

C6225067

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225067

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 <i>RB</i>		<i>9/24/89</i>	<i>WB</i>
620	Apply Coatings (Barrel Action)		<i>9/25/89</i>	<i>TA</i>
	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		<i>9/25/89</i>	<i>JO</i>

op. #	BARBER - M24 0048145 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability						7/28/89	AO
	I) Firing Pin Indent							
	J) Assemble Stock						7/31/89	RW.
	K) Assemble Swivel Studs						7/31/89	WB
	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						8/2/89	JS
	A) Headspace							
	B) Trigger Pull	2.22	2.39	2.27	2.19	2.28	8/2/89	JS
	C) Function						8/2/89	JS
660	Pack						8/2/89	WB

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0048147

COMMENTS

W/LEUPOLD 10X SCOPE M-24 SNIPER

AL CUSTOMER ORDER NO.

M

RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

MODEL AND GRADE

ORDER

/11/89

07/17/89

C6225067

9999

R

89-17684

ESSORIES

SLING STRAP

W/STUDS

W/SWIVELS

DM:

SHIP TO:

MAINTENANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q BLDG 226
FORT BENNIG GA 31905-5174

MAINTENANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q BLDG 226
FORT BENNIG GA

31905-5174

OUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

PROM. DATE

ESTIMATED

VIA

UPS

IR CHARGE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

N CONDITION:

☐ NEW

☐ SLIGHTLY WORN

☒ VERY WORN

☐ MISUSED

☐ MARRED

OMER'S REQUEST

1) STRIP AND RE-POWDERCOAT BARREL ACTION

2) STRIP AND RE-POWDERCOAT TRIGGER GUARD ASSY.

3) REPAIR STOCK

7) FUNCTION TEST

4) REFIT ACTION TO STOCK

8) BENCH TEST

5) CLEAN AND RELUBE TRIGGER ASSY.

6) TRIGGER FULL TEST

ARTS MISSING REPLACED

1- 96108 - .050 ALLEN

1- 96051 - 1/16" ALLEN

1- 96109 - 5/64" ALLEN

1- 96052 - 3/32" ALLEN

1- 96110 - 1/64"

1- 96111 - 1/8"

1- 96112 - 5/32"

1- 96106 - M16 CLEANING BRUSH

1- 96135 - CHAMBER BRUSH

1- 96114 - BORE BRUSH

1- 96115 - OIL BOTTLE

REPAIRMAN

RW

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 6/88

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0048147

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06225067DATE 7/28/89TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60		2.19	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25		2.20	2.39	
PULL #3	2.44		2.15	2.27	
PULL #4	2.33		2.20	2.19	
PULL #5	2.40		2.21	2.28	
TOTAL	12.02		10.95	11.25	
AVG.	2.404		2.190	2.25	

	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	4.74			
PULL #2	4.66			
PULL #3	4.47			
PULL #4	4.44			
PULL #5	4.38			
TOTAL	22.69			
AVG.	4.538			

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C62250617*

OPERATION		DATE	INT
#	NAME		
575-580	ASSEMBLY	1/22	FB
600	PROOF	<i>1/28/88</i>	<i>RW</i>
615	MAGNAFLUX BARREL	<i>2/18/88</i>	<i>P/C</i>
	MAGNAFLUX BOLT	<i>2/25/88</i>	<i>P/C</i>
620	COATING	<i>3/2/88</i>	<i>TJA</i>
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225067

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		9/2/88	RW
	B) Inspect for Firing Pin Hole for Chamfer in Bolt Head		9/12/88	RW
	C) Inspect Ejector Hole for Chamfer		9/12/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/12/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		12 Sept 88	JU W.B.
	F) Safety on Force	6 $\frac{3}{4}$ 6 $\frac{3}{4}$ 6 $\frac{1}{2}$	12 Sept 88	JU W.B.
	G) Safety off Force	2 $\frac{3}{4}$ 2 $\frac{3}{4}$ 2 $\frac{1}{2}$	12 Sept 88	JU W.B.
	H) Trigger Pull Test & Retainability		12 Sept 88	JU W.B.
	I) Firing Pin Indent	.0235 .024 .023	12 Sept 88	JU W.B.
	J) Assemble Stock		9/14/88	RW
	K) Assemble Swivel Studs		10-12-88	JS
	L) Attach Front & Rear Sight Assemblies		9/14/88	RW
	M) Iron Sight Alignment		9/14/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/14/88	RW
	O) Attach Scope to Rifle		10/5/88	RW
	P) Detach & Attach Scope 20 times		10-5-88	JS
640	Gallery Target & Test	67R 88L	10-11-88	AC
	A) Optical Clarity of Scope	OK	10-11-88	AC
645	Inspect for Live Ammo	None	10-11-88	AC
655	Final Inspection A) Headspace		10-12-88	JS
	B) Trigger Pull		10-12-88	JS
	C) Function		10-12-88	JS
660	Pack		10-21-88	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6223067

