

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

TABLE OF CONTENTS

PROBLEM NUMBER	DESCRIPTION	PAGE NUMBER
<u>INDEXES</u>		
	EQUIPMENT INDEX	ii
	ACTION INDEX	iii
	ORIGINATORS INDEX	iv
	DUE DATE SUMMARY	vii
 PROBLEMS		
<u>9167*</u>	BARREL BURST.....	1
<u>11620</u>	ACCIDENTAL FIRING.....	6
<u>13649</u>	OIL BUFFER NOT COMPATIBLE OR SUITABLE SUBSTITUTE.....	7
<u>13787</u>	GUN JAM.....	9
<u>15015</u>	BARREL WARPED.....	10
<u>15020*</u>	GUN JAM.....	12
<u>15904</u>	FEEDER JAM.....	14
<u>16094</u>	EXTRACTOR BROKEN.....	17
<u>16101</u>	FLEX MOUNT CRACKED/BROKEN.....	19
<u>16240*</u>	JAM.....	23
<u>16630*</u>	XM-218/GAU-16 BREECH LOCKS CRACKED.....	25
<u>16882*</u>	GAU-17 BOLT ASSEMBLY WILL NOT FIT IN GROOVE.....	29
<u>16915</u>	INTERNAL BINDING WITHIN RECEIVER ASSEMBLY WHEN CYCLED.....	30

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

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 9167

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
	GUN, 50 CALIBER	11691500	1005	00-165-4361	
	GUN	11691500	1005	00-165-4561	
	GUN XM218	11691500	1005	01-165-4561	
	BARREL	11701204	1005	00-903-0933	
	GAU-16 DAS	1698AS190	1005	01-250-5782	
	BARREL	7265156	1005	00-726-5156	

EI CNTRL NO: 89-0482

PROB BRIEF : BARREL BURST

PROBLEM : .50 cal barrels failing internally.
DESCRIPTION

PREVENTIVE : Gauge before/after each firing, dispose of barrel after 3000 rounds.
ACTION

CORRECTIVE : NWSW CRANE 112240Z0CT89: Interim investigation report on XM218 .50
ACTION caliber barrels. Failure is a function of the design of the barrel as it is currently used and is possibly under a majority of operating conditions recommended in NA 11-95-13. NWSW Crane anticipates recommending substantial changes in operating procedures for the XM218. Final report and recommendations will be out on or about 30OCT89.
NAVAIR 091707ZAUG90: AAB-649 Rev A issued to update original AAB.
NWSW CRANE 050615ZMAR93: A prototype barrel is to begin testing at NWSW Crane for the replacement of the current barrel used. The new barrel is made from 316SS with Stellite 21 lining the entire length of the bore. An effective rate of fire is 40 rounds per minute, or a 3-5 round burst every 8-10 seconds.

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	NWSW CRANE MESSAGE 112240Z0CT89	INTERIM REPORT
	NWSW CRANE LTR 10JAN90	STATUS UPDATE
	PMTC MESSAGE 100026ZAPR90	STATUS REQUEST

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	HC-11	CODR	R53920-01-7018	18SEP01	CLOSED
	MAWTS-1	CODR/EMR	M55167-00-0030	23OCT00	OPEN
	MALS-16	CODR/EIR	M09116-00-0022	03OCT00	CLOSED *
	HMH-772	CODR	M09490-99-0018	21OCT99	CLOSED *
	HMLA-369	EMR	M09361-99-0022	05OCT99	CLOSED
	HMLA-773	CODR	M09472-99-0011	11SEP99	CLOSED *
	HC-5	CODR/EIR	R09823-99-0008	23MAR99	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

**SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 9167

(Continued)

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
MALS-26	CODR	M09167-99-0005	05MAR99	CLOSED *
HMM-263	CODR	M09445-98-0013	04DEC98	CLOSED *
HMH-366	CODR	M55650-98-0009	29AUG98	CLOSED *
HMM-265	EMR	M09404-97-0019	02OCT97	CLOSED *
HC-5	CODR/EIR	R09823-97-0022	19SEP97	CLOSED *
MAG-46 DET A	CODR/EMR	M47499-97-0010	07SEP97	CLOSED *
HMLA-367	EMR	M09079-96-0025	07OCT96	CLOSED *
HMH-362	EMR	M09495-96-0011	28SEP96	CLOSED *
HMLA-267	CODR/EMR	M09159-96-0019	07AUG96	CLOSED *
HC-3	EMR	R09822-95-0014	04MAY95	CLOSED *
HMH-466	EMR	M53998-94-0006	10MAR94	CLOSED *
HMH-466	EMR	M53998-94-0007	10MAR94	CLOSED *
HC-3	EMR	R09822-93-0001	06AUG93	CLOSED *
HMLA-269	EMR	M08998-91-0042	07OCT91	CLOSED *
HMM-263	EMR	M09445-90-0001	12MAY90	CLOSED *
HMH-465	EIR	M53936-89-0057	16AUG89	CLOSED *
MAG-46	EMR/EIR	M09749-89-0021	14FEB89	CLOSED *
MAG-46	EMR/EIR	M09749-89-0019	02FEB89	CLOSED *
MAG-24	EMR/EIR	M09382-88-5288	17DEC88	CLOSED *
MALS-16	EMR/EIR	M09116-88-0158	17DEC88	CLOSED *
MALS-16	EMR/EIR	M09116-88-0156	14DEC88	CLOSED *
HMH-462	EMR/EIR	M09349-88-0041	22NOV88	CLOSED *
HMM-164	EMR/EIR	M09408-88-0040	19NOV88	CLOSED *
HMH-466	EMR/EIR	M53998-88-0067	18NOV88	CLOSED *
HMH-466	EMR/EIR	M53998-88-0068	18NOV88	CLOSED *
HC-11	EMR/EIR	R53920-88-0038	12SEP88	CLOSED *
HMLA-267	EMR/EIR	M09159-88-0009	18AUG88	CLOSED *
HMM-161	EMR	M09440-88-0015	26JUL88	CLOSED *
MAG-46 DET A	EMR	M67639-88-0001	14JUL88	CLOSED *
HMLA-267	EMR	M09159-88-0041	18JUN88	CLOSED *
MAG-26	EMR/QDR	M09506-88-0028	20APR88	CLOSED *
MAG-70	EMR/EIR	M67641-88-0011	03MAR88	CLOSED *
MALS-16	EMR/HMR	M09116-88-0024	21JAN88	CLOSED *
MALS-16	EMR	M09116-87-0103	19DEC87	CLOSED *
MALS-16	HMR	M09116-87-0095	11DEC87	CLOSED *
HMM-263	EMR	M09445-85-0015	17JUL85	CLOSED *
MAG-26	EMR/QDR	M09506-85-0039	14JUN85	CLOSED *
MAG-26	HMR	M09506-85-0149	30MAY85	CLOSED *
MAG-24	EMR	M09382-85-0022	04MAR85	CLOSED *
HM-16	EMR/EIR	R53828-84-0057	06SEP84	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 9167

