

C6349077

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00102792** Serial: C6349077 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:47:14 AM

Venue: Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** PO Box: **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **601 558 4593** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Front and Rear Sgt Base	1

Repair Search Refresh Close

negleij 10/26/2005 9:44 AM CAPS NUM INS SCPL

start 2 2 3 Arms 3

Serial Number: **C6349077**Model: **M24 SWS****RE00102792**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349077.____0
FILE DATE AND TIME: 11/22/2005 22:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.084
The Average Y Centroid of the Five Target Set:	0.143
The Average Point of Impact of the Five Target Set:	0.166
The Average Mean Radius of the Five Target Set:	0.729
The Distance from POA to Centroid Target #1:	0.498
The Distance from Centroid Target #2 to Centroid Target #1:	0.549
The Distance from Centroid Target #3 to Centroid Target #1:	0.413
The Distance from Centroid Target #4 to Centroid Target #1:	0.346
The Distance from Centroid Target #5 to Centroid Target #1:	0.661

BARBER - M24 0107319

SERIAL NUMBER: C6349077. __ 0

TARGET NUMBER: 1

FILE DATE: 11/22/2005

FILE TIME: 22:27

POINT#	X	Y
1:	-0.614	0.228
2:	-0.758	0.598
3:	-1.098	0.699
4:	0.547	-0.188
5:	0.731	-0.188
6:	0.917	-0.403
7:	1.492	0.326
8:	1.287	0.914
9:	0.191	1.107
10:	1.926	-1.246

