

C6225351

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5715

* Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6725351

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel RB		7/24/89	WB
620	Apply Coatings (Barrel Action)		7/25/89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		7/27/89	JO

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability						7/27/89	J.O.
	I) Firing Pin Indent							
	J) Assemble Stock						7/30/89	RW
	K) Assemble Swivel Studs						7/31/89	W.B.
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace						8/2/89	JS
	B) Trigger Pull	2.76	2.72	2.73	2.76	2.72	8/2/89	JS
	C) Function						8/2/89	JS
660	Pack						8/3/89	W.B.

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#
3.00#+ .75#
4.00#+1.00#

SERIAL NO. C6225351

DATE 27 July 89

TESTER J.C.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.69		2.69	2.76	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54		2.74	2.72	
PULL #3	2.61		2.62	2.73	
PULL #4	2.66		2.72	2.72	
PULL #5	2.89		2.69	2.76	
TOTAL	13.39		13.16	13.69	
AVG.	2.678		2.632	2.738	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1				
PULL #2				
PULL #3				
PULL #4				
PULL #5				
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			
PULL #2	4.07			
PULL #3	4.16			
PULL #4	4.19			
PULL #5	4.16			
TOTAL	20.91			
AVG.	4.182			

88299

5081

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225351

OPERATION		DATE	INT
#	NAME		
575-580	ASSEMBLY 2	26	FB
600	PROOF	29	RW
615	MAGNAFLUX BARREL	5/13/88	Pfle.
	MAGNAFLUX BOLT	5/13/88	Pfle.
620	COATING	8/11/88	TJH
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225351

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/6/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/6/88	RW
	C) Inspect Ejector Hole for Chamfer		9/6/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/6/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		6 Sept 88	JS
	F) Safety on Force	6.25 6.5 6.5	6 Sept 88	JS
	G) Safety off Force	3.25 3.5 3.5	6 Sept 88	JS
	H) Trigger Pull Test & Retainability		6 Sept 88	JS
	I) Firing Pin Indent	.022 .0225 .0225	6 Sept 88	JS
	J) Assemble Stock		9/23/88	RW
	K) Assemble Swivel Studs		10-6-88	JS
	L) Attach Front & Rear Sight Assemblies		9/23/88	RW
	M) Iron Sight Alignment		9/23/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/23/88	RW
	O) Attach Scope to Rifle		10/3/88	RW
	P) Detach & Attach Scope 20 times		10/3/88	JS
640	Gallery Target & Test	61 R 94 L	10/4/88	JES
	A) Optical Clarity of Scope		10/4/88	JS
645	Inspect for Live Ammo		10/4/88	JS
655	Final Inspection			
	A) Headspace		10-6-88	JS
	B) Trigger Pull		10-6-88	JS
	C) Function		10-6-88	JS
660	Pack		10-21-88	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225351

DATE 6 Sept 88

TESTER W.S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.41	2.57	2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.42	2.50	2.78	
PULL #3	2.50	2.46	2.46	2.68	
PULL #4	2.50	2.39	2.49	2.73	
PULL #5	2.51	2.47	2.51	2.50	
TOTAL	12.61	12.15	12.63	13.79	
AVG.	2.522	2.43	2.526	2.76	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.22		
PULL #2	3.40	3.30		
PULL #3	3.47	3.31		
PULL #4	3.47	3.31		
PULL #5	3.40	3.31		
TOTAL	16.93	16.45		
AVG.	3.386	3.29		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.34		3.97
PULL #2	4.25	4.23		4.02
PULL #3	4.27	4.29		4.04
PULL #4	4.26	4.21		4.03
PULL #5	4.29	4.18		4.05
TOTAL	21.39	21.28		20.11
AVG.	4.278	4.256		4.022

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225351

CENTROIDAL DISTANCES

0 TO	1	2.02431
1 TO	2	.608416
1 TO	3	.908243
1 TO	4	.713222
1 TO	5	.529004

5 3
1 2

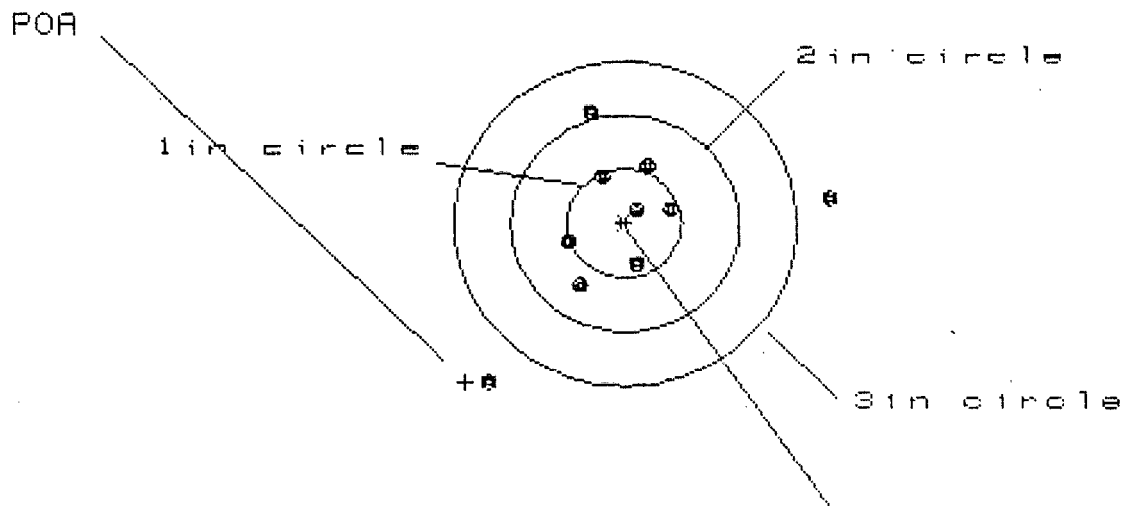
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.6438
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.906
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 2.51693
THE AMR FOR THIS RIFLE IS: .9652

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

CENTROID #

IN CIR

1in = 3

2in = 7

3in = 8

HS= 2.984

VS= 2.502

GS= 3.411

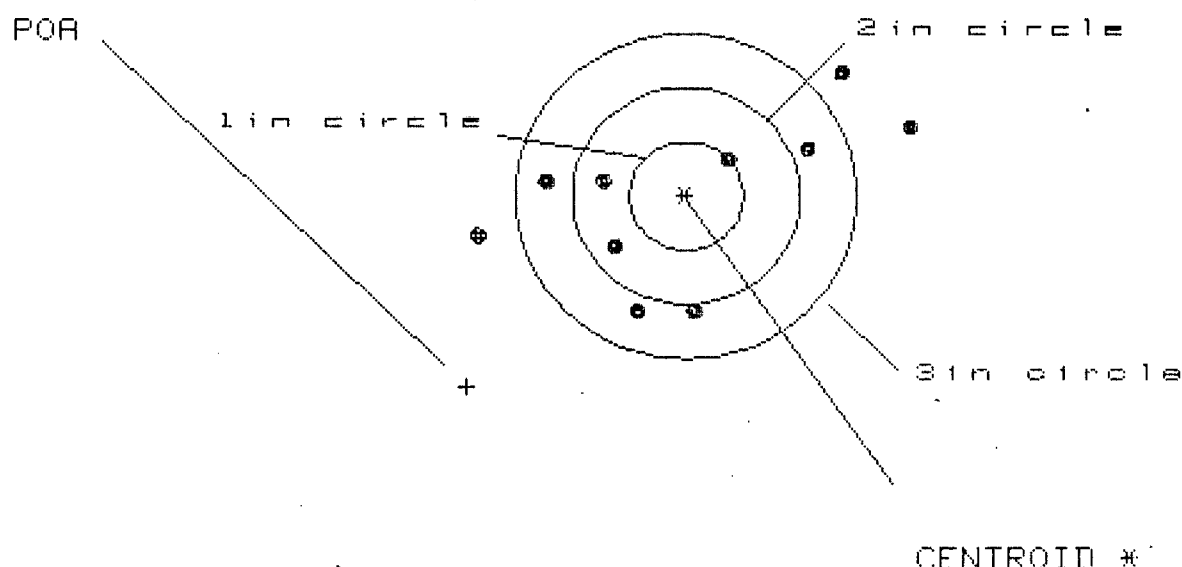
PATTERN # : 1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.769	1.634	.512
MINIMUM X	-1.215	-.649	-.445
MAXIMUM Y	1.068	.908	.915
MINIMUM Y	-1.434	-.743	-.735
CENTROID X	1.397	1.532	1.328
CENTROID Y	1.465	1.625	1.617
POA TO CENTROID in.	2.025	2.233	2.093
MIN RADIUS	.198	.013	.192
MEAN RADIUS	.807	.656	.537
MAX RADIUS	1.880	1.635	.947
HORIZONTAL SPREAD	2.984	2.283	.957
VERTICAL SPREAD	2.502	1.651	1.651
EXTREME SPREAD	3.411	2.322	1.652
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS # 2



OF SHOTS- 10
IN CIR
1 in = 0
2 in = 3
3 in = 7
HS= 3.749
VS= 2.178
GS= 3.888

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.938	1.600	1.401
MINIMUM X	-1.811	-1.596	-1.204
MAXIMUM Y	1.130	1.202	1.163
MINIMUM Y	-1.048	-.976	-1.015
CENTROID X	1.928	1.713	1.912
CENTROID Y	1.762	1.690	1.729
POA TO CENTROID in.	2.612	2.406	2.578
MIN RADIUS	.515	.510	.550
MEAN RADIUS	1.221	1.091	1.037
MAX RADIUS	2.043	2.001	1.821
HORIZONTAL SPREAD	3.749	3.196	2.605
VERTICAL SPREAD	2.178	2.178	2.178
EXTREME SPREAD	3.888	3.536	2.813
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.973

VS= 1.724

GS= 3.115

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.792	.608
MINIMUM X	:	-1.963	-1.473	-.616
MAXIMUM Y	:	.964	.932	.865
MINIMUM Y	:	-.760	-.792	-.859
CENTROID X	:	2.008	2.226	2.410
CENTROID Y	:	2.137	2.169	2.236
POA TO CENTROID in.	:	2.932	3.108	3.287
MIN RADIUS	:	.300	.244	.364
MEAN RADIUS	:	.995	.839	.726
MAX RADIUS	:	1.984	1.567	1.062
HORIZONTAL SPREAD	:	2.973	2.265	1.224
VERTICAL SPREAD	:	1.724	1.724	1.724
EXTREME SPREAD	:	3.115	2.537	1.927
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

#. IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.435

VS= 2.791

GS= 2.894

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.357

1.160

1.260

MINIMUM X

-1.078

-.927

-.827

MAXIMUM Y

1.275

1.106

.601

MINIMUM Y

-1.516

-.511

-.373

CENTROID X

1.491

1.340

1.240

CENTROID Y

2.172

2.341

2.203

POA TO CENTROID in.

2.635

2.697

2.528

MIN RADIUS

.236

.216

.072

MEAN RADIUS

.856

.675

.565

MAX RADIUS

2.035

1.364

1.294

HORIZONTAL SPREAD

2.435

2.087

2.087

VERTICAL SPREAD

2.791

1.617

.974

EXTREME SPREAD

2.894

2.318

2.087

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

6

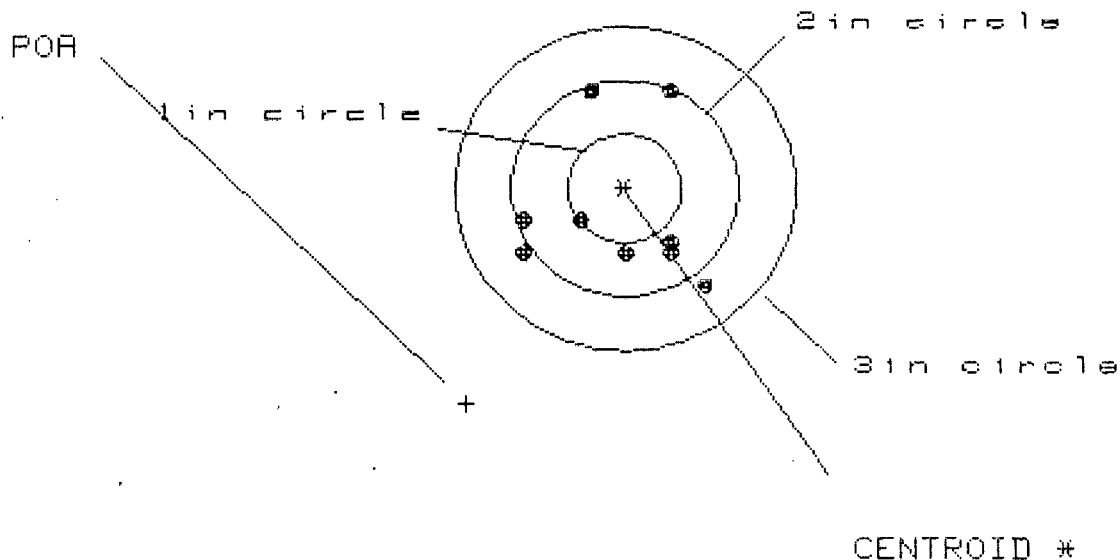
NUMBER IN THREE INCH CIRCLE =

9

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in = 9

HS- 1.626

VS= 2.783

GS= 2.819

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.733	.781	.581
MINIMUM X	:	-.893	-.845	-.747
MAXIMUM Y	:	1.883	1.147	1.060
MINIMUM Y	:	-.900	-.690	-.483
CENTROID X	:	1.395	1.347	1.249
CENTROID Y	:	1.994	1.784	1.871
POA TO CENTROID in.	:	2.433	2.236	2.250
MIN RADIUS	:	.458	.335	.269
MEAN RADIUS	:	.947	.782	.753
MAX RADIUS	:	1.932	1.243	1.208
HORIZONTAL SPREAD	:	1.626	1.626	1.328
VERTICAL SPREAD	:	2.783	1.837	1.543
EXTREME SPREAD	:	2.819	2.052	2.034
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

FROM: WEAPONS POOL BRANCH MAINT. DIV. DOL BLDG 9106 FORT BENNING GA 31905	SHIP TO: WEAPONS POOL BRANCH MAINT. DIV. DOL BLDG 9106 FORT BENNING GA 31905
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REPAIR CHARGE	TAX	INSURANCE	UPS	PARCEL POST	TOTAL
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PD4025 REV. 7/00

THROUGH

16. REMARKS

17a. REPAIR ORGANIZATION/ACTIVITY	c. UNIT IDENT CODE	18. TYPE ORGANIZATION/ACTIVITY AC- COMPLISHING WORK (Select one - use ☒ or X)	19. AMS ACCOUNT CODE
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					i. TOTAL MANHOURS		m. TOTAL MANHOURS COST		n. TOTAL PARTS COST		
							\$		\$		
21. DELAY (Select one)					☐ 1 Parts		☐ 2 Manpower		☐ 3 Facilities		
					☐ 4 Funds		☐ 5 Tools		22. ☐ DATA TRANSCRIBED		
23. SUBMITTED BY		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select one)	
<i>[Signature]</i>										☐ A To User	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ C Salvaged	
										☐ B To Stock	
										☐ D Evacuated	
										☐ E Cannibalization	

INITIAL JJM		CUSTOMER ORDER NO.		COMMENTS SNIPER M-24 W/10X LEUPOLD SCOPE		
DATE RECEIVED 08/08/90	DATE OPENED 08/16/90	DATE CODE	SERIAL NUMBER C6225351	MODEL AND GRADE 9999 7.65 NATO		ORDER 90-22047
ACCESSORIES SLING STRAP		W/STUDS		W/SWIVELS		HARD CASE

FROM:

MAINTANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q
BLDG 226
FORT BENNING GA 31905-5173

SHIP TO:

MAINTANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q
BLDG 226
FORT BENNING GA
31905-5173

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
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REPAIR CHARGE	TAX	INSURANCE	UPS	PARCEL POST	TOTAL
GUN CONDITION: ☐ NEW ☐ SLIGHTLY WORN ☐ VERY WORN ☐ MISUSED ☐ MARRED					
CUSTOMER'S REQUEST					

MAIN FAULT

PARTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

RD6925 REV. 6/88

WITH GUN

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400013499

MAINTENANCE REQUEST				PAGE NO. <u>1</u>		NO. OF PAGES <u>1</u>		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		ORG. PD <u>03</u>		PD AUTHENTICATION <i>Jungudmaja</i>		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <u>WEAPONS ROL BR</u> <u>MAINT DIV, DOL</u>			B. LOCATION <u>Bldg 9106</u> <u>Ft. Benning Ga 31905</u>				C. UNIT IDENT CODE <u>W004255</u>		
2. SERIAL NO. <u>C6225351</u>		3. NOUN NOMENCLATURE <u>Rifle Sniper</u>			4. LINE NO. <u>R95387</u>		5. MODEL <u>M24</u>		6. NATIONAL STOCK NUMBER <u>1005-01-240-2136</u>		
7A. MAINTENANCE ACTIVITY		B. LEVEL <u>H</u>	8. UTILIZATION CODE <u>G</u>	9A. MCSR ITEM	9B. ERC	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		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☒ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☐ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <u>Paint Peeling OFF Barrel, STOCK FIBERS WEARING THROUGH</u>											
B. REMARKS <u>Reconditioning Not Done - Rifle Checked & Repaired for Function Only - Remington Arms Co.</u>											
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>Jungudmaja</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	