(Continued)

ACTION : HC-11 CODR R53920-01-7018 18SEP01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	11691500	1005	00-165-4361	
	NOMEN: GUN, 50 CALIBER			
	S/N: 1636011			
FAILED PART:	11691500	1005	00-165-4361	
	NOMEN: GUN, 50 CALIBER			

DESCRIPTION:

Round punctured hole through Barrel and Barrel Jacket

ACTION TAKEN:

HC-11 181746ZSEP01: Reported dunning 50 cal training gun jammed. After firing a total of 1372 rounds the barrel bulged and split. The round then exited through the barrel and the Barrel Jacket. Upon inspection the barrel shows signs of extreme heat stress to the metal surrounding the exit hole. Crew Chief stated gun fired exceptionally well for mishap accrued. Over 1000 rounds had been previously fired through weapon. Material failure due to excessively hot barrel caused by insufficient cooling time between ammo changes.

NAWC PT MUGU 020029SZOCT01: Request HC-11 repair XM218 .50 cal Machine gun and return to service. Scrap Barrel and Barrel Jacket as allowed by local procedures. CFA recommends strict adherence to the firing and cooling times.

This is closing action for this problem.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC PT MUGU/311000E	REVIEW DEFICIENCY		COMPLETE 02OCT01

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	HC-11 MESSAGE 181746ZSEP01	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE	REPLY/CLOSING
	020029Z0CT01	

ACTION : MAWTS-1 CODR/EMR M55167-00-0030 23OCT00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :				
	S/N: LC-88J601L514			
	LOT: N/A			
FAILED PART:	11691500	1005	01-165-4561	
	NOMEN: GUN XM218			

DESCRIPTION:

While performing multiple target attacks with weapon experiencing only minor feeder jams, gun fired approximately 1300 rounds. Gun was reloading with no defects noted and returned to use. Weapon operated

**SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 9167

(Continued)

optically until third pass, when weapon began misfiring sounds as if one bolt was not firing, but otherwise the gun operated normally. Approximately 1200 rounds total fired, with four to six second duration. Crew chief cleared and safe weapon when he noted one barrel appeared split open at least 1/4 portion of barrel and flash suppressor damaged. Postflight inspection revealed a half inch hole in single rotor blade.

ACTION TAKEN:

NAWC PT. MUGU: 250729ZOCT00: Request NSWC Crane take for action and provide investigation results to all concerned upon completion.

ACTION SUMMARY	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
		NSWC CRANE/408	INVESTIGATE	23JAN01 OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		MAWTS-1 MESSAGE 231201ZOCT00	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 250729ZOCT00	INTERIM RESPONSE

ACTION	:	HMLA-369	EMR	M09361-99-0022	05OCT99 CLOSED
---------------	----------	-----------------	------------	-----------------------	-----------------------

		PART/DOC. NO.	FSC	NIIN	NALC
END ITEM	:	11691500	1005	01-165-4561	
		NOMEN: GUN XM218			
		LOT: LC-88M621L208			
FAILED PART:		11691500	1005	01-165-4561	
		NOMEN: GUN XM218			

DESCRIPTION:

GAU-16/A (.50 Cal) ruptured gun barrel and jacket assembly. While firing a second can of 100 rounds of .50 Cal API the crew chief heard a loud pop and observed that the rounds fell short of the target. The crew chief immediately ceased fire and cleared the weapon. The crew chief then observed that there was a rupture in the gun barrell and jacket assembly. Upon RTB, the investigation of the weapon and found that approximately six inches from the muzzle there was a rupture in the barrell two inches long. It was also observed that the jacket assembly had been ruptured with a hole 1/4 inch in diameter. The pattern of firing was no more than fifty rounds per trigger pull.

ACTION TAKEN:

NAWC PT. MUGU 070229ZOCT99: Request NSWC Crane take for Engineering Investigation action. Provide results to this NAWC Pt. Mugu upon completion of investigation. Report will remain open until completion of Engineering Investigation. All concerned will be notified of results.

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 9167

(Continued)

NAWC PT. MUGU 180029ZSEP00: This investigation is currently overdue. Request NSWC Crane provide investigation results or current status. If no response received by 01 October 00 this will be considered closing action.

NAWC PT. MUGU 120129ZOCT00: NAWC Pt. Mugu states that this is a recurring problem and has been addressed in the past. Recommend that operators observe barrel cooling times listed in the technical manual and continuously maintain accurate rounds counts on barrels. An Engineering Investigation is not warranted at this time. Problem will be monitored for further occurrences. This is closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NSWC CRANE	INVESTIGATE		COMPLETE 12OCT00

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		HMLA-369 MESSAGE 051600ZOCT99	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 070229ZOCT99	INTERIM RESPONSE
		NAWC PT MUGU/311000E MESSAGE 180029ZSEP00	STATUS REQUEST
		NAWC PT MUGU/311000E MESSAGE 120129ZOCT00	REPLY/CLOSING

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 11620 CLOSED

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	GUN M60D	11699750	1005	00-909-3002	
	GUN M60D	8413999	1005	00-605-7710	

EI CNTRL NO: 89-0492

PROB BRIEF : ACCIDENTAL FIRING

PROBLEM : Inadvertent firing.
DESCRIPTION

PREVENTIVE : Close attention to check lists.
ACTION

CORRECTIVE : No corrective action has been determined except close attention to
ACTION check lists.

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR	STATUS
	HMLA-167	CODR/EIR	M09898-01-0026	03FEB01	CLOSED	**
	HS-11	EMR/EIR	V09954-95-0002	06MAR95	CLOSED	*
	USS HEWITT (DD-966)	EMR/EIR	R20586-93-0001	11MAR93	CLOSED	*
	USS CARR (FFG-52)	EMR	V21233-91-0010	11DEC91	CLOSED	*
	VMO-2	EMR/HMR	M09444-89-0021	31MAY89	CLOSED	*
	VMO-2	EMR	M09444-89-0002	27JAN89	CLOSED	*
	HMA-369	EMR	M09361-88-0001	18AUG88	CLOSED	*
	HMA-269	EMR/EIR	M08998-87-0043	04AUG87	CLOSED	*

* ACTION REPORTED IN PREVIOUS PUBLICATION

** ACTION NOT AVAILABLE - AWAITING ADDITIONAL DATA

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13649 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUN XM218	11691500	1005	01-165-4561	

EI CNTRL NO:

PROB BRIEF : OIL BUFFER NOT COMPATIBLE OR SUITABLE SUBSTITUTE

PROBLEM : On visual inspection of part, it was found that a wrong part was
DESCRIPTION : received.

PREVENTIVE : Unknown.
ACTION

CORRECTIVE : Not identified.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR	STATUS
OCCURRENCES:	MALS-16	CODR/EIR	M09116-01-0018	01MAR01		CLOSED
	MAG-29	PQDR II	M52844-93-0002	06JAN93		CLOSED *
	HMH-462	PQDR II	M09349-89-0050	05NOV89		CLOSED *
	MALS-24	PQDR II	M09124-89-0054	24AUG89		CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : MALS-16 CODR/EIR M09116-01-0018 01MAR01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :				
	S/N: 11870			
FAILED PART:	11691500	1005	01-165-4561	
	NOMEN: GUN XM218			

DESCRIPTION:

It was reported that during a 90 day scheduled maintenance on XM218 50 Caliber machine gun CDI noticed the oil buffer tube lock assemblies P/N 564325 was on in accordance with NAVAIR 11-95-13. The oil buffer tube lock assembly is a two piece assembly riveted together. The part found on gun is a one piece.

ACTION TAKEN:

NAWC PT. MUGU 090129ZAPR01: NSWC Crane has tried to track the origin of the one piece lock. No drawings can be found. NSWC Crane has replaced the locks at MALS-16. The depot has been notified to destroy the one piece locks when they are found. The Army has a two piece lock. The drawings for the lock found were checked in the manual, and the manual has not be changed for over 50 years. This is considered an isolated occurrence and an investigation is not warranted at this time. Problem will be monitored for further occurrences. This is closing action.

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13649

(Continued) |

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	:	NAWC PT MUGU/311000E	MONITOR		COMPLETE 09APR01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
	:	MALS-16 MESSAGE 011640ZMAR01	PROBLEM REPORT
	:	NAWC PT MUGU/311000E MESSAGE	REPLY/CLOSING
	:	090129ZAPR01	

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 13787 CLOSED

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	GUN XM218	11691500	1005	01-165-4561	

EI CNTRL NO:

PROB BRIEF : GUN JAM

PROBLEM : Round jammed in chamber of barrel.
DESCRIPTION

PREVENTIVE : Inspect ammo prior to each live firing IAW NA11-1-119.
ACTION

CORRECTIVE : Weapon cleared and returned to service.
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR	STATUS
	HMH-461	CODR	M09582-01-0002	25JUL01	CLOSED	**
	HMH-461	EMR	M09582-00-0001	06MAR00	CLOSED	*
	HM-15	EMR	R55201-89-0146	22NOV89	CLOSED	*

* ACTION REPORTED IN PREVIOUS PUBLICATION

** ACTION NOT AVAILABLE - AWAITING ADDITIONAL DATA

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15015 CLOSURE DATE: 11/30/01

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
GUN XM218 11691500 1005 01-165-4561

EI CNTRL NO: 01-0012

PROB BRIEF : BARREL WARPED

PROBLEM : Barrel assembly found warped.
DESCRIPTION

PREVENTIVE : Short bursts with cooling in between bursts.
ACTION

CORRECTIVE : Replace barrel.
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	HMH-772	CODR	M09490-00-0037	31AUG00	CLOSED
	HMLA-169	EMR	M09202-92-0082	17MAR92	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : HMH-772 CODR M09490-00-0037 31AUG00 CLOSED

END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
	S/N: N/A			
	LOT: N/A			
FAILED PART:	11691500	1005	01-165-4561	
NOMEN:	GUN XM218			

DESCRIPTION:

During the post operational check it was discovered that both barrels were severely pitted. Both barrels had fired approximately 1,500 rounds. Both barrels had fired less then 3,000 rounds and the barrel life is 5,000 rounds.

ACTION TAKEN:

NAWC PT. MUGU 300729ZNOV00: Request NSWC Crane take for action and provide shipping instructions to HMH-772. Perform metallurgic test on barrel and provide findings to all concerned upon completion of investigation.

NSWC CRANE 260826ZAPR01: Request HMH-772 ship barrels to NSWC Crane.

NSWC CRANE 160848ZMAY01: States that due to the inability to obtain barrels for inspection, request closure of this deficiency report.

NAWC PT. MUGU 170029ZMAY01: Request HMH-772 repair gun barrels and return gun to service. Problem will be monitored for further occurrences. This is closing action.

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15015

(Continued)

ACTION	: ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY	NSWC CRANE/408	INVESTIGATE	CANCELED 17MAY01

REFERENCES	: IDENTIFICATION	REFERENCE BRIEF
	HMH-772 MESSAGE 312230ZAUG00	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE 300729ZNOV00	INTERIM RESPONSE
	NSWC CRANE/408 MESSAGE 260826ZAPR01	EXHIBIT REQUEST
	NSWC CRANE/408 MESSAGE 160848ZMAY01	CLOSURE REQUEST
	NAWC PT MUGU/311000E MESSAGE 170029ZMAY01	REPLY/CLOSING

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15020

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	GUN, 50 CALIBER	11691500	1005	00-165-4361	
	GUN	11691500	1005	00-165-4561	
	GUN XM218	11691500	1005	01-165-4561	
	M24 BLANK FIRING ATTACHMENT	12598089	9999	99-999-9999	
	GAU-16 DAS	1698AS190	1005	01-250-5782	

EI CNTRL NO:

PROB BRIEF : GUN JAM

PROBLEM : Gun jammed, fifth round jammed in T-slot.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : Repair and return to service.
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS	
	HSL-44	CODR	V53975-01-0001	15FEB01	CLOSED	**
	HMLA-773	CODR	M09472-00-0018	29SEP00	OPEN	
	HCS-5	HMR/EIR	R53812-00-0009	26JUL00	CLOSED	*
	HMLA-267	CODR	M09159-99-0033	09NOV99	CLOSED	*
	HMH-772	CODR	M09490-99-0015	20OCT99	CLOSED	*
	HSL-40	CODR	V53912-98-0029	22OCT98	CLOSED	*
	HMH-465	EMR	M53936-98-0026	26JUN98	CLOSED	*
	HMM-163	CODR/EMR	M09405-98-0005	25MAR98	CLOSED	*
	HMM-163	CODR	M09405-97-0006	06NOV97	CLOSED	*
	HSL-45	CODR/EMR	R53915-97-0024	05NOV97	CLOSED	*
	MALS-16	CODR/EMR	M09116-97-0007	27JAN97	CLOSED	*
	HMH-361	CODR	M09446-97-0001	15JAN97	CLOSED	*
	HMH-464	CODR/EMR	M53935-94-0002	11JAN94	CLOSED	*
	MALS-16	EMR/EIR	M09116-93-0015	09APR93	CLOSED	*
	MAWTS-1	CODR	M55167-93-0005	18MAR93	CLOSED	*
	HMM-364	EMR	M09793-92-0002	23APR92	CLOSED	*
	MAWTS-1	EMR	M55167-92-0002	22MAR92	CLOSED	*

* ACTION REPORTED IN PREVIOUS PUBLICATION

** ACTION NOT AVAILABLE - AWAITING ADDITIONAL DATA

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15020

(Continued)

ACTION	:	HMLA-773	CDR	M09472-00-0018	29SEP00 OPEN			
			PART/DOC. NO.		FSC	NIIN	NALC	
		END ITEM	:	S/N: S9175				
				LOT: N/A				
		FAILED PART:		218F833	1005	01-230-1520		
				NOMEN: GAU-17 DAS				

DESCRIPTION:

While clearing jammed gun, a projectile was found lodged in one of the barrels.

ACTION TAKEN:

NAWC PT. MUGU 300629ZNOV00: Request NSWC Crane take for action and provide HMLA-773 shipping instructions for exhibit. Upon completion of investigation, provide findings to all concerned.

NSWC CRANE 111245ZDEC00: Provided shipping instructions to HMLA-773.

NSWC CRANE 051720ZDEC00: Request HMLA-773 supply ammunition information.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NSWC CRANE/408	INVESTIGATE	28FEB01	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		HMLA-773 MESSAGE 291300ZSEP00	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 300629ZNOV00	INTERIM RESPONSE
		NSWC CRANE MESSAGE 051720ZDEC00	INFORMATION REQUEST
		NSWC CRANE/408 MESSAGE 111245ZDEC00	EXHIBIT REQUEST

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15904

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GAU-17 DAS	218F833	1005	01-230-1520	
	BOLT ASSEMBLY	65B9865	1005	00-919-7015	

EI CNTRL NO: 00-0035

PROB BRIEF : FEEDER JAM

PROBLEM : MAU-201 feeder jams.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HMLA-267	CODR	M09159-99-0014	29JUL99	CLOSED
	HCS-5	CODR/EIR	R53812-98-0017	21DEC98	CLOSED *
	HCS-5	CODR/EIR	R53812-98-0007	26JUN98	CLOSED *
	HMLA-267	CODR	M09159-96-0010	01MAR96	CLOSED *
	HMLA-167	CODR/EIR	M09898-95-0032	20NOV95	CLOSED *
	HMT-303	CODR	M55176-95-0025	22JUN95	CLOSED *
	HMLA-267	CODR	M09159-95-0004	11FEB95	CLOSED *
	HMLA-269	CODR/EIR	M08998-93-0033	22NOV93	CLOSED *
	HMLA-169	EMR	M09202-92-0050	04FEB92	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : HMLA-267 CODR M09159-99-0014 29JUL99 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	218F833	1005	01-230-1520	
	NOMEN: GAU-17 DAS			
	S/N: UNKNOWN			
FAILED PART:	67C4592	1005	00-460-5305	
	NOMEN: SADDLE ASSEMBLY			

DESCRIPTION:

Aircraft launched for gunex with no discrepancies noted. After clearing two previous stoppages, crew chief fired two to three rounds before the gun jammed a third time. Almost simultaneous with the third jamming, the cast aluminum forks of the machining saddle (P/N 67F4520) failed and crew chief fell back into the cabin area with pistol grips still in hand. The crew chief noted that the GAU-17/A, without the support of the saddle assembly, elevated unassisted to an approximate angle of 20 degrees with the gun power

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
 AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15904

(Continued)

source still connected to the gun. Upon realization that the machining saddle had failed, the gun was then safed by disconnecting the clutch gate solenoid and drive master cables and engaging the azimuth and elevation detents. No visible cracks or other evidence of impending failure of the saddle was observed prior to incident.

ACTION TAKEN:

NAWC PT. MUGU 020329ZAUG99: Request NSWC Crane take reported deficiency for action and perform Engineering Investigation. Provide findings and recommendations to NAWC Pt. Mugu upon completion of investigation. All concerned will be notified of results upon completion of investigation.

NSWC CRANE 051132ZAUG99: Request shipment of the broken GAU-17 saddle and the seven saddles found to be cracked via fastest traceable means to receiving officer, NSWC Crane.

MALS-39 200413ZOCT99: MALS-29 provides the following information: During a phone call on 29SEP99 NSWC Crane stated that the defects found by MALS-39 original eddy-current inspections could not be seen by NSWC Crane dye penetrant inspection. NSWC does not have eddy-current capabilities and informed MALS-39 that a representative from Crane would arrive on 08OCT99 with three saddles for MALS-39 to perform a second eddy-current inspection. Another phone call to MALS-39 on 19OCT99 confirmed that the representative returned to Crane but left the saddles at Camp Pendleton. It was then requested that the saddles be sent back to Crane for a second time. MALS-39 now requests immediate action be taken to expedite the Engineering Investigation process on seven GAU-17/A saddles currently at NSWC Crane.

NAWC PT. MUGU 210029ZFEB01: Investigation completed with following conclusion and recommendations: A finite element analysis shows that failure occurred at a known weak point in the saddle. An engineering change proposal is being developed to correct this problem by redesign of a portion of the saddle. Anticipate approval and funding of the in early 02. A total of six cracked and one broken saddle were reported by MALS-39. One saddle was actually broken. The other six saddles were inspected by fleet activities utilizing an incorrect NDI method for this material. Engineering investigation of the six saddles revealed no cracks. Further, one broken saddle was reported by HMLA-267. Recommend unit BCM saddle assembly. Request replacement through supply, and return gun system to ready Fir Issue condition. Problem will be monitored for further occurrences. This is closing action.

ACTION SUMMARY	: ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
	NSWC CRANE/4022	INVESTIGATE	COMPLETE 21FEB01

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15904

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HMLA-267 MESSAGE 290700ZJUL99	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE 020329ZAUG99	INTERIM RESPONSE
	NSWC CRANE/4022 MESSAGE 051132ZAUG99	DISPOSITION INSTRUCTIONS
	MALS-39 MESSAGE 200413ZOCT99	EI RESPON
	NAWC PT MUGU MESSAGE 210029ZFEB01	REPLY/CLOSING

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16094 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUN	12977100	1005	01-M14-2248	

EI CNTRL NO:

PROB BRIEF : EXTRACTOR BROKEN

PROBLEM : Gun jammed, extractor broken.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : Turn in for repair.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HSL-42	CODR	V53913-01-0004	26FEB01	CLOSED
	HMLA-269	CODR	M08998-00-0062	02NOV00	CLOSED
	HS-8	CODR	R09951-96-0002	28JAN96	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : HSL-42 CODR V53913-01-0004 26FEB01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :				
	S/N: N/A			
FAILED PART:	11699750	1005	00-909-3002	
	NOMEN: GUN M60D			

DESCRIPTION:

M60D Machine Gun P/N 11699750, appeared to jam after firing 399 rounds. While performing post firing inspection, ordnance found Bolt Assembly Extractor cracked forward of locking lug lip. Broken Extractor was removed and replaced. Weapon was returned to service.

ACTION TAKEN:

NAWC PT. MUGU 280329ZFEB01: Problem has been entered for tracking purposes only. Problem will be monitored for further occurrences. This is closing action.

	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
ACTION SUMMARY	NAWC PT MUGU/311000E	MONITOR		COMPLETE 28FEB01

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16094

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HSL-42 MESSAGE 261230ZFEB01	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE	REPLY/CLOSING
	280329ZFEB01	

ACTION : HMLA-269 CODR M08998-00-0062 02NOV00 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :				
	S/N: U71218			
	LOT: N/A			
FAILED PART:	12977100	1005	01-M14-2248	
	NOMEN: GUN			

DESCRIPTION:

M240D machine gun fired two rounds then stop. Post flight inspection revealed cartridge extractor, plunger, and spring missing from bolt assembly. Suspect extractor broke off where it rests in bolt assembly, allowing extractor, plunger, and spring to push forward and fall out of the bottom of weapon. No damage to bolt assembly was found.

ACTION TAKEN:

NAWC PT. MUGU 060029ZNOV00: Request NSWC Crane take for action and provide shipping instruction to HMLA-269 . Request notify all concerned upon completion of investigation.
NSWC CRANE 200847ZNOV00: Provided shipping instructions to HMLA-269.
NSWC CRANE 260854ZAPR01: Investigation results are as follows: After inspection of bolt assembly , multiple gouges were found in the surfaces surrounding extractor area. Three gouges were visible below the bolt face and behind where the face of the extractor would normally be. Two additional gouges were found at the forward section of the extractor retaining post hole. The gouges could not be explained by normal weapon function or maintenance. Problem will be monitored for further occurrences. This is closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY	NSWC CRANE/408	INVESTIGATE	COMPLETE 25SEP01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HMLA-269 MESSAGE 020913ZNOV00	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE	INTERIM RESPONSE
	060029ZNOV00	
	NSWC CRANE/408 MESSAGE 200847ZNOV00	EXHIBIT REQUEST
	NSWC CRANE/408 MESSAGE 260854ZAPR01	INVESTIGATION RESULTS
	NAWC PT MUGU/311000E MESSAGE	CLOSING
	250129ZSEP01	

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16101

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUN	12977100	1005	01-M14-2248	
	UH-1 DEFENSIVE ARMAMENT	3392AS112	1005	01-204-3966	
	SUBSYSTEM				

EI CNTRL NO: 00-0036

PROB BRIEF : FLEX MOUNT CRACKED/BROKEN

PROBLEM : Flex mount broke.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR	STATUS
OCCURRENCES:	HMLA-167	CODR	M09898-99-0061	27OCT99	CLOSED	*
	MALS-26	CODR/EIR	M09167-96-0018	12APR96	CLOSED	*
	MALS-36	CODR/EIR	M09136-96-0009	25FEB96	CLOSED	
	HMLA-267	CODR	M09159-96-0003	06FEB96	CLOSED	*
	MALS-36	CODR/EIR	M09136-96-0007	06FEB96	CLOSED	

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : MALS-36 CODR/EIR M09136-96-0009 25FEB96 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	12977100	1005	01-M14-2248	
	NOMEN: GUN			
	S/N: UNKNOWN			
FAILED PART:	3392AS200	1005	01-025-8095	
	NOMEN: FLEX MOUNT			

DESCRIPTION:

Flex mount found cracked after firing approximately 4,750 rounds.

ACTION TAKEN:

NAWC PT. MUGU 280129ZFEB96: Request MALS-36 ship damaged flex mount to NAWC Pt. Mugu code 473440E for investigation. Results will be provided to all concerned upon completion.

NAWC PT. MUGU 290229ZAUG97: A class I ECP is being established as the engineering document to bring the design into aviation qualification. The ECP will be funded by our Spares Smart Program (SSP) at the Naval Inventory Control Point (NAVICP). It is estimated that hardware deliveries will commence mid may 1998. Due to the cost

**SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16101

(Continued)

of the Program an open competition must be solicited for hardware procurement. The material successfully tested at NSWC Crane is machined aluminum. Machined steel was also tested and successfully demonstrated as being compatible. Aluminum parts tested are weight compatible with existing parts. The steel lower cradle assembly would add an additional three pounds to the end item. Testing will be presented to the flight structural office in Patuxent River and the class desk. Weight considerations will be analyzed. M240 and M60 flight restrictions remain in effect. All efforts are being made to expedite ECP processing and contract award due to fleet requirements to field this item.

NSWC CRANE 081417ZOCT97: NSWC Crane requests that all M240D machine guns be returned to NSWC Crane. Justification for return is a safety concern with the machine gun trigger assembly and mount lower cradle deficiency. A class I ECP for mount redesign to withstand over 600 pounds if machine gunner applied forces, which may be expected in a realistic environment. When assets are returned to the fleet they will be fully RFI, not requiring any Aviation Armament Changes (AWC) to be incorporated by the fleet.

NSWC CRANE 012145ZAPR98: Investigation has determined that the lower cradle made of cast aluminum does not have sufficient strength to resist fleet applied loads. Funding requests to NAVAIR and NAVICP are in process. Project is expected to require nine months to deliver hardware to the fleet after receiving funding.

NSWC CRANE 260910ZAPR01: NSWC Crane reported all M240 Machine guns mounts have been recalled and replaced. Request closure of this deficiency.

NAWC PT. MUGU 250029ZSEP01: NAWC Pt. Mugu concurs with NSWC Crane. Problem will be monitored for further occurrences. This is closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY	NAWC PT MUGU/473440E	INVESTIGATE	COMPLETE 25SEP01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	MALS-36 MESSAGE 251921ZFEB96	PROBLEM REPORT
	NAWC PT MUGU/311200E MESSAGE 280129ZFEB96	INTERIM RESPONSE
	NAWC PT MUGU/473440E MESSAGE 290229ZAUG97	STATUS UPDATE
	NSWC CRANE MESSAGE 081417ZOCT97	RECALL OF ALL M240D GUNS
	NSWC CRANE MESSAGE 012145ZAPR98	STATUS UPDATE
	NSWC CRANE/408 MESSAGE 260910ZAPR01	CLOSURE REQUEST
	NAWC PT MUGU/311000E MESSAGE 250029ZSEP01	CLOSING

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16101

(Continued)

ACTION : MALS-36 CODR/EIR M09136-96-0007 06FEB96 CLOSED |

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	12977100	1005	01-M14-2248	
	NOMEN: GUN			
	S/N: UNKNOWN			
FAILED PART:	3392AS200	1005	01-025-8095	
	NOMEN: FLEX MOUNT			

DESCRIPTION:

MALS-36 Reported Flex Mount found broken during firing. |

ACTION TAKEN:

MALS-36: 061921ZFEB96/96-0007 MALS-36 Reported Flex Mount found broken during firing. |

NAWC PT. MUGU: 120129ZFEB96 Request ship broken Flex Mount to NAWC Pt. Mugu for investigation. Results will be provided to all concerned upon completion.

NAWC PT. MUGU: 290229ZAUG97 A class I ECP is being established as the engineering document to bring the design into aviation qualification. The ECP will be funded by our Spares Smart Program (SSP) at the Naval Inventory Control Point (NAVICP). It is estimated that hardware deliveries will commence in mid may 1998. Due to the cost of the program an open competition must be solicited for hardware procurement. The material successfully tested at NSWC Crane is machined aluminum. Machined steel was also tested and successfully demonstrated as being compatible. Aluminum parts tested are weight compatible with existing parts. The steel lower cradle assembly would add an additional three pounds to the end item. Testing will be presented to the flight structural office in Patuxent River and class desk. M240 and M60 flight clearance restrictions remain in effect. All efforts are being made to expedite the ECP processing and contract award due to fleet requirements to field this item.

NSWC CRANE: 081417ZOCT97 NSWC Crane requests that all M240D machine guns be returned to NSWC Crane. Justification for return is a safety concern with the machine gun trigger assembly and mount lower cradle deficiency. A class I ECP for mount redesign to withstand over 600 pounds of gunner applied forces, which may be excepted in a realistic environment. When assets are returned to the fleet they will be fully RFI, not requiring any Aviation Armament Changes (AWC) to be incorporated by the fleet.

NSWC CRANE: 012145ZAPR98 Investigation has determined that the lower cradle made of cast aluminum does not have sufficient strength to resist fleet applied loads. Funding requests to NAVAIR and NAVICP are in process. Project is expected to require nine months to deliver hardware to the fleet after receiving funding.

NSWC CRANE 260910ZAPR01: NAWC Crane reported all M240 Machine guns

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16101

(Continued)

mounts have been recalled and replaced. Request closure of this deficiency.

NAWC PT. MUGU 250029ZSEP01: NAWC Pt. Mugu concurs with NSWC Crane. Problem will be monitored for further occurrences. This is closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY	NAWC PT MUGU/473440E	INVESTIGATE	COMPLETE 25SEP01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	MALS-36 MESSAGE 061921ZFEB96	PROBLEM REPORT
	NAWC PT MUGU/311200E MESSAGE 120129ZFEB96	INTERIM RESPONSE
	NAWC PT MUGU/473440E MESSAGE 290229ZAUG97	UPDATE
	NSWC CRANE MESSAGE 081417ZOCT97	RECALL OF ALL M240D GUNS
	NSWC CRANE MESSAGE 012145ZAPR98	STATUS UPDATE
	NSWC CRANE/408 MESSAGE 260910ZAPR01	CLOSURE REQUEST
	NAWC PT MUGU/311000E MESSAGE 250029ZSEP01	CLOSING

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16240

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GAU-17 DAS	218F833	1005	01-230-1520	
	BOLT	65B9866	9999	99-999-9999	

EI CNTRL NO:

PROB BRIEF : JAM

PROBLEM : Jam.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been taken.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HMLA-167	CODR	M09898-01-0007	28AUG01	OPEN
	HMLA-267	EMR	M09159-96-0032	03DEC96	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : HMLA-167 CODR M09898-01-0007 28AUG01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	65B9866			
	NOMEN: BOLT			
	S/N: NONE			
FAILED PART:	65B9866			
	NOMEN: BOLT			

DESCRIPTION:

Pilot reported gun jammed in flight after firing 500 rounds. Gun was cleared. Post flight inspection revealed aft portion of bolt was found to be seized, causing cycle of operation to stop. Rounds counter on gun is 502.

ACTION TAKEN:

NAWC PT. MUGU 300029ZAUG01: Request HMLA-167 hold exhibit in an as is condition. Request NSWC Crane take for action and provide shipping instructions to HMLA-167 for exhibit. Upon completion of investigation provide results to all concerned.
NSWC CRANE 051405ZSEP01: Request ship gun system to NSWC Crane.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	NSWC CRANE/408	INVESTIGATE	28NOV01	OPEN

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16240

(Continued) |

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HMLA-167 MESSAGE 281245ZAUG01	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE 300029ZAUG01	INTERIM RESPONSE
	NSWC CRANE/408 MESSAGE 051405ZSEP01	EXHIBIT REQUEST

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16630 OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUN	11691500	1005	00-165-4561	
	GUN XM218	11691500	1005	01-165-4561	

EI CNTRL NO:

PROB BRIEF : XM-218/GAU-16 BREECH LOCKS CRACKED

PROBLEM : Gun system breech lock pin found to be cracked.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	MALS-29	PQDR II	M52841-00-0003	07FEB00	OPEN
	MALS-36	CODR	M09136-99-0040	08DEC99	CLOSED *
	MALS-36	CODR	M09136-99-0022	07DEC99	CANCELED*
	HMH-361	CODR	M09446-99-0022	09NOV99	CLOSED *
	MALSEK	CODR/EIR	M39797-99-0048	27OCT99	OPEN

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : MALS-29 PQDR II M52841-00-0003 07FEB00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	11691500	1005	00-165-4561	
	NOMEN: GUN			
	S/N: UNKNOWN			
FAILED PART:	6008784	5315	00-600-8784	
	NOMEN: BREECH LOCK PIN			
	S/N: UNKNOWN			

DESCRIPTION:

During acceptance inspection of 42 XM218 .50 caliber machine guns, it was discovered that no annotation of AAB 684 was on the Stores Reliability Card. AAB 684 is the inspection of the locking block. This inspection was performed and noted that eight of 42 locking block pins were cracked.

ACTION TAKEN:

NAWC PT. MUGU 13APR00: NAWC Pt. Mugu reiterates that there is no known nondestructive inspection criteria for this component. However, this deficiency will be forwarded to the item manager at the Defense Supply Center Philadelphia for action and disposition.

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16630 (Continued)

		0	
7161302-3	2	0	0
7161302-6	3	0	2
B-7161302-3	4	0	2
B-7161302-4	1	0	1
B-8925	1	0	0
B-8925-1	2	0	2
B-8925-11	1	0	1
B-8925-16	8	0	4
B-8925-18	1	0	1
Blank		16	2
		0	
Total		62	
	22		0

Test was conducted on 45 breech locks from U.S. Army and Army reserve sources, and 17 from USMC ground units. Tests were conducted on 84 ASEK 1ST MAW weapons, following information is provided:

P/N	QTY	Failed
	Failed	
Tested	Hardness	NDI
7161302	69	17
	22	
B-7161302-3	2	1
		1
B-7161302-4	3	1
		0
Blank	10	1
	0	

Testing only to standards in CNAP 231304ZOCT99 message generated failure rate of 29 percent overall. Addition of magnetic particle inspection identified 23 faulty breech locks, and raised failure rate to 38 percent.

NSWC Crane 260827ZAPR01: NSWC Crane could not locate exhibitis therefore examination can not be completed. Request closure of this deficiency.

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16630

(Continued)

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NSWC CRANE/4022	INVESTIGATE	26JAN00	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		MALSEK MESSAGE 270304ZOCT99	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 280529ZOCT99	INTERIM RESPONSE
		NSWC CRANE MESSAGE 301417ZNOV99	DISPOSITION INSTRUCTIONS
		MALSEK MESSAGE 060300ZDEC99	SUPPLEMENTAL INFORMATION
		NSWC CRANE/408 MESSAGE 260827ZAPR01	CLOSURE REQUEST

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16882 OPEN

EI CNTRL NO:

PROB BRIEF : GAU-17 BOLT ASSEMBLY WILL NOT FIT IN GROOVE

PROBLEM : Gun bolt assembly will not fit in groove.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	MAWTS-1	PQDR II	M55167-00-0029	20OCT00	OPEN
ACTION :	MAWTS-1	PQDR II	M55167-00-0029	20OCT00	OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :				
	S/N: N/A			
FAILED PART:	65B9865	1005	00-919-7015	
	NOMEN: BOLT ASSEMBLY			

DESCRIPTION:

It was reported that bolt assembly will not fit properly into groove.

ACTION TAKEN:

NAWC PT. MUGU 200529ZNOV00: Request DCSC Columbus provide shipping instructions to MAWTS-1.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	DCSC COLUMBUS	PROVIDE DISPOSITION INSTRUCTIONS	18FEB02	OPEN

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	MAWTS-1 E-MAIL 20OCT00	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE	INTERIM RESPONSE
	200529ZNOV00	

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16915 CLOSED

EI CNTRL NO: 01-0006

PROB BRIEF : INTERNAL BINDING WITHIN RECEIVER ASSEMBLY WHEN CYCLED

PROBLEM : Internal binding within receiver assembly when manually cycled
DESCRIPTION (charged).

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HSL-51	EIR	R55584-01-0004	16FEB01	CLOSED
ACTION :	HSL-51	EIR	R55584-01-0004	16FEB01	CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	S/N: 753224			
FAILED PART:	1698AS190	1005	01-250-5782	
	NOMEN: GAU-16 DAS			

DESCRIPTION:
GAU-16 50 Caliber gun head space timing could not be accomplished.
Weapon binds when cycled.

ACTION TAKEN:
NAWC PT. MUGU 211129ZFEB01: Request NSWC Crane take for action. Provide disposition instructions. Upon completion of investigation provide findings to all concerned.
NSWC CRANE 260803ZAPR01: Shipping instructions provided.
NAWC PT. MUGU 260129ZJUN01: Investigation has been completed and the results are as follows: Head space and timing were checked on weapon. Weapon was found to be three clicks out on spacing. Weapon was taken to range for test firing. Weapon fired one round and then stopped. Weapon was rechecked for head space timing fired one round and stopped again. So the conclusion is that during further inspection the weapons was missing cartridge stops. Stops were installed and weapon shot like new. No further action planned. Problem will be monitored for further occurrences. This is closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
	NSWC CRANE/408	INVESTIGATE	COMPLETE 26JUN01

30-NOV-01

SMALL CALIBER GUNS AND AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16915

(Continued) |

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HSL-51 MESSAGE 160140ZFEB01	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE 211129ZFEB01	INTERIM RESPONSE
	NSWC CRANE/408 MESSAGE 260803ZAPR01	EXHIBIT REQUEST
	NAWC PT MUGU/311000E MESSAGE 260129ZJUN01	REPLY/CLOSING