X CENTROID: 0.462

Y CENTROID: 0.185

POA TO CENTROID: 0.498

HORZ SPREAD: 3.024

VERT SPREAD: 2.353

GROUP SPREAD: 3.595

MIN RADIUS: 0.382

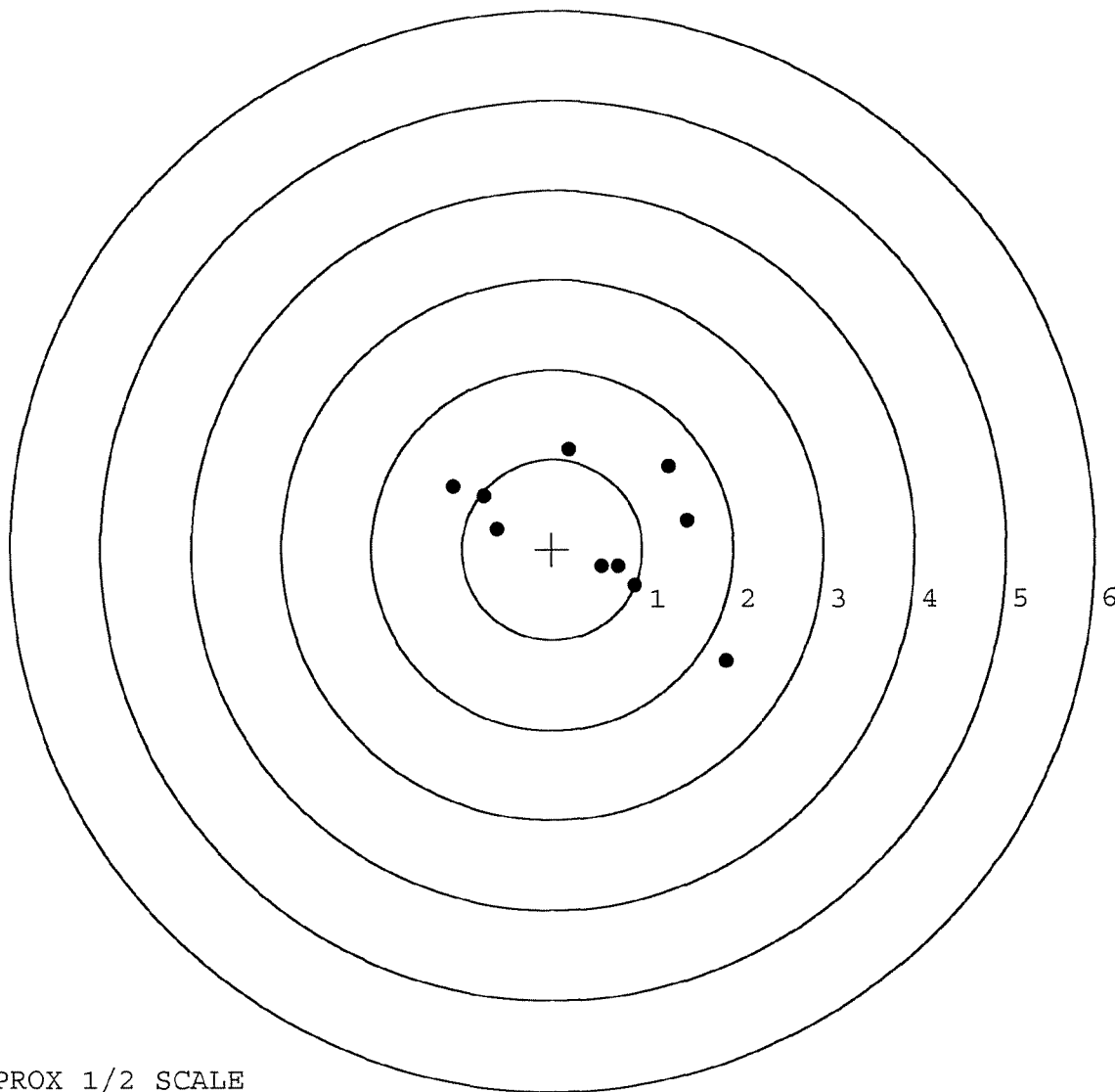
MAX RADIUS: 2.047

MEAN RADIUS: 1.074

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0107320

SERIAL NUMBER: C6349077. __0

TARGET NUMBER: 2

FILE DATE: 11/22/2005

FILE TIME: 22:27

POINT#	X	Y
1:	-0.293	-0.263
2:	-0.434	-0.370
3:	-0.314	-0.497
4:	-0.223	-0.709
5:	-0.831	0.160
6:	-0.421	0.363
7:	-0.238	0.693
8:	0.415	1.169
9:	0.635	-0.111
10:	1.215	-0.585

X CENTROID: -0.049

Y CENTROID: -0.015

POA TO CENTROID: 0.051

HORZ SPREAD: 2.046

VERT SPREAD: 1.878

GROUP SPREAD: 2.177

MIN RADIUS: 0.348

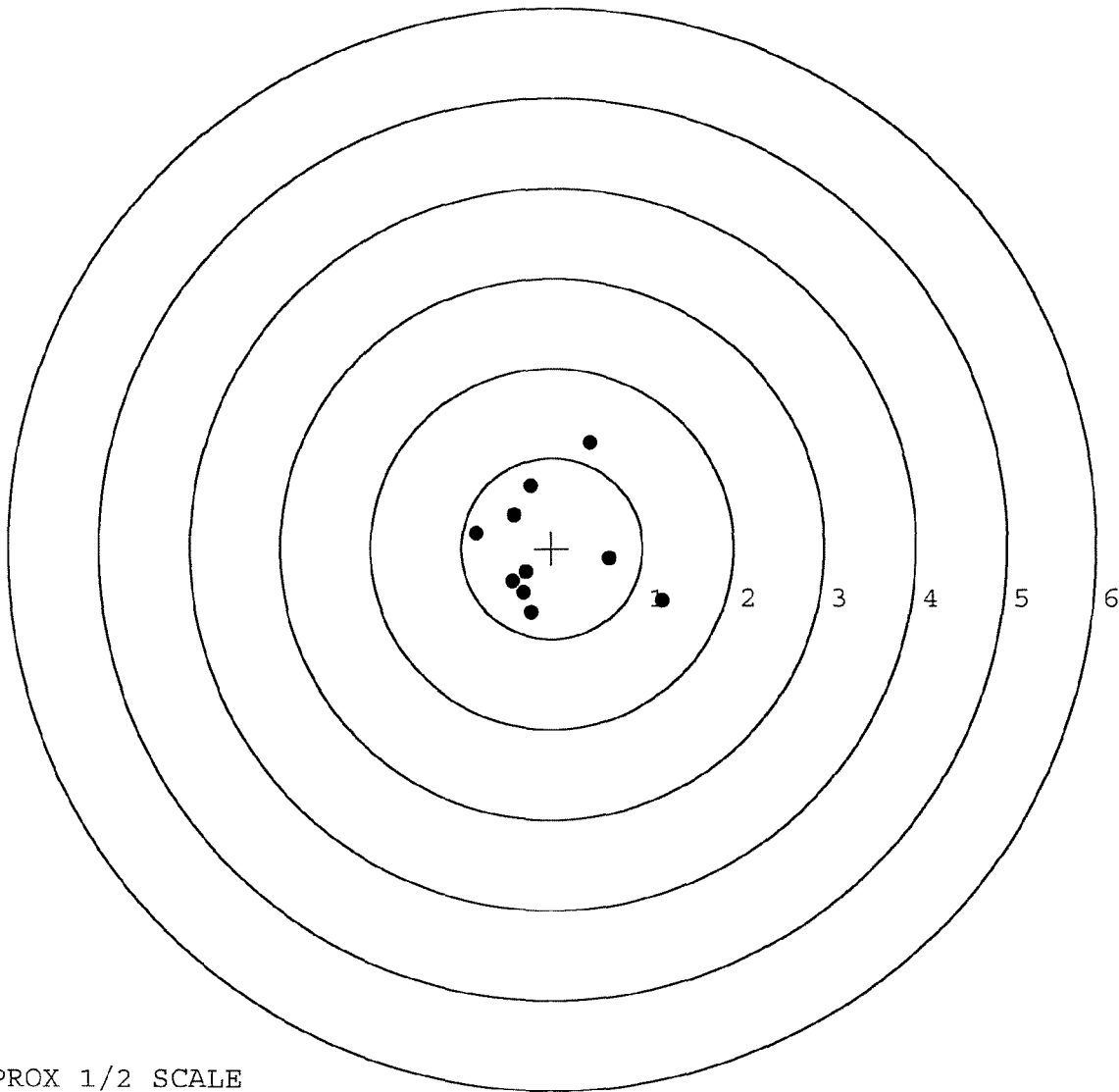
MAX RADIUS: 1.386

MEAN RADIUS: 0.755

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349077. __0

TARGET NUMBER: 3

FILE DATE: 11/22/2005

FILE TIME: 22:27

POINT#	X	Y
1:	0.037	-0.338
2:	-0.135	-0.323
3:	-0.414	-0.317
4:	-0.045	0.244
5:	-0.016	0.491
6:	0.003	0.612
7:	-0.196	0.799
8:	0.427	0.400
9:	0.417	0.600
10:	0.661	1.082

X CENTROID: 0.074

Y CENTROID: 0.325

POA TO CENTROID: 0.333

HORZ SPREAD: 1.075

VERT SPREAD: 1.420

GROUP SPREAD: 1.764

MIN RADIUS: 0.144

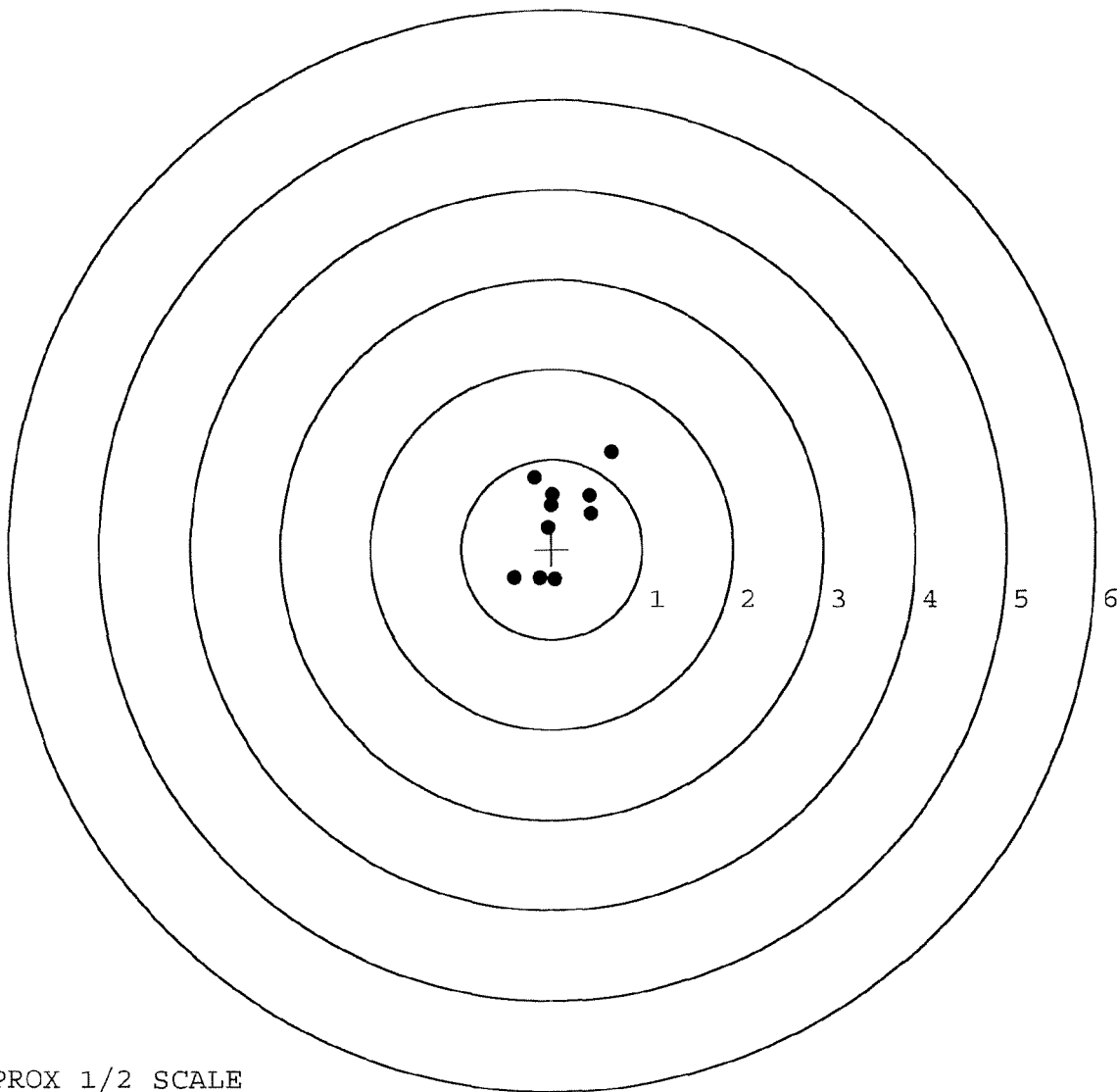
MAX RADIUS: 0.958

MEAN RADIUS: 0.508

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349077. 0

TARGET NUMBER: 4

FILE DATE: 11/22/2005

FILE TIME: 22:27

POINT#	X	Y
1:	0.495	0.316
2:	0.420	0.109
3:	0.610	0.009
4:	0.282	-0.380
5:	-0.381	-0.563
6:	-0.506	-0.019
7:	-0.460	0.088
8:	-0.503	0.452
9:	0.200	1.087
10:	1.004	0.650

X CENTROID: 0.116

Y CENTROID: 0.175

POA TO CENTROID: 0.210

HORZ SPREAD: 1.510

VERT SPREAD: 1.650

GROUP SPREAD: 1.841

MIN RADIUS: 0.311

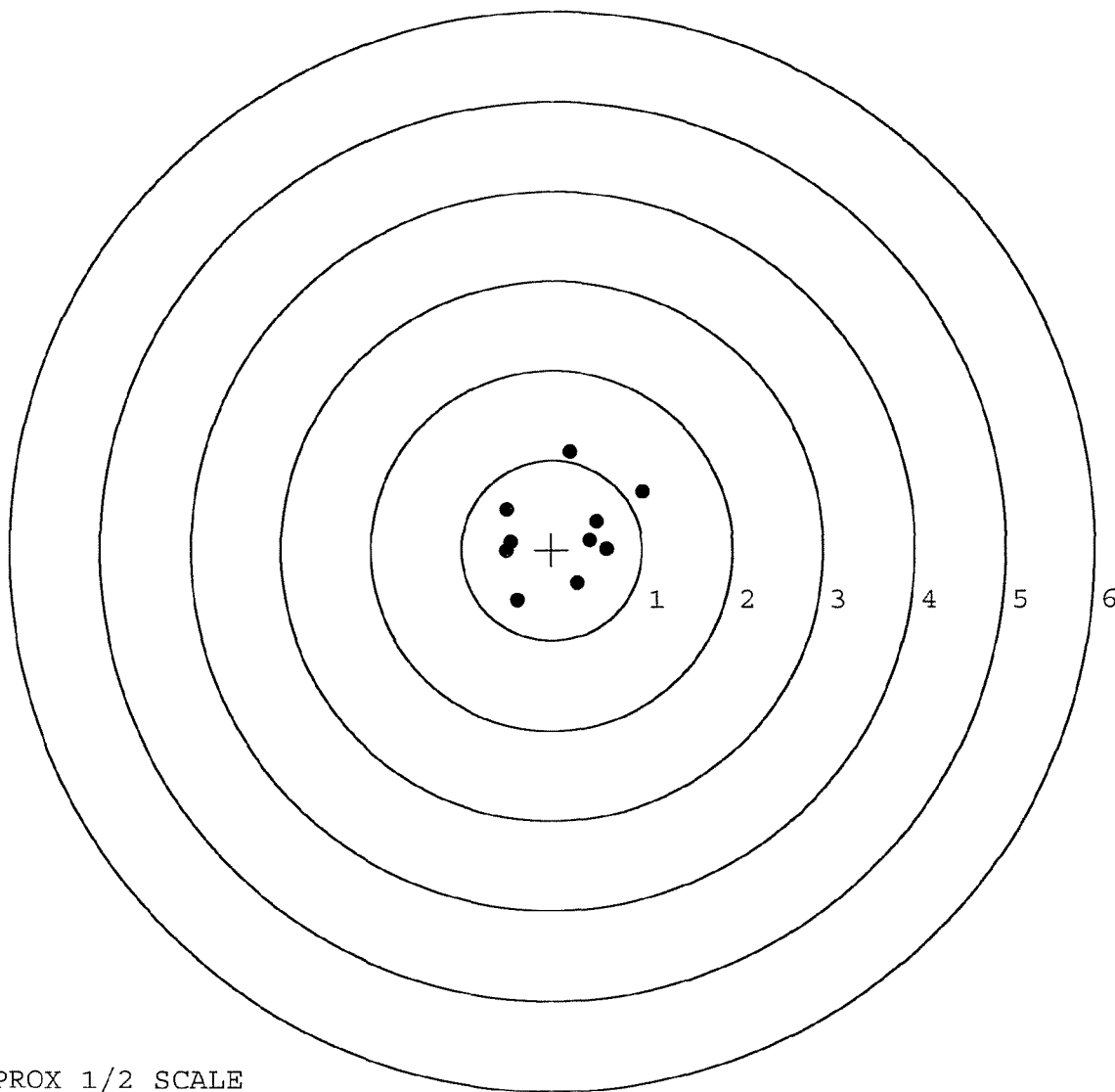
MAX RADIUS: 1.007

MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0107323

SERIAL NUMBER: C6349077. __0

TARGET NUMBER: 5

FILE DATE: 11/22/2005

FILE TIME: 22:27

POINT#	X	Y
1:	0.180	-0.353
2:	0.370	0.170
3:	0.836	-0.177
4:	-0.187	-0.514
5:	-0.551	-0.566
6:	-0.235	0.404
7:	-0.451	0.452
8:	-0.465	0.961
9:	-1.322	0.061
10:	-0.020	0.023

X CENTROID: -0.185

Y CENTROID: 0.046

POA TO CENTROID: 0.190

HORZ SPREAD: 2.158

VERT SPREAD: 1.527

GROUP SPREAD: 2.171

MIN RADIUS: 0.166

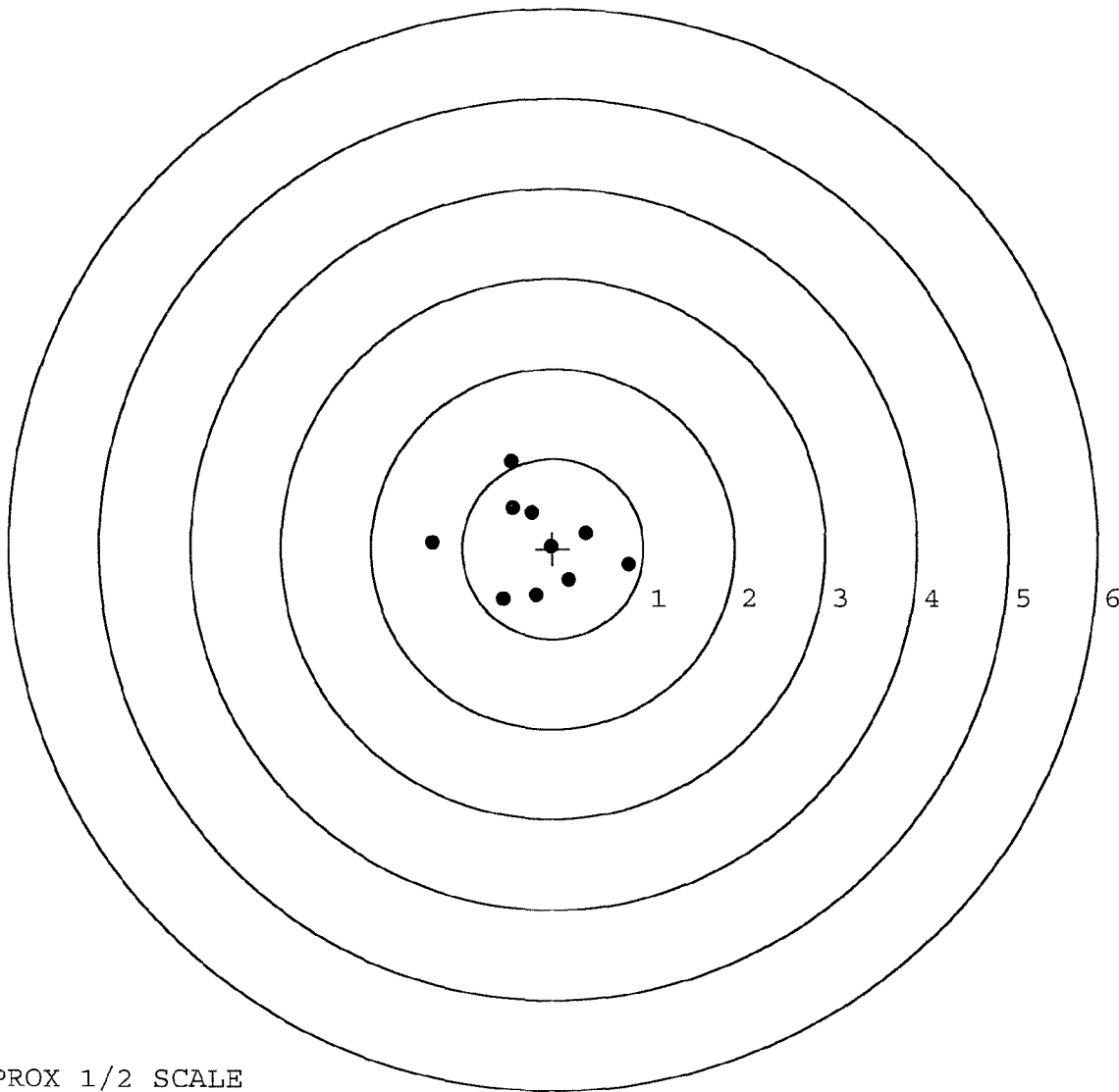
MAX RADIUS: 1.138

MEAN RADIUS: 0.653

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	102792		Camp Shelby	
SERIAL NUMBER	C 63490111			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	A
505	RE-BARREL		11-7-05	Ac
560	ASSEMBLE		11-14-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 15 2005	11-14-05	CD
605	CHECK HEADSPACE		11-14-05	CD
610	DIS-ASSEMBLE GUN		11-14-05	CD
612	MAGNAFLUX	OPERATOR <u>Wmms</u>	11/15/05	Wmms
510	DRILL AND TAP		11-11-05	BR
615	ROLLMARK CALIBER		11-15-05	CW
618	ROTO-BLAST		11-16-05	LB
620	APPLY COATINGS		11/16/05	HP
625	FINAL ASSEMBLY		11-17-05	SK
640	FUNCTION TEST AND	PASS FAIL	11-22-05	mjm
650	TARGET	PASS FAIL	11-22-05	mjm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-23-05	A
	A) HEADSPACE	PASS FAIL	11-23-05	A
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	A
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	A
	I) FIRING PIN INDENT	.020	.024 .024 .024	A
690	PACK		12-2-05	RA

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6349077

ORDER NO.
5716

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

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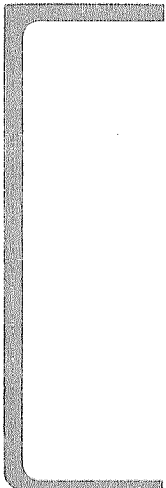


5716 C6349077

UPC



0 47700 25716 7



GUN SERIAL # C6349077

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action	1-5-90		KCR
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/3/90	JS
.17	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/90	JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	1-26-90	JL
	G) Safety Off Force	3	3	3	1-26-90	JL
	H) Trigger Pull Test & Retainability				26/1/90	JL
	I) Firing Pin Indent	.024	.023	.022	1-26-90	JL
	J) Assemble Stock				1/29/90	RW
	K) Assemble Swivel Studs				3/15/90	WB
	L) Attach Front and Rear Sight Assemblies				1/29/90	RW
	M) Iron Sight Alignment				1/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container				1/29/90	RW
	O) Attach Scope to Rifle				4/27/90	WB
	P) Detach & Attach Scope 20 Times				2/27/90	WB
640	Gallery Target & Test				2-29-90	JES TEMPORARY
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection				15 MAR 90	JL
	A) Headspace				15 MAR 90	JL
	B) Trigger Pull	228	248	256	15 MAR 90	JL
	C) Function				15 MAR 90	JL
660	Pack				19 MAR 90	JL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349077DATE 26 Jan 90TESTER RS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.10	2.29	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.25	2.19	2.48	
PULL #3	2.33	2.19	2.36	2.56	
PULL #4	2.26	2.11	2.39	2.46	
PULL #5	2.21	2.18	2.30	2.47	
TOTAL	11.28	10.83	11.53	12.25	
AVG.	2.256	2.166	2.306	2.45	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.92	2.91		
PULL #2	2.94	2.75		
PULL #3	2.96	2.78		
PULL #4	2.86	2.74		
PULL #5	2.88	2.75		
TOTAL	14.56	14.03		
AVG.	2.912	2.806		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.65		4.21
PULL #2	4.53	4.49		4.33
PULL