOMEN: LAUNCHER, GUIDED MISSILE			
	:		S/N: MW5029			
	:	FAILED PART:	3188AS220	1440	01-458-2645	
	:		NOMEN: FAIRING, LAUNCHER, AFT			

DESCRIPTION:

The aircraft was inspected and signed safe for flight prior to launching on a cross country flight. During the post flight inspection following the fifth flight, the aircrew discovered station one LAU-7 aft fairing assembly had opened in flight and was missing approximately an eight inch by four inch portion of the fairing. Further inspection revealed the nitrogen receiver retention assembly was loose.

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

ACTION TAKEN:

30SEP98: Request ship the LAU-7 launcher to RTSC Indianapolis for an engineering investigation. Upon receipt of the subject launcher, Indianapolis will conduct an investigation and advise all concerned of the results.

09DEC98: Problem has been previously reported and is currently under investigation. Incident will be tracked in AWCAP. VMFA(AW)-242's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE PROBLEM		COMPLETE 09DEC98

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA(AW)-242 MESSAGE 220531ZSEP98	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPBJK MESSAGE 302031ZSEP98	INITIAL RESPONSE
		RTSC INDIANAPOLIS/CNPBJK CFA REVIEW 09DEC98	PROBLEM CLOSING

ACTION	:	VFA-25	CODR	R09637-98-0035	21JUN98	CLOSED	
		END ITEM	:	PART/DOC. NO.	FSC	NIIN	NALC
				3188AS200	1440	01-382-5109	
				NOMEN: LAUNCHER			
				S/N: 1099-54			
		FAILED PART:		3188AS220	1440	01-458-2645	
				NOMEN: FAIRING, LAUNCHER, AFT			

DESCRIPTION:

During flight, the pilot noticed the aft fairing doors of station one LAU-7 open and returned to base with no further incident. The recovery ordnance crew noticed the LAU-7 Clam Shell Fairing Assembly latching mechanism would not close properly. The launcher was turned in to AIMD for repair. The intermediate maintenance ordnance technician discovered the LAU-7 aft fairing assembly was worn where the aft fairing latch secures the fairing doors when closed. It was also noticed that minimal pressure was required to latch and unlatch the aft launcher doors.

ACTION TAKEN:

30JUN98: Request ship the subject launcher for an engineering investigation. Upon receipt of the subject launcher, RTSC Indianapolis will conduct an investigation and advise all concerned of the results.

22JUL98: Request Engineering Investigation exhibit shipping status.

29JUL98: An ongoing investigation is being conducted by RTSC Indianapolis. Require the serial number of the launcher reported in

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

deficiency report for identification/evaluation purposes.
 25AUG98: Serial number is 1099-54.
 01SEP98: Our records indicate the launcher is still in squadron custody. Per Indianapolis, the launchers are still required to complete the investigation. Request ship the subject launcher directly to RTSC Indianapolis. For USS Abraham Lincoln, if launcher is in your possession, mark for Engineering Investigation and ship to RTSC Indianapolis.
 08SEP98: Located the subject LAU-7 launcher at USS Abraham Lincoln AIMD. Exhibits will be shipped as requested by RTSC Indianapolis.
 26SEP98: Engineering investigation exhibits were shipped under TCN R21297-8256-XA97. Equipment history record cards were packed with the equipment.
 01SEP00: CFA Review - Investigation ongoing.
 18OCT01: Results: Nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. Recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.
 Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.
 Recommendations: Ensure nitrogen receiver is securely held by retention assembly in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed in accordance with Technical Manual NAVAIR 11-75A-54 prior to flight. RTSC Indianapolis is currently writing Engineering Change Proposal (ECP) which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VFA-25's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE PROBLEM	18OCT01	COMPLETE

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-25 MESSAGE 211211ZJUN98	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPBJK MESSAGE 300741ZJUN98	INITIAL RESPONSE
		VFA-25 MESSAGE 221213ZJUL98	EI EXHIBIT SHIPPING STATUS
		NAS LEMOORE MESSAGE 290107ZJUL98	EI EXHIBIT SHIPPING STATUS
		VFA-25 MESSAGE 251210ZAUG98	EI EXHIBIT SERIAL NUMBER
		NAS LEMOORE MESSAGE 010108ZSEP98	EI EXHIBIT SHIPPING STATUS
		VFA-25 MESSAGE 081211ZSEP98	EI EXHIBIT SHIPPING STATUS

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	USS LINCOLN (CVN-72) MESSAGE	EI EXHIBIT SHIPPING DATA
	261114ZSEP98	
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	REPORT REVIEW
	01SEP00	
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	180956Z0CT01	

ACTION :	VFA-25	CODR/EIR R09637-98-0036	21JUN98 CLOSED
	END ITEM :	PART/DOC. NO.	FSC NIIN NALC
		3188AS200	1440 01-382-5109
		NOMEN: LAUNCHER	
		S/N: 8799-0192	
	SUB-ASSY :	3188AS220	1440 01-458-2645
		NOMEN: FAIRING, LAUNCHER, AFT	
	FAILED PART:	3188AS230	1440 01-458-0298
		NOMEN: LATCH ASSY, AFT FAIRING	

DESCRIPTION:

Aircraft was launched from NAS Lemoore for carrier qualifications on board USS Lincoln. Upon landing, the ordnance crew noticed the aft fairing doors of station one LAU-7 were open. Closer scrutiny of the LAU-7 aft Clam Shell Fairing Assembly revealed the latching mechanism would close and open with minimal resistance. The launcher was turned in to USS Abraham intermediate maintenance for inspection, which revealed that the LAU-7 aft fairing door latch did not have enough tension to properly secure the doors. Recommend use of a spring clip latch on the aft fairing assembly. The current latch does not have a locking mechanism (spring-loaded) as does the LAU-7B/A.

ACTION TAKEN:

30JUN98: Request ship the subject launcher for an engineering investigation. Upon receipt of the subject launcher, RTSC Indianapolis will conduct an investigation and advise all concerned of the results.
22JUL98: Request Engineering Investigation exhibit shipping status.
29JUL98: An ongoing investigation is being conducted by RTSC Indianapolis. Require the serial number of the launcher reported in the deficiency report for identification/evaluation purposes.
25AUG98: Serial number is 8799-0192.
01SEP98: Our records indicate the launcher is still in squadron custody. Per Indianapolis, the launchers are still required to complete the investigation. Request ship the subject launcher directly to RTSC Indianapolis. For USS Abraham Lincoln, if launcher is in your possession, mark for Engineering Investigation and ship to RTSC Indianapolis.

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

08SEP98: Located the subject LAU-7 launcher at USS Abraham Lincoln AIMD. Exhibits will be shipped as requested by RTSC Indianapolis.
26SEP98: Engineering investigation exhibits were shipped under TCN R21297-8256-XA97. Equipment history record cards were packed with the equipment.

01SEP00: CFA Review - Investigation ongoing.

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Investigation Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.
Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assembly in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing Engineering Change Proposal which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VFA-25's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE PROBLEM	COMPLETE 17OCT01	

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-25 MESSAGE 211210ZJUN98	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPBJK MESSAGE 300741ZJUN98	INITIAL RESPONSE
		VFA-25 MESSAGE 221213ZJUL98	EI EXHIBIT SHIPPING STATUS
		NAS LEMOORE MESSAGE 290107ZJUL98	EI EXHIBIT SHIPPING STATUS
		VFA-25 MESSAGE 251210ZAUG98	EI EXHIBIT SERIAL NUMBER
		NAS LEMOORE MESSAGE 010108ZSEP98	EI EXHIBIT SHIPPING STATUS
		VFA-25 MESSAGE 081211ZSEP98	EI EXHIBIT SHIPPING STATUS
		USS LINCOLN (CVN-72) MESSAGE 261114ZSEP98	EI EXHIBIT SHIPPING DATA
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01	LAU-7 EI FINAL RESPONSE

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

ACTION : VMFA-232 CODR/EIR M09242-98-0004 19MAR98 CLOSED |

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	58A164F882	1560	01-265-2262	
	NOMEN: FAIRING ASSY, AFT			

DESCRIPTION:

Upon return from flight, the LAU-7 on station nine was discovered damaged. The damage occurred during flight. The LAU-7 clamshell came open and one side was torn off. Clamshells are loose from flight/fatigue and occasionally come back open or half open. |

ACTION TAKEN:

08MAY98: Request ship the subject launcher for an engineering investigation. Upon receipt of the subject launcher, RTSC Indianapolis will conduct an investigation and advise all concerned of the results. |

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.

Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by retention assy in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	RTSC	INVESTIGATE PROBLEM		COMPLETE 17OCT01
	INDIANAPOLIS/CNPBJK			

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AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 12070

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA-232 MESSAGE 190201ZMAR98	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPBJK MESSAGE 081228ZMAY98	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01	FINAL RESPONSE

ACTION : VMFA-323 CODR M09235-98-0002 02FEB98 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	3188AS220	1440	01-458-2645	
	NOMEN: FAIRING, LAUNCHER, AFT			

DESCRIPTION:

After the aircraft returned from flight, the ground crew observed that the aft fairing assembly on Station nine was open. When the ground crew secured the fairing assembly, they noticed a two inch by two inch section of the fairing assembly opened during flight and the vibration at the wing tip caused a piece of the fairing to crack and fall off. The aft fairing assembly is now very difficult to close.

ACTION TAKEN:

09FEB98: Request ship the subject launcher to RTSC Indianapolis for investigation. Upon receipt of the subject launcher, Indianapolis will conduct an investigation and advise all concerned of the results.

10FEB98: NAWC Pt Mugu retransmitted the message to RTSC Indianapolis.

17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated. Some incidents reported loss of nitrogen receiver.

Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.

Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.

Recommendations: Ensure nitrogen receiver is securely held by

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

retention assy in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VMFA-323's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE PROBLEM	17OCT01	COMPLETE

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA-323 MESSAGE 020800ZFEB98	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPBJK MESSAGE 090831ZFEB98	INITIAL RESPONSE
		NAWC PT MUGU MESSAGE 100526ZFEB98	PROBLEM RETRANSMITTAL
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01	FINAL RESPONSE

ACTION	:	VFA-25	CODR/EIR R09637-98-0007	26JAN98	CLOSED
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		PART/DOC. NO.	FSC	NIIN	NALC
END ITEM	:	139040-1	1440	01-382-5109	
		NOMEN: MISSILE LAUNCHER			
		S/N: UNKNOWN			
FAILED PART:		139040-1	1440	01-382-5109	
		NOMEN: MISSILE LAUNCHER			

DESCRIPTION:

After takeoff, wing man noticed station nine LAU-7B/A-6 Aircraft Guided Missile Launcher aft fairing assembly had opened. Aircrew descended and landed aircraft. During post flight inspection, aircrew discovered aft fairing doors were open and a small portion was missing from the left hand door.

ACTION TAKEN:

02FEB98: Deficiency was readdressed to RTSC Indianapolis for action.
 25FEB98: VFA-25 requested response to deficiency report.
 02MAR98: RTSC Indianapolis received fax copy of NAWC Pt Mugu's readdressal.
 02MAR98: Requested VFA-25 ship subject launcher to RTSC Indianapolis for an engineering investigation. Upon receipt of the subject launcher, RTSC Indianapolis will conduct an investigation and advise all concerned of the results.
 17OCT01: Various incidents of LAU-7 missile launcher aft fairings opening/fracturing/falling-off during flight have been investigated.

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 12070

(Continued)

Some incidents reported loss of nitrogen receiver.
 Results: Many nitrogen retention assemblies were found to be loose and or missing their liner. This condition may cause the bottle to become loose and impact the aft fairing doors forcing them to open and possibly break and depart the launcher. All of the recovered doors that were fractured show evidence that they have received impact damage from the blast shield. This occurs when the doors are closed before being slid fully aft on the snubber bar.
 Conclusions: Analysis of available data indicates that while there are many contributing conditions that decrease the ability of the aft fairing to remain latched, there is no known factor that is present in all events that can be determined to cause the fairing to open.
 Recommendations: Ensure nitrogen receiver is securely held by retention assy in accordance with Technical Manual NAVAIR 11-75A-54 after bottle installation. Ensure aft fairing is properly closed prior to flight in accordance with NAVAIR 11-75A-54. LAU-7 Launcher Fleet Support Team is currently writing ECP which will replace bottle clamp retention spring for improved bottle clamping and redesign blast shield to eliminate aft fairing damage during operations and maintenance. VFA-25's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPBJK	INVESTIGATE PROBLEM		COMPLETE 17OCT01
REFERENCES	:	IDENTIFICATION		REFERENCE BRIEF	
		VFA-25 MESSAGE 261211ZJAN98		PROBLEM REPORTED	
		NAWC PT MUGU/321200E MESSAGE 020426ZFEB98		PROBLEM READDRESSAL	
		VFA-25 MESSAGE 251211ZFEB98		PROBLEM RESPONSE REQUEST	
		NAWC PT MUGU/321200E FAX 02MAR98		PROBLEM FORWARDED BY FAX	
		RTSC INDIANAPOLIS/CNPBJK MESSAGE 021331ZMAR98		PROBLEM INITIAL RESPONSE	
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 170956ZOCT01		FINAL RESPONSE	

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13103 CLOSED

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
	LAUNCHER	3188AS200	1440	01-382-5109	
	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	
	MISSILE LAUNCHER	58A164H891	1440	01-090-0647	
	LAUNCHER, GUIDED MISSILE	58A164H900	1440	01-458-4398	

EI CNTRL NO: 00-0004

PROB BRIEF : LAU-7; NITROGEN RECEIVERS LOST IN FLIGHT

PROBLEM DESCRIPTION : Postflight inspections discovered aft fairing open and the nitrogen receiver missing.

PREVENTIVE ACTION : Adherence to established procedures when replacing nitrogen receiver assemblies will minimize occurrences of this nature. Note that AWCAP problem 11348 refers to broken receiver retention springs which pose a similar hazard.

CORRECTIVE ACTION : Redesigned Band spring on the retention band. Retention latch has improved design stay closed and provide a visual cue to indicate open or closed.

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	NWTS PT MUGU	CODR	N39788-99-0102	30NOV99	CLOSED
	NWTS PT MUGU	HMR/TFOA	N39788-99-0101	29NOV99	CLOSED *
	VFA-25	CODR/EIR	R09637-98-0033	04JUN98	CLOSED *
	VFA-25	HMR/TFOA	R09637-98-0032	22MAY98	CLOSED *
	NSAWC FALLON	HMR/TFOA	N69190-98-0037	03APR98	CLOSED *
	VMFA-323	CODR	M09235-97-0034	31JUL97	CLOSED *
	VFA-97	CODR	R63923-94-0009	17JUN94	CLOSED *
	VF-24	HMR	R09932-89-0066	09NOV89	CLOSED *
	VF-142	EMR/HMR	V09097-89-0034	28JUL89	CLOSED *
	VF-74	EMR	V09060-88-0076	30NOV88	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : NWTS PT MUGU CODR N39788-99-0102 30NOV99 CLOSED

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	58A164D985	5340	01-458-4385	
	NOMEN: RECEIVER ASSY, RETENTION CLAMP			
	S/N: N/A			

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 13103

(Continued)

DESCRIPTION:

During post flight inspection ordnance personnel noticed the aft clam shell of LAU-7 missile launcher open. Upon further inspection the nitrogen bottle and retention band assembly spring were found to be missing. Suspected cause is retention assembly spring failure, allowing nitrogen receiver assembly to vibrate loose and fall out of LAU-7 launcher. No CFA response requested.

ACTION TAKEN:

06DEC99: Request ship subject launcher to RTSC Indianapolis for Engineering Investigation. Ship to Raytheon Technical Services Company. Upon receipt of subject LAU-7, RTSC Indianapolis will conduct investigation and advise all concerned of results.
23FEB00: Problem has been previously reported and is currently under investigation. Incident will be tracked in AWCAP. NWTS PT MUGU's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE		COMPLETE 23FEB00

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		NWTS PT MUGU MESSAGE 301030ZNOV99	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 061313ZDEC99	INITIAL RESPONSE
		RTSC INDIANAPOLIS/CNPCOO REPORT REVIEW 23FEB00	PROBLEM CLOSING

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13921

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	
	LAUNCHER, GUIDED MISSILE	58A164H900	1440	01-458-4398	

EI CNTRL NO:

PROB BRIEF : LAU-7; BLAST SHIELD FALLING OFF

PROBLEM : Blast shield fell off aircraft. Screws were sheared/missing.
DESCRIPTION

PREVENTIVE : Adherence to established maintenance procedures would preclude
ACTION subsequent occurrences/failures of this type in the future.

CORRECTIVE : Return suspect launcher to AIMD for repair.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-147	HMR/TFOA	R63925-01-0012	18JUN01	CLOSED
	VFA-192	CODR	R09076-00-0027	06DEC00	CLOSED
	VFA-192	HMR/TFOA	R09076-00-0026	29NOV00	CLOSED
	VFA-115	HMR/TFOA	R09604-00-0001	14JAN00	CLOSED *
	VFA-15	HMR/TFOA	V09015-98-0020	01MAY98	CLOSED *
	VFA-132	HMR/TFOA	V63935-90-0008	02FEB90	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VFA-147 HMR/TFOA R63925-01-0012 18JUN01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H900	1440	01-458-4398	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNK			
FAILED PART:	58A164D984	1440	01-462-4770	
	NOMEN: SHIELD, BLAST			

DESCRIPTION:

The LAU-7 mounted on station one was discovered to be missing the blast shield assembly during a post flight inspection. The shield was not recovered. The cause was unknown, but most likely occurred during a high speed high angle of attack maneuver, conducted in an unpopulated area. CFA response was not requested.

ACTION TAKEN:

20JUN01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency for tracking purposes only. No further action is required. VFA-82's participation in AWCAP is greatly appreciated. Closing action.

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13921

(Continued)

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM		COMPLETE 20JUN01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-147 MESSAGE 181453ZJUN01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 20JUN01	PROBLEM CLOSING

ACTION :	VFA-192	CODR	R09076-00-0027	06DEC00	CLOSED
END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC	
	3188AS200	1440	01-458-4568		
	NOMEN: LAUNCHER, GUIDED MISSILE				
	S/N: 8799-0893				
FAILED PART:	58A164D884	1440	01-265-2417		
	NOMEN: BLAST SHIELD				

DESCRIPTION:

During a one time inspection of the squadron's LAU-7 launchers, ordnance technicians discovered station one's blast shield missing from launcher. No other discrepancies were noted. The launcher was removed and turned into AIMD for repair. It was suspected that the screw threads were not properly sealed, allowing them to back out during flight and causing the blast shield to depart from the launcher. Launcher was turned over to AIMD for repair. CFA response was requested.

ACTION TAKEN:

09JAN01: VFA-192 was advised to replace the missing blast shield on the LAU-7B/A-1 missile launcher and return the launcher to service. No further action required. VFA-192's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM		COMPLETE 12JAN01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-192 MESSAGE 061100ZDEC00	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 090909ZJAN01	PROBLEM CLOSING

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13921

(Continued)

ACTION : VFA-192 HMR/TFOA R09076-00-0026 29NOV00 CLOSED |

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: 8799-0909			
FAILED PART:	3188AS205	1440	01-458-0434	
	NOMEN: SHIELD, BLAST			

DESCRIPTION:

During an aircraft preflight inspection, the ordnance technician discovered the blast shield missing from the launcher on station nine. No other damage was noted on the launcher. The launcher was removed and turned in to AIMD for repair. A one-time inspection of all launchers revealed one other LAU-7B/A-1 blast shield missing and several with loose screws. The launchers with loose screws used p/n 58A164D884. Launchers using p/n 58A164D894 checked good. Additionally, 9 of 16 LAU-7B/A-1 launchers inspected had missing or loose screws for the blast shield, retention receiver assembly, and fitting assembly. The suspected cause is thread locking sealing compound (MIL-S-46163, Type II, Grade O) not applied to threads during installation of screws. An inspection of loose screws indicated no evidence of sealing compound on threads. It was request that VFA-192 be authorized to apply sealing compound to loose screws found during the one-time inspection and return the launchers to service. If further problems exist, launchers will be turned in to AIMD for repair. CFA responses was requested.

ACTION TAKEN:

01FEB01: Authorization to apply sealing compound to loose screws found during one time inspection was granted. VFA-192's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	CLOSE PROBLEM		COMPLETE 01FEB01
	INDIANAPOLIS/CNPCOO			

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-192 MESSAGE 291100ZNOV00	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	010744ZFEB01	

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15053

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
	MISSILE LAUNCHER	139040-1	1440	01-258-2518	
	LAUNCHER, GUIDED MISSILE	3188AS100	1440	01-382-5109	
	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	
	MISSILE LAUNCHER	58A164H891	1440	01-090-0647	

EI CNTRL NO: 99-0027

PROB BRIEF : LAU-7; STORE CAME OFF LAUNCHER

PROBLEM : Missile came off launcher during takeoff or in flight.
DESCRIPTION

PREVENTIVE : Continue vigorous preflight and turnaround inspection of launcher.
ACTION Ensure mechanism assembly mounting screws are securely tightened and that push/pull extension arm screws are tightened. Ensure detent block meets measurement requirements of NA11-75A-54.

CORRECTIVE : Not determined.

CORRECTIVE :

CORRECTIVE : Note: These problems were previously in AWCAP 13161.

ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	VMFA(AW)-121	CODR	M09257-01-0012	23MAY01	CLOSED
	VMFAT-101	CODR	M09965-00-0060	13NOV00	CLOSED
	VMFAT-101	CODR	M09965-00-0061	13NOV00	CLOSED
	VFA-37	CODR/EIR	V09478-00-0024	06AUG00	CANCELED
	VF-14	CODR/EIR	V09084-00-0016	28JUL00	OPEN
	VFA-105	CODR/EIR	V65183-00-0011	31MAY00	CLOSED *
	VMA-223	CODR/EIR	M09438-98-0041A	11DEC98	CLOSED *
	MAWTS-1	CODR/EIR	M55167-98-0019	18OCT98	CLOSED *
	VFA-131	CODR/EIR	R63934-97-0048	11NOV97	CLOSED *
	VFA-27	CODR/EIR	R65185-97-0023	23APR97	CLOSED *
	VFA-151	CODR/EIR	R09558-95-0064	08SEP95	CLOSED *
	VFA-136	EMR	V55141-92-0019	16MAR92	CLOSED *
	VFA-146	EMR/EIR	R09063-91-0019	31MAR91	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15053 (Continued)

ACTION : VMFA(AW)-121 CODR M09257-01-0012 23MAY01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: 8799-0182			
FAILED PART:	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			

DESCRIPTION:

When an FA-18D transitioned during take off, the AN/ASQ-T17 pod departed the aircraft and impacted on the runway. The aircraft was loaded the night before. The preflight inspections by the air and ground crews were conducted as normal. The post flight inspection of the LAU-7B/A-1 did not reveal any discrepancies. The command researched similar incidents, and found numerous incidents of the same magnitude. The research found that the "push, pull detent test" is no longer required during intermediate level maintenance. The maintenance crew was unable to determine why the pod departed the aircraft. The LAU-7 was turned over to MALS 11 and the AN/ASQ-T17 was returned to cubic. An engineering investigation and a CFA response were requested.

ACTION TAKEN:

05JUN01: This problem had been previously reported and is undergoing an engineering investigation. It was requested that the launcher be shipped to RSTC Indianapolis for EI exhibit. The incident will be tracked in AWCAP and all concerned will be notified of EI results.
21AUG01: Investigation results: the launcher contained a -3 mechanism assembly. Measurements of detent lug protrusion of both the forward and aft detent lugs fell within the allowed tolerances. The distance between the lugs was also within the drawing specifications. The launcher passed all the electrical tests and passed the push/pull tests to 2200 pounds. The mechanism assembly showed no signs of mechanical failure. The detent/detent lock gap measurements were also within tolerance.
Conclusions: Detailed inspection of the EI exhibit revealed no abnormalities which would contribute to the pod loss during takeoff. Launcher shall be returned to service. This is closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
	RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE REPORT	COMPLETE 21AUG01

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VMFA(AW)-121 MESSAGE 230511ZMAY01	PROBLEM REPORTED

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15053

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 050817ZJUN01	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 211206ZAUG01	FINAL RESPONSE TO CODR REPORT

ACTION : VMFAT-101 CODR M09965-00-0060 13NOV00 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	58A164H874	1440	01-258-2518	
	NOMEN: MISSILE LAUNCHER			
	S/N: MW1615			
FAILED PART:	58A164H874	1440	01-258-2518	
	NOMEN: MISSILE LAUNCHER			

DESCRIPTION:

An aircraft was loaded at night with quality assurance safety observer present. Prior to its launch a second quality assurance safety observer inspected and signed the aircraft safe for flight. Upon its return the ground crew noticed the tactical pod had departed from the aircraft. The LAU-7 was removed and replaced, then turn over to MALS-11 upon return from detachment. It was suspected that the tactical pod was improperly loaded and not inspected properly. Loading and safing safety observer failed to follow check list. Both safety observer's were decertified, and weapons training was held at squadron level. CFA response was not requested.

ACTION TAKEN:

19DEC00: VMFAT-101 requested engineering investigation on incident.
02JAN01: This problem had been previously reported and is undergoing an engineering investigation. It was requested that the launcher be shipped to RTSC Indianapolis for EI exhibit. The incident will be tracked in AWCAP and all concerned will be notified of EI results.
11JUL01: Reported separate incidents where upon return from flight TACTS pods had departed aircraft. TACTS pods were not recovered. Investigation results: Both launchers contained -3 mechanism assemblies. Both launchers passed electrical tests. Mechanical checks of the launchers were nominal. Unable to determine if TACTS pods departed launchers forward or aft.
Conclusions: Detailed inspection of the EI exhibit revealed no abnormalities which would contribute to the TACTS pod losses during flight. Launchers should be returned to service. VMFAT-101's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
	RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE	COMPLETE 11JUL01

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15053

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFAT-101 MESSAGE 130805ZNOV00	PROBLEM REPORTED
	VMFAT-101 MESSAGE 190355ZDEC00	REQUESTED EI
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 020750ZJAN01	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 110805ZJUL01	FINAL RESPONSE

ACTION : VMFAT-101 CODR M09965-00-0061 13NOV00 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS100	1440	01-382-5109	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: MW3541			
FAILED PART:	3188AS100	1440	01-382-5109	
	NOMEN: LAUNCHER, GUIDED MISSILE			

DESCRIPTION:

An aircraft was loaded at night with quality assurance safety observer present. Prior to its launch a second quality assurance safety observer inspected and signed the aircraft safe for flight. Upon its return the ground crew noticed the tactical pod had departed from the aircraft. The LAU-7 was removed and replaced, then turn over to MALS-11 upon return from detachment. It was suspected that the tactical pod was improperly loaded and not inspected properly. Loading and safing quality assurance safety observer failed to follow check list. Both safety observer's were decertified, and weapons training was held at squadron level. CFA response was not requested.

19DEC00: VMFAT-101 requested engineering investigation on incident.

ACTION TAKEN:

02JAN01: This problem had been previously reported and is undergoing an engineering investigation. It was requested that the launcher be shipped to RTSC Indianapolis for EI exhibit. The incident will be tracked in AWCAP and all concerned will be notified of EI results.

11JUL01: Reported separate incidents where upon return from flight TACTS pods had departed aircraft. TACTS pods were not recovered. Investigation results: Both launchers contained -3 mechanism assemblies. Both launchers passed electrical tests. Mechanical checks of the launchers were nominal. Unable to determine if TACTS pods departed launchers forward or aft.

Conclusions: Detailed inspection of the EI exhibit revealed no abnormalities which would contribute to the TACTS pod losses during flight. Launchers should be returned to service. VMFAT-101's participation in AWCAP is greatly appreciated. Closing action.

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15053

(Continued)

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE REPORT		COMPLETE 11JUL01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFAT-101 MESSAGE 130951ZNOV00	PROBLEM REPORTED
	VMFAT-101 MESSAGE 190355ZDEC00	EI REQUEST FOR PROBLEM
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 020750ZJAN01	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO MESSAGE 110805ZJUL01	FINAL RESPONSE

ACTION :	VFA-37	CODR/EIR V09478-00-0024	06AUG00	CANCELED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	58A164D810-3	1440	01-413-3910	
	NOMEN: MECHANISM ASSY			

DESCRIPTION:

During a catapult Launch onboard CVN-75 the AIP-FW (LATR pod) departed from station nine and landed on the flight deck. AIP-FW was recovered and turned over to USS Harry S Truman weapons department. Aircraft aborted mission and safely recovered aboard CVN-75. Visual inspection of aircraft revealed no damage to aircraft or LAU-7. CFA response requested. Turned in LAU-7 to AIMD for push/pull inspection. Inspection was performed and mechanism assembly failed. Holding onboard CVN-75 AIMD, awaiting disposition. Request engineering investigation on LAU-7 mechanism assembly.

ACTION TAKEN:

08AUG00: Request ship subject launcher to RTSC Indianapolis for investigation. Upon receipt of subject LAU-7 launcher, RTSC will conduct investigation and advise of results. Please be advised push-pull test is a depot level function.
19SEP01: Exhibit not received at RTSC Indianapolis. Investigation cancelled. VFA-37's participation in AWCAP is greatly appreciated. Closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE		CANCELED 19SEP01

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15170 CLOSURE: CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	

EI CNTRL NO: 00-0030

PROB BRIEF : LAU-7; LEAKY NITROGEN RECEIVER ASSEMBLY

PROBLEM : The Nitrogen Bottle drops below the minimum required 2800 PSI
DESCRIPTION required for a Serviceable bottle.

PREVENTIVE : Under Investigation.
ACTION

CORRECTIVE : Upon completion of investigation, all concerned will be provided
ACTION with the problem cause, preventive, and corrective action.

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	NAS JRB FORT WORTH	HMR/EIR	N44487-00-0032	03AUG00	CLOSED
	VF-14	CODR/EIR	V09084-97-0041	28SEP97	CLOSED *
	VF-14	CODR	V09084-97-0039	23SEP97	CLOSED *
	VF-14	CODR/EIR	V09084-97-0031	13JUL97	CLOSED *
	VFA-15	CODR	V09015-97-0029	17JUN97	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : NAS JRB FORT WORTH HMR/EIR N44487-00-0032 03AUG00 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: UNKNOWN			
FAILED PART:	58A164D863	1440	01-140-7620	
	NOMEN: NITROGEN RECEIVER			
	S/N: 21549			

DESCRIPTION:

On July 13, 2000 an annual inspection was performed on LAU-7 nitrogen receiver SN 21549 (NAVAIR 11-75A-54, work package 005 00, page 4, para 6, items a-x). The nitrogen receiver was then charged to 3200 PSI (NAVAIR 11-75A-54, work package 12 00, page 14, para 19 items a-f). The bottle passed the 12 hour leak test (NAVAIR 11-75A-54, work package 12 00, page 14, para 19 item f). Bottle was ready for issue and stored awaiting issue. The next day the bottle had dropped below the minimum required 2800 PSI required for a ready for issue bottle. The bottle was charged a second and a third time (NAVAIR 11-75A-54, work package 12 00, page 14, para 19 items a-f). The following components were leak checked with leak detection

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 15170

(Continued)

compound: charging valve, relief valve, pressure gauge, cartridge filter assembly, and the seal valve. No leaks were detected. Suspect the LAU-7 nitrogen receiver to be leaking from the cylinder body. Although in every instance the bottle passed the 12 hour requirement, it would not stay at the required charge for as little as 24 hours, drastically diminishing the bottles utility to the end user. Five failures noted in the last year discovered during annual inspection. Holding exhibit at building 1024, NAS JRB Fort Worth, pending disposition instructions.

ACTION TAKEN:

07AUG00: Request to ship subject Nitrogen Receiver to RTSC Indianapolis for investigation. Upon receipt of subject LAU-7 Nitrogen Receiver, RTSC will conduct investigation and advise all concerned of the results.
 25OCT00: Exhibit received at RTSC Indianapolis.
 22JAN01: Interim response - Expected completion date estimated to be 13 Feb 01.
 22FEB01: Status Report - RTSC having difficulty removing fiberglass wrapping of the bottle without damaging the liner. Date of EI completion unknown. The investigation is continuing.
 19MAR01: Removal of fiberglass without damage to the bottle liner proved unsuccessful. RTSC was unable to confirm leakage of bottle liner. In the future nitrogen receivers that will not pressure should be declared Beyond Capability of Maintenance or destroyed. NAS JRB Fort Worth's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE		COMPLETE 19MAR01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		NAS JRB FORT WORTH MESSAGE 031600ZAUG00	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 071226ZAUG00	INITIAL RESPONSE
		RTSC INDIANAPOLIS/CNPCOO REPORT 25OCT00	RECEIPT OF EXHIBIT
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 221218ZJAN01	INTERIM RESPONSE
		RTSC INDIANAPOLIS/CNPCOO STATUS REPORT 23FEB01	STATUS REPORT
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 191029ZMAR01	FINAL RESPONSE

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15760

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	
	MISSILE LAUNCHER	58A164H874	1440	01-258-2518	

EI CNTRL NO:

PROB BRIEF : LAU-7; NITROGEN RECEIVER ASSEMBLY EXPLODED

PROBLEM : Nitrogen receiver assembly exploded.
DESCRIPTION

PREVENTIVE : None determined.
ACTION

CORRECTIVE : Send to the manufacturer for warranty repair.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-34	CODR/EIR	V09070-00-0001	24JAN00	CLOSED
	VFC-12	CODR/EIR	V52994-97-0008	04APR97	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VFA-34 CODR/EIR V09070-00-0001 24JAN00 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: 8799-0618			
FAILED PART:	58A164D556	1440	00-963-9444	
	NOMEN: NITROGEN RECEIVER ASSEMBLY			

DESCRIPTION:

Nitrogen receiver assembly was filled with nitrogen by NAS Fallon, NV Nitrogen plant on 10 Jan 2000 and installed into LAU-7. On 13 Jan 00 at approximately 1500 local the nitrogen receiver assembly exploded approximately 12 inches from the pressure indicator end of the nitrogen receiver assembly. The aft fairing assembly was blown into pieces and off of the LAU-7. The one-foot section of the nitrogen receiver assembly with the pressure indicator flew 700 feet in the air across the flight line. The remaining section of the nitrogen receiver assembly was forced forward in the launcher assembly pushing the mechanism assembly and power supply forward one inch. A FOD walk down was initiated and all parts were recovered. The nitrogen receiver assemblies last hydrostatic test date was Feb 99 and the last 365-day maintenance inspection was performed in July 99 all within the limitations. The LAU-7 sustained damage while being removed from the aircraft without damaging the remaining part

**AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 15760

(Continued)

of the nitrogen receiver assembly. Due to the nitrogen receiver assembly and mechanism assembly being forced forward and jamming during the explosion, the launcher assembly had to be cut in half one foot forward of the mechanism assembly in order to remove the remaining part of the nitrogen bottle and mechanism assembly. Request engineering investigation and assistance from higher authority. Holding launcher assembly and nitrogen receiver assembly at squadron until return to NAS Oceana.

ACTION TAKEN:

28JAN00: Interim response and shipping instructions of EI exhibit.

08FEB00: Receipt notice of EI exhibit.

29JAN01: NAVAIR has developed a schedule to remove nitrogen receivers which have been in service 15 years and greater with the goal of eliminating the hydrostatic test and reducing the life limit of the nitrogen bottle to five years. The first technical directive will be issued in March 2001 for removal of nitrogen bottles with 15 years or three hydrostatic tests completed. A second technical directive, release anticipated by September 2001, will expand the removal to include units 10 years or older. The fleet will then requisition replacements when the second hydrostatic test is due, and when received, dispose of receivers with 10 years of service life. The goal is to replace all receivers five years or older eliminating the hydrostatic test for the life of the nitrogen bottle. This will be accomplished via technical directive.

10SEP01: NAVAIR has developed a schedule to remove nitrogen receivers which have been in service 15 years and greater with the goal of eliminating the hydrostatic test and reducing the life limit of the nitrogen bottle to 5 years. The first tech directive will be issued Mar 01 for removal of nitrogen bottles with 15 years or 3 hydrostatic tests completed. A second tech directive, release anticipated by Sep 01, will expand the removal to include units 10 years or older. The fleet will then requisition replacements when the second hydrostatic test is due, and when received, dispose of receivers with 10 years of service life. The goal is to replace all receivers five years or older eliminating the hydrostatic test for the life of the nitrogen bottle. VFA-34's participation in AWCAP is greatly appreciated. Closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		RTSC INDIANAPOLIS/CNPCOO	INVESTIGATE		COMPLETE 10SEP01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-34 MESSAGE 241400ZJAN00	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 270823ZJAN00	INITIAL RESPONSE
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 081256ZFEB00	RECEIPT OF EI EXHIBIT

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15760

(Continued)

REFERENCES : IDENTIFICATION

NAVAIR/PMA-201 MESSAGE 290632ZJAN01
RTSC INDIANAPOLIS/CNPCCO MESSAGE
100928ZSEP01

REFERENCE BRIEF

HAZREP REPORT
CLOSING RESPONSE

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16395 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	LAUNCHER	3188AS200	1440	01-382-5109	

EI CNTRL NO:

PROB BRIEF : LAU-7; EXCESSIVE EVENT COUNT WITH TACTS POD

PROBLEM : LAU-7 launcher causes excessive events count to occur with TACTS Pod.
DESCRIPTION

PREVENTIVE : Under investigation.
ACTION

CORRECTIVE : None determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VMA-542	CODR/EIR	M52847-97-0073	12NOV97	CLOSED
ACTION :	VMA-542	CODR/EIR	M52847-97-0073	12NOV97	CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-382-5109	
	NOMEN: LAUNCHER			
	S/N: 2199-0044			
FAILED PART:	3188AS200	1440	01-382-5109	
	NOMEN: LAUNCHER			

DESCRIPTION:

The TACTS pod was loaded on LAU-7C/A on Station seven. The TACTS pod does not require nitrogen to function. Before the flight, the event counter showed 137. At conclusion of the one and a half hour flight, the event counter read 303. The aircraft was flown again on the same day for 1.3 hours and the event counter went from 303 to 483. The same excessive event counts were also noted on four other aircraft with the TACTS pod and LAU-7C/A combination on Station seven.

ACTION TAKEN:

24NOV97: HTSC Indianapolis is currently conducting an engineering investigation in order to eliminate excessive event counts on LAU-7C/A when flown with the TACTS pod. Request discontinue use of the TACTS pod with the LAU-7C/A until resolution of the problem.
01SEP00: CFA Review - Investigation ongoing.
15FEB01: ECP under development to correct problem. VMA-542's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	HTSC	INVESTIGATE		COMPLETE 15FEB01
	INDIANAPOLIS/CNPBJK			

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16395

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMA-542 MESSAGE 120930ZNOV97	PROBLEM REPORTED
	HTSC INDIANAPOLIS/CNPBJK MESSAGE 240936ZNOV97	INITIAL RESPONSE
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 01SEP00	REPORT REVIEW
	RTSC INDIANAPOLIS CFA REVIEW 15FEB01	REPORT CLOSING

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16989 CLOSED

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
LAUNCHER (HIPAG) 3455AS100 1440 01-458-4694

EI CNTRL NO: 01-0029

PROB BRIEF : LAU-7; HIPAG 320 GUIDE PIN MISSING

PROBLEM : HIPAG alignment guide pin missing.
DESCRIPTION

PREVENTIVE : Not determined.
ACTION

CORRECTIVE : Not determined
ACTION

OCCURRENCES: SOURCE TYPE DOCUMENT NO. DATE DR STATUS
MALS-13 CODR/EIR M57082-00-0107 24AUG00 CLOSED

ACTION : MALS-13 CODR/EIR M57082-00-0107 24AUG00 CLOSED

END ITEM : PART/DOC. NO. FSC NIIN NALC
3455AS100 1440 01-458-4694
NOMEN: LAUNCHER (HIPAG)
S/N: UNK
FAILED PART: 3455AS130 4440 01-423-9805
NOMEN: COMPRESSOR-DEHYDRATOR, ELECTROINC EQUIPMENT
S/N: 1742-173

DESCRIPTION:

During the removal of HIPAG 320 unit all of the securing screws were extracted and the unit was removed from launcher assembly. During the inspection the left guide pin on the aft end of the HIPAG 320 system was noted to be missing. One guide pin was found within the hollow structure of the launcher assembly. The exhibit was held at MALS-13 ordnance.

ACTION TAKEN:

31AUG00: Ship discrepant HIPAG unit to FST for evaluation and repair. Obtain replacement HIPAG and repair launcher as required. MALS-13's participation in AWCAP is greatly appreciated. Closing action.

ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS
SUMMARY RTSC INVESTIGATE COMPLETE 31AUG00
INDIANAPOLIS/CNPCOO

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16989

(Continued) |

REFERENCES : IDENTIFICATION

MALS-13 MESSAGE 241200ZAUG00
RTSC INDIANAPOLIS/CNP00 MESSAGE
310745ZAUG00

REFERENCE BRIEF

PROBLEM REPORTED
FINAL RESPONSE

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16991 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	LAUNCHER, GUIDED MISSILE	3188AS200	1440	01-458-4568	

EI CNTRL NO: 01-0030

PROB BRIEF : LAU-7; SNUBBER MOUNT FITTING LOOSE

PROBLEM : Aft snubber screws loose.
DESCRIPTION

PREVENTIVE : Not determined.
ACTION

CORRECTIVE : Not Determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-192	CODR	R09076-00-0028	12DEC00	CLOSED

ACTION :	VFA-192	CODR	R09076-00-0028	12DEC00	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	3188AS200	1440	01-458-4568	
	NOMEN: LAUNCHER, GUIDED MISSILE			
	S/N: 0099-0196			
FAILED PART:	58A164D875	1440	01-266-5209	
	NOMEN: SNUBBER			

DESCRIPTION:

During an aircraft turnaround inspection, the ordnance technician discovered station one's LAU-7 aft snubber fitting assembly, P/N 58A164D875, loose and the mounting screws backed out approximately 1/8 inch. The technician attempted to tighten the assembly with negative results. The launcher was removed and replace then turned over to CV-63 AIMD Det Atsugi for repair. CFA response was requested.

ACTION TAKEN:

09JAN01: VFA-192 was advised to ship the snubber mount fitting assembly (P/N 58A164D875) exhibit to RTSC Indianapolis for evaluation. Repair launcher as required and return to service. VFA-192's participation in AWCAP is greatly appreciated. Closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	RTSC	CLOSE PROBLEM		COMPLETE 09JAN01
	INDIANAPOLIS/CNPCOO			

30-NOV-01

AIRBORNE MISSILE LAUNCHER (LAU-7) ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16991

(Continued) |

REFERENCES : IDENTIFICATION

VFA-192 MESSAGE 121100ZDEC00
RTSC INDIANAPOLIS/CNPCCO MESSAGE
090831ZJAN01

REFERENCE BRIEF

PROBLEM REPORTED
PROBLEM CLOSING