DATE 12 Sept 88

TESTER J. J. W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.54	2.36	2.45 / 2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.38	2.47 / 2.63	
PULL #3	2.45	2.40	2.46 / 2.64	
PULL #4	2.45	2.39	2.43 / 2.61	
PULL #5	2.46	2.40	2.44 / 2.63	
TOTAL	12.33	11.93	12.25	13.15
AVG.	2.466	2.386	2.45 2.45	2.63

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.06		
PULL #2	3.09	3.08		
PULL #3	3.11	3.06		
PULL #4	3.11	3.09		
PULL #5	3.07	3.15		
TOTAL	15.51	15.44		
AVG.	3.10	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.05		4.36
PULL #2	4.13	4.07		4.20
PULL #3	4.14	4.08		4.27
PULL #4	4.09	4.09		4.32
PULL #5	4.12	4.08		4.34
TOTAL	20.63	20.32		21.49
AVG.	4.126	4.064		4.29 4.30

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225067

CENTROIDAL DISTANCES

0 TO	1	.106626
1 TO	2	.908639
1 TO	3	.664732
1 TO	4	.657216
1 TO	5	.843291

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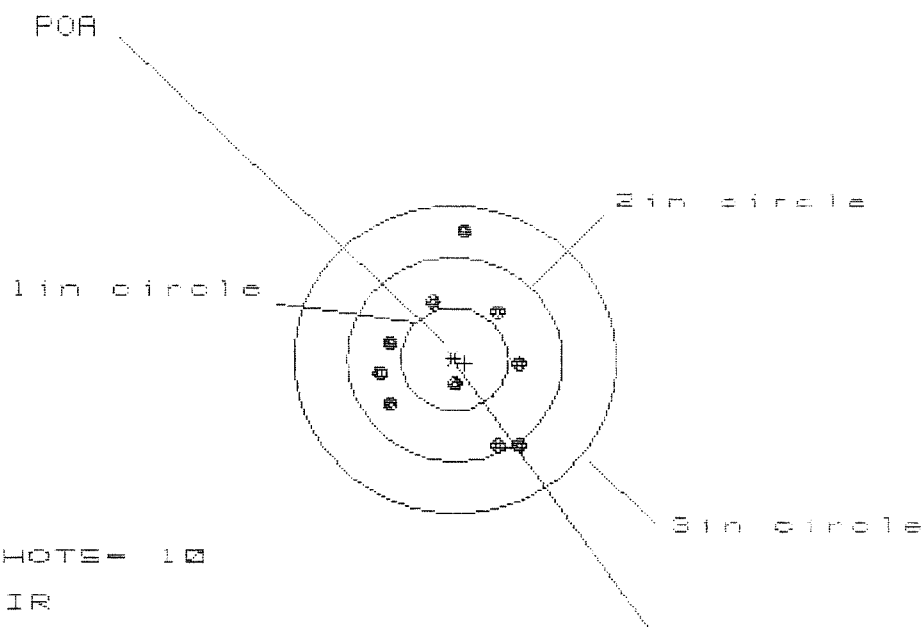
      3
    5  4  <----POA
      4
      2
  
```

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4052
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0704
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .41127
 THE AMR FOR THIS RIFLE IS: .745

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/09225067

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 8

3in = 10

HS = 1.335

VS = 2.008

GS = 2.087

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.632	.639	.717
MINIMUM X	-.703	-.696	-.616

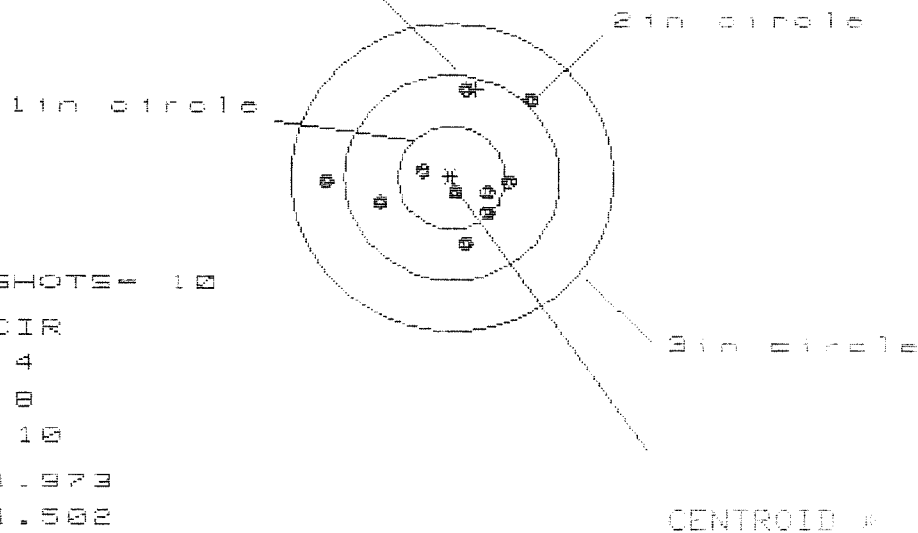
MAXIMUM Y	1.214	.726	.644
MINIMUM Y	-.794	-.659	-.736
CENTROID X	-.100	-.107	-.187
CENTROID Y	.037	-.098	-.016
POA TO CENTROID in.	.107	.145	.188
MIN RADIUS	.282	.150	.257
MEAN RADIUS	.742	.673	.638
MAX RADIUS	1.216	.918	.872
HORIZONTAL SPREAD	1.335	1.335	1.333
VERTICAL SPREAD	2.008	1.385	1.380
EXTREME SPREAD	2.087	1.635	1.511
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06285867

CENTERFIRE PATTERNS # 2

POA



OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 10

HS = 1.973

VS = 1.502

GS = 2.134

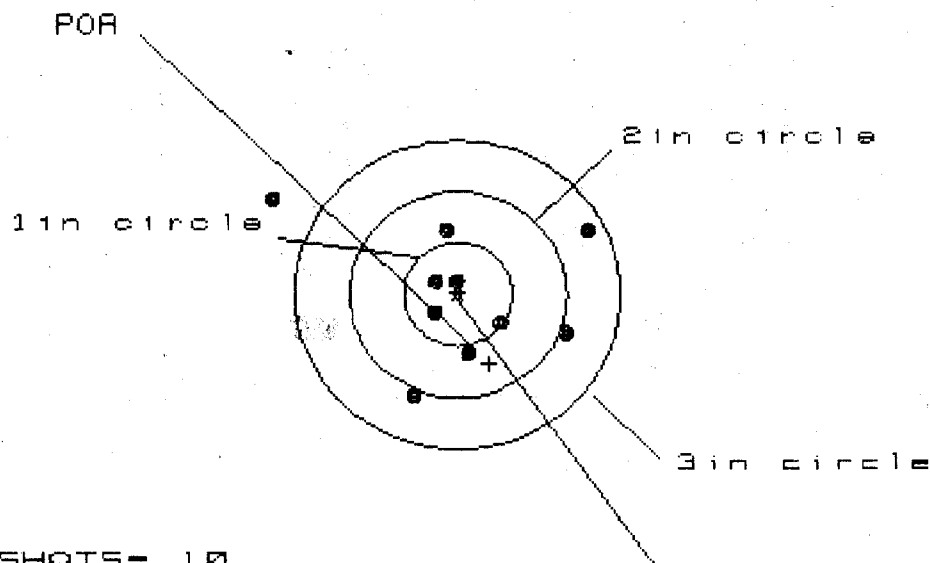
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.756	.621	.462
MINIMUM X	:	-1.217	-.844	-.767
MAXIMUM Y	:	.830	.825	.919
MINIMUM Y	:	-.672	-.677	-.583
CENTROID X	:	-.232	-.097	-.174
CENTROID Y	:	-.862	-.857	-.952
POA TO CENTROID in.	:	.893	.862	.957
MIN RADIUS	:	.137	.152	.036
MEAN RADIUS	:	.634	.552	.475
MAX RADIUS	:	1.218	.981	.921
HORIZONTAL SPREAD	:	1.973	1.465	1.229
VERTICAL SPREAD	:	1.502	1.502	1.502
EXTREME SPREAD	:	2.134	1.799	1.502
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225067

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.889

VS= 1.961

GS= 2.980

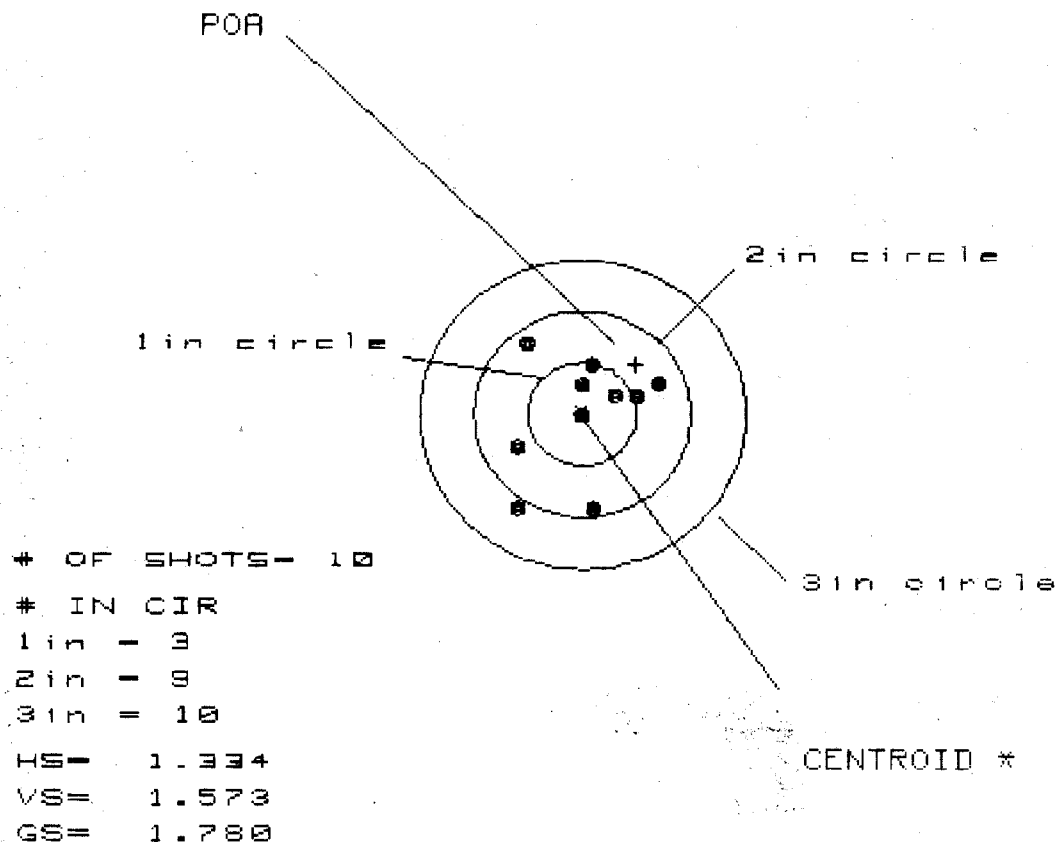
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.197	1.009	.933
MINIMUM X	-1.692	-.618	-.491
MAXIMUM Y	.941	.738	.830
MINIMUM Y	-1.020	-.915	-.823
CENTROID X	-.290	-.102	-.229
CENTROID Y	.674	.569	.477
POA TO CENTROID in.	.734	.578	.529
MIN RADIUS	.173	.303	.285
MEAN RADIUS	.791	.664	.568
MAX RADIUS	1.936	1.250	.959
HORIZONTAL SPREAD	2.889	1.627	1.424
VERTICAL SPREAD	1.961	1.653	1.653
EXTREME SPREAD	2.980	2.319	1.684
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225067

CENTERFIRE PATTERNS # 4

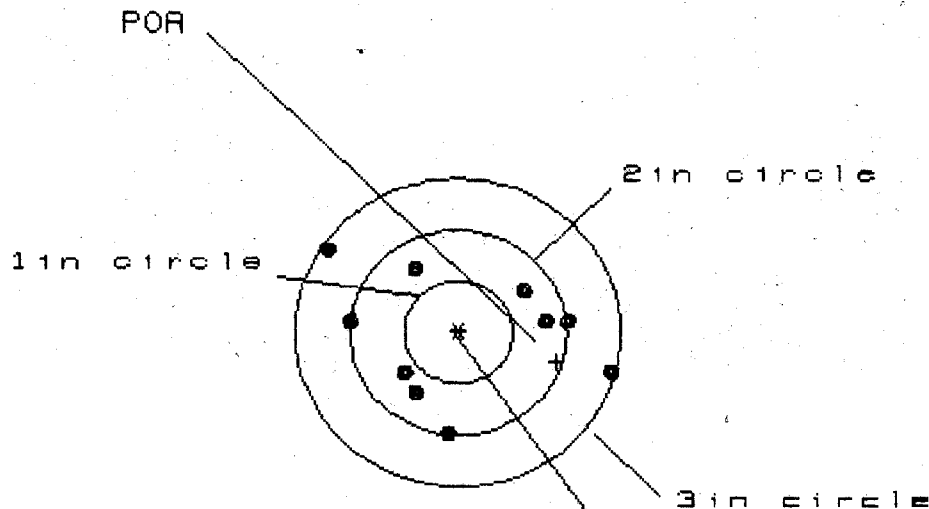


PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	.737	.671	.678	
MINIMUM X	-.597	-.656	-.649	
MAXIMUM Y	.639	.535	.411	
MINIMUM Y	-.934	-.998	-.553	
CENTROID X	-.498	-.432	-.439	
CENTROID Y	-.486	-.382	-.258	
POA TO CENTROID in.	.696	.577	.509	
MIN RADIUS	.049	.147	.072	
MEAN RADIUS	.609	.527	.444	
MAX RADIUS	1.108	.999	.853	
HORIZONTAL SPREAD	1.334	1.327	1.327	
VERTICAL SPREAD	1.573	1.533	.964	
EXTREME SPREAD	1.780	1.662	1.444	
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		9		
NUMBER IN THREE INCH CIRCLE =		10		

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG225067

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 2.585

VS= 1.783

GS= 2.879

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.364	1.228	.977
MINIMUM X	-1.221	-1.179	-1.025
MAXIMUM Y	.840	.662	.620
MINIMUM Y	-.943	-.849	-.891
CENTROID X	-.906	-.770	-.924
CENTROID Y	.285	.191	.233
POR TO CENTROID in.	.950	.794	.953
MIN RADIUS	.642	.690	.598
MEAN RADIUS	.949	.881	.819
MAX RADIUS	1.482	1.273	1.043
HORIZONTAL SPREAD	2.585	2.407	2.002
VERTICAL SPREAD	1.783	1.511	1.511
EXTREME SPREAD	2.879	2.473	2.002
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

BARBER - M24 0048159

COMMENTS

SNIPER M-24 W/10X LEUPOLD SCOPE

INITIAL	CUSTOMER ORDER NO.
---------	--------------------

LM

DATE RECEIVED 00/00/90	DATE OPENED 00/16/90	DATE CODE	SERIAL NUMBER C6225067	MODEL AND GRADE 9999 7.65 NATO	ORDER R 90-22043
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-R
BLDG 224
FORT BENNING GA

GA
31905-5173

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

PROM. DATE

ESTIMATED

VIA

UPS

REPAIR CHARGE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

GUN CONDITION:

NEW

☐ SLIGHTLY WORN

☐ VERY WORN

☐ MISUSED

☐ **MARRIED**

CUSTOMER'S REQUEST

MAIN FAULT

PARTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER	
1	1
2	2
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95	95
96	96
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98	98
99	99
100	100

DATE

DATE

DATE

DATE	
------	--

DATE _____

RD6925 REV. 6/88

WITH GUN

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ^{M2400048198} ~~0048199~~

MAINTENANCE REQUEST						PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL		
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG						1	1	CSGLD - 1047(R1)		
SECTION I - EQUIPMENT DATA										
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG PD		PD AUTHENTICATION		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Weapons Pool Br MAINT DIV, DOL		B. LOCATION Bldg 9106 Ft. Benning GA 31905				C. UNIT IDENT CODE WOU 255		
2. SERIAL NO. C6225067		3. NOUN NOMENCLATURE Rifle Sniper		4. LINE NO. R95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136		
7A. MAINTENANCE ACTIVITY		B. LEVEL H	B. UTILIZATION CODE G	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) ☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ Normal Op ☐ F Inspection ☐ H Other					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) ☐ 068 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). Paint peeling off barrel, stock fibers wearing through screw missing were iron sights mount.										
B. REMARKS Reconditioning Not Done - Rifle Checked & repaired for Function Only - Remington Arms Co										
SECTION II - WORK ACCOMPLISHED										
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X) ☐ 1 TOE ☐ 2 TD ☐ 3 Contractor		19. AMS ACCT. CODE		
B. LOCATION										
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE (2) REF DESIGN. (3) MFR. CODE			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
					.				\$	
					.				\$	
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					.				\$	
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					.				\$	
					.				\$	
					.				\$	
					.				\$	
					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 JWM		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		
					28. DISPOSITION (Select One) ☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged					