

C6611676

MODEL 700™ M24

Model S&S™

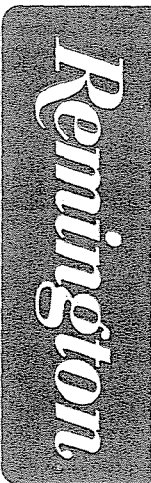
Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.






VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

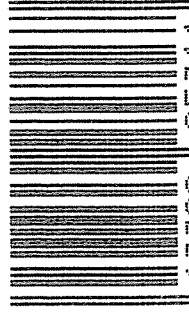
SERIAL NO.
C6611676

ORDER NO.
5716

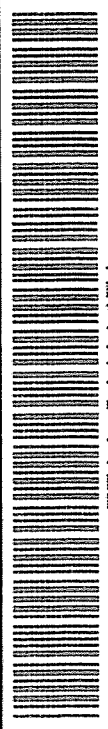
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.

46

UPC



0 4700 25716 7



5716 C6611676

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611676

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	9 1	RW
600	Proof	3 28	9 1	RW
607	Check Headspace	3 28	9 1	RW
610	Dis-assemble Gun	3 28	9 1	RW
612	Magnaflux Barrel Action		APR 2 1991	RR
	Magnaflux Bolt		APR 2 1991	Y
615	Rollmark Caliber		APR 2 1991	JS
617	Drill and Tap Sight Holes		APR 5 1991	LB
618	Polish Barrel		APR 5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/91	RU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-2-91	DH
	G) Safety Off Force	5	4	5			5-2-91	DH
	H) Trigger Pull Test & Retainability						5/2/91	94
	I) Firing Pin Indent	.020	.021	.021			5-2-91	DH
	J) Assemble Stock						5/3/91	RW
	K) Assemble Swivel Studs						5-10-91	AC
	L) Attach Front and Rear Sight Assemblies						5/3/91	RW
	M) Iron Sight Alignment						5/3/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/3/91	RW
	O) Attach Scope to Rifle						5/3/91	RW
	P) Detach & Attach Scope 20 Times						5/3/91	RW
640	Gallery Target & Test						5-3-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-3-91	NF
655	Final Inspection							
	A) Headspace						5-10-91	AC
	B) Trigger Pull	2.26	2.24	2.26	2.31	2.31	5/9/91	94
	C) Function						5-10-91	AC
660	Pack						6-17-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C.6611676
DATE 5/2/91
TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.30	2.28	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.32	2.31	2.24	
PULL #3	2.32	2.30	2.30	2.26	
PULL #4	2.10	2.36	2.38	2.31	
PULL #5	2.27	2.34	2.35	2.31	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.29		
PULL #2	3.32	3.36		
PULL #3	3.32	3.36		
PULL #4	3.30	3.41		
PULL #5	3.29	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.29		4.40
PULL #2	4.36	4.16		4.37
PULL #3	4.36	4.35		4.35
PULL #4	4.31	4.43		4.39
PULL #5	4.44	4.30		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611676
3 May 1991

CENTROIDAL DISTANCES

0 TO	1	.277795
1 TO	2	.239477
1 TO	3	.271649
1 TO	4	.360472
1 TO	5	.206886

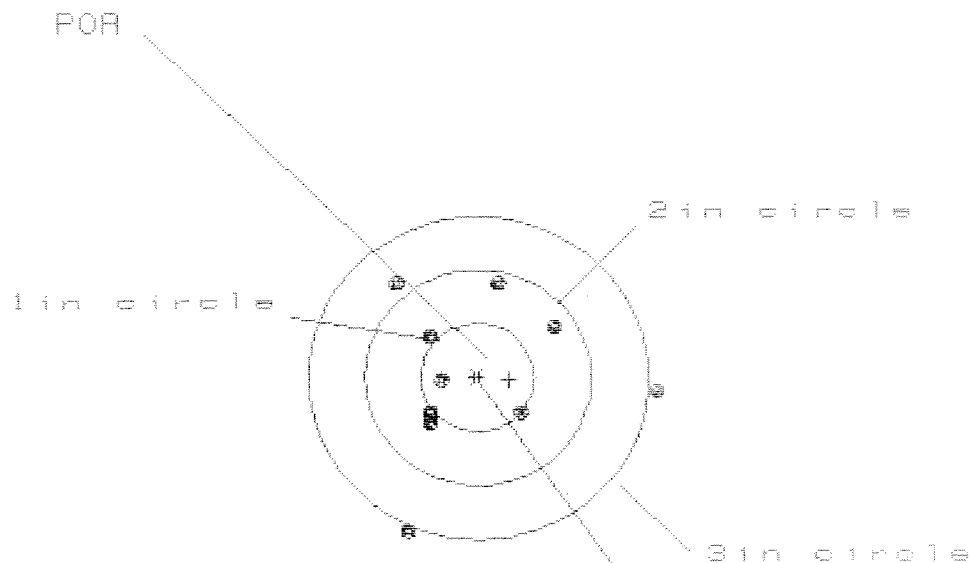
14 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0696
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0702054
THE AMR FOR THIS RIFLE IS: .9214

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611676

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.355

VS = 2.381

GS = 2.578

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.615	.869	.818
MINIMUM X	:	-.740	-.561	-.612
MAXIMUM Y	:	.927	.914	.731
MINIMUM Y	:	-1.454	-1.467	-.639
CENTROID X	:	-.277	-.456	-.405
CENTROID Y	:	.021	.034	.217
POA TO CENTROID in.	:	.278	.458	.460
MIN RADIUS	:	.337	.171	.321
MEAN RADIUS	:	.865	.743	.657
MAX RADIUS	:	1.619	1.523	.950
HORIZONTAL SPREAD	:	2.355	1.430	1.430
VERTICAL SPREAD	:	2.381	2.381	1.370
EXTREME SPREAD	:	2.578	2.500	1.702
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=			8

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811676

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.787

VS= 2.486

GS= 2.961

PATTERN #

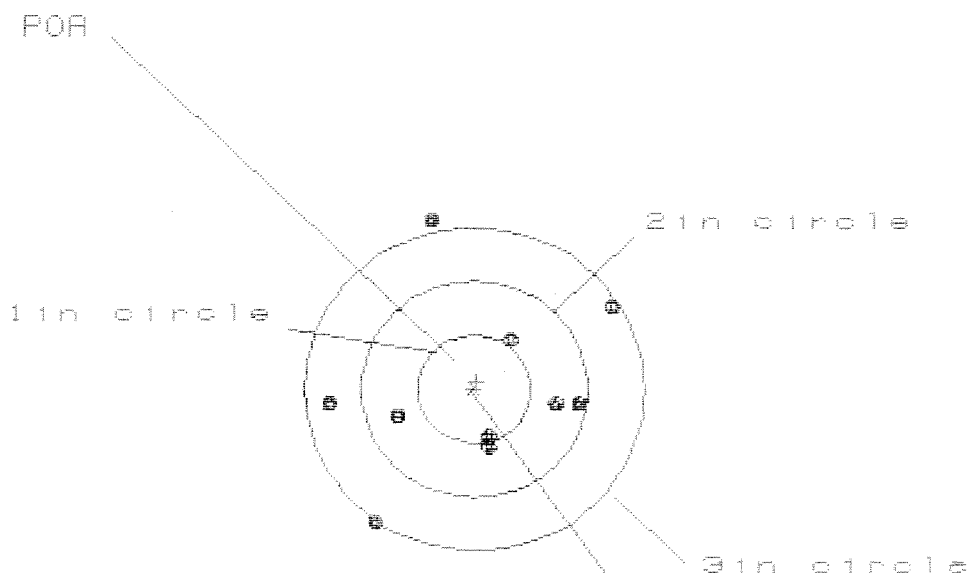
2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.848	.777	.672
MINIMUM X	:	-.939	-.845	-.845
MAXIMUM Y	:	1.086	.930	1.030
MINIMUM Y	:	-1.401	-.862	-.762
CENTROID X	:	-.052	-.146	-.041
CENTROID Y	:	-.061	.094	-.006
POA TO CENTROID in.	:	.081	.174	.041
MIN RADIUS	:	.076	.092	.131
MEAN RADIUS	:	.817	.720	.651
MAX RADIUS	:	1.637	1.212	1.230
HORIZONTAL SPREAD	:	1.787	1.622	1.517
VERTICAL SPREAD	:	2.486	1.792	1.792
EXTREME SPREAD	:	2.961	2.348	2.348
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611676

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.547

VS= 2.806

GS= 2.933

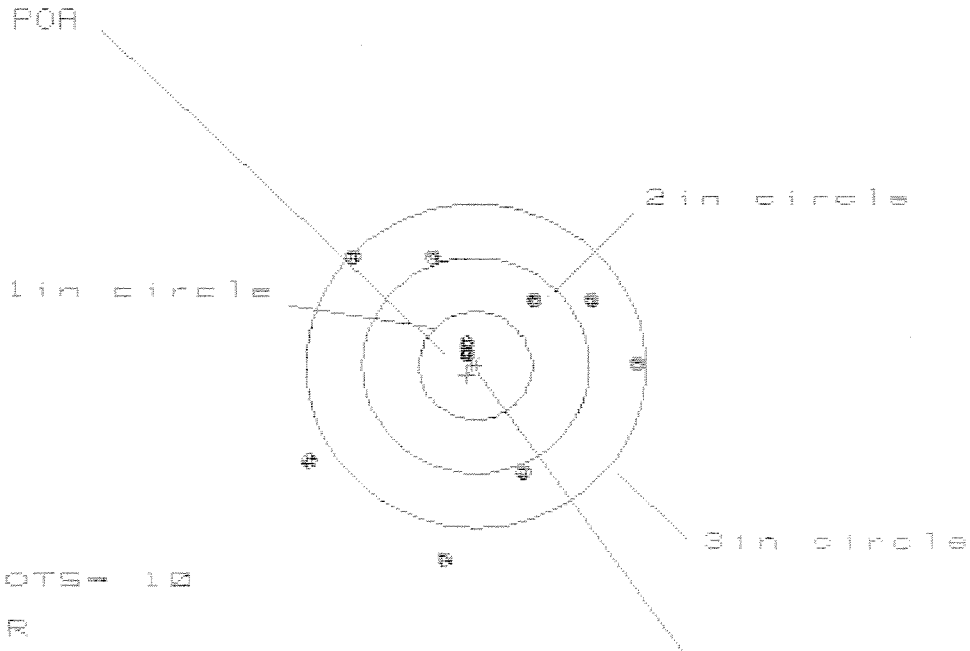
CENTROID #

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.240	1.196	1.076
MINIMUM X	:	-1.306	-1.351	-1.471
MAXIMUM Y	:	1.555	.908	.773
MINIMUM Y	:	-1.251	-1.078	-.449
CENTROID X	:	-.020	.024	.144
CENTROID Y	:	-.067	-.240	-.105
POA TO CENTROID in.	:	.070	.241	.179
MIN RADIUS	:	.398	.220	.352
MEAN RADIUS	:	.975	.868	.792
MAX RADIUS	:	1.606	1.501	1.476
HORIZONTAL SPREAD	:	2.547	2.547	2.547
VERTICAL SPREAD	:	2.806	1.986	1.222
EXTREME SPREAD	:	2.933	2.933	2.700
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611676

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.897

VS= 2.852

GS= 3.050

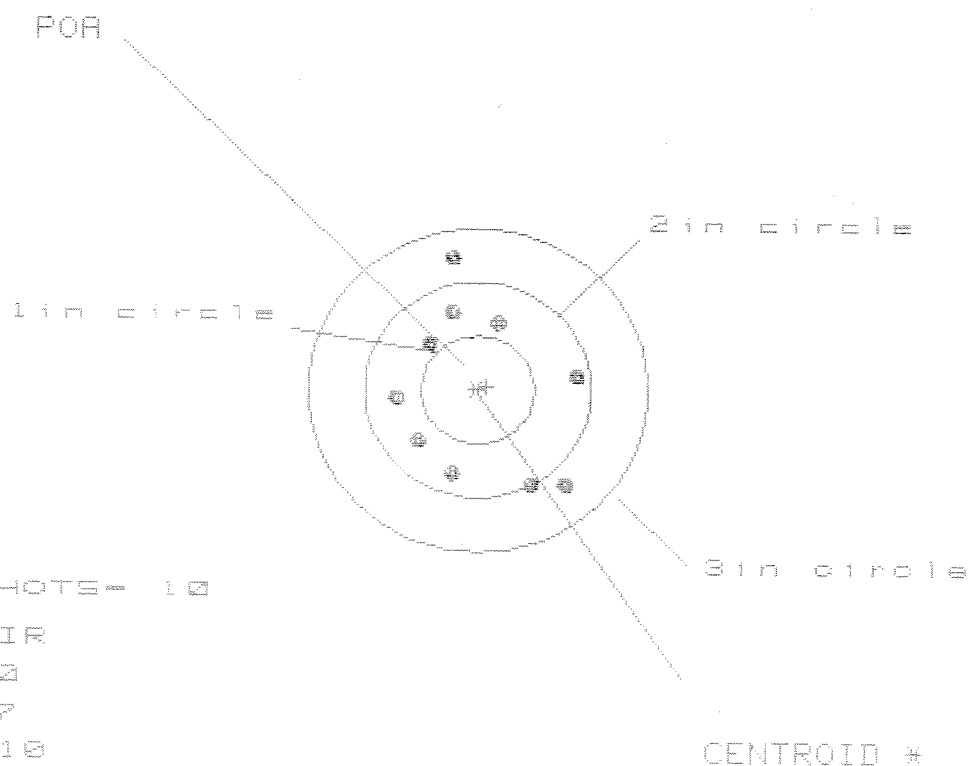
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.395	1.366	1.175
MINIMUM X	:	-1.502	-1.531	-1.315
MAXIMUM Y	:	1.055	.855	.715
MINIMUM Y	:	-1.797	-1.160	-1.300
CENTROID X	:	.077	.106	.297
CENTROID Y	:	.089	.289	.429
POA TO CENTROID in.	:	.118	.307	.522
MIN RADIUS	:	.140	.068	.270
MEAN RADIUS	:	1.100	.971	.854
MAX RADIUS	:	1.815	1.897	1.497
HORIZONTAL SPREAD	:	2.897	2.897	2.490
VERTICAL SPREAD	:	2.852	2.015	2.015
EXTREME SPREAD	:	3.050	3.050	2.691
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11676

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 0

2in - 7

3in - 10

HS- 1.523

VS- 2.125

GS- 2.348

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.841	.814	.906
MINIMUM X	:	-.682	-.709	-.617
MAXIMUM Y	:	1.225	.863	.767
MINIMUM Y	:	-.900	-.764	-.852
CENTROID X	:	-.076	-.049	-.141
CENTROID Y	:	-.028	-.164	-.068
POA TO CENTROID in.	:	.081	.171	.156
MIN RADIUS	:	.588	.659	.578
MEAN RADIUS	:	.850	.805	.753
MAX RADIUS	:	1.248	1.058	1.027
HORIZONTAL SPREAD	:	1.523	1.523	1.523
VERTICAL SPREAD	:	2.125	1.627	1.619
EXTREME SPREAD	:	2.348	1.913	1.787
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

R 94-57439

FROM:	SHIP TO:
US ARMY ARDEC ATTN JOHN BUCH BLDG 91 PO #94V0672 PICATINNY ARSENAL NJ 07806	US ARMY ARDEC ATTN JOHN BUCH BLDG 91 PO #94V0672 PICATINNY ARSENAL NJ 07806

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

Weapon Will Not Eject Rounds

[illegible]

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC 4W		ORG. PD 07		PD AUTHENTICATION <i>Richard A. Bertman</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION CO B 3/172nd INF (MIN)		B. LOCATION BREWER, ME 04412-1739			C. UNIT IDENT CODE W49B0		
2. SERIAL NO. 06611676		3. NOUN NOMENCLATURE RIFLE 7.62mm		4. LINE NO. R95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY DEPOT		B. LEVEL D		8. UTILIZATION CODE 7		9A. MCSR ITEM Y		9B. ERC A	
						9C. PACING ITEM		10. HOURS	
								11. MILES	
								12. ROUNDS	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)				
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other					☐ 058 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☒ 387 Low Performance ☐ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)									
WEAPON WILL NOT EJECT ROUNDS									
WEAPON SHIPPED WITH AIR DROP CASE									
UNIT TELEPHONE # (207) 989-7450 POC at THIS UNIT IS SFC JARED SMITH									
B. REMARKS									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
DA Label 18-1, Sep 83 Edition of Oct 74 will be used until exhausted. DEPARTMENT OF THE ARMY FROM: U.S. ARMY/ARDEC PICATINNY ARSENA, N.J. 07806 OFFICIAL BUSINESS DR-DAR-PSL-MAS PSL-SA 1568 TO- REMINGTON ARMS COMPANY INC. 14 HOFFER AVE ILION, NY 13357 ATTN: FRED MARTIN WASHINGTON W15BW9-4221-8001XXX REGISTERED MAIL R 467 200 307 1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. <i>Block 1A.</i> Enter the name of the organization submitting the request. 6. <i>Block 1B.</i> Enter the unit submitting the request; units overseas enter APO only. 7. <i>Block 1C.</i> Enter the unit identification code of the unit in block 1A. 8. <i>Block 2.</i> Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. <i>Block 3.</i> Enter the noun abbreviation of the item. 10. <i>Block 4.</i> Enter the item line number, if applicable. 11. <i>Block 5.</i> Enter the model number. 12. <i>Block 6.</i> Enter the National Stock Number of the item listed in Block 3.									
23. SUBMITTED BY <i>R. Bertman</i>		24. RECEIVED BY							
JULIAN DATE 4214		JULIAN DATE							

MAINTENANCE REQUEST				PAGE NO. 1	NO OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)					
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.		WESDC 4N		ORG. PD 07		PD AUTHENTICATION <i>Richard H. Berthman</i>			
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION CO B 3/172nd INF (HMM)		B. LOCATION BRIMMER, ME 04412-1739				C. UNIT IDENT CODE W4950			
2. SERIAL NO. 06611576		3. NOUN NOMENCLATURE RIFLE 7.62mm		4. LINE NO. 105367		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136			
7A. MAINTENANCE ACTIVITY DEFOI		B. LEVEL D		8. UTILIZATION CODE 7		9A. MCSR ITEM Y		9B. ERC A			
						9C. PACING ITEM		10. HOURS			
								11. MILES			
								12. ROUNDS			
								13. STARTS			
14. FAILURE DETECTED DURING (Select one - use ☒ or X) ☐ A Sch. Main. ☐ B Handling ☐ C Test ☒ D Normal Op ☐ E Storage ☐ F Inspection ☐ G Flight ☐ H Other											
15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) ☐ 068 Inoperative ☐ 008 Noisy ☐ 258 Overheating ☒ 387 Low Performance ☐ 790 Out of Adjustment ☐ Other											
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs).											
WEAPON WILL NOT EJECT ROUNDS											
WEAPON SHIPPED WITH AIR DROP CASE											
UNIT TELEPHONE # (0607) 989-7450 POC at THIS UNIT IS SFC JARED SMITH											
B. REMARKS											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)			19. AMS ACCT. CODE		
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST \$		K. TOTAL PARTS COST \$		
21. DELAY (Select One)					☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools		22. Data Transcribed				
23. SUBMITTED BY <i>R. Berthman</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
										☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	
JULIAN DATE 4214		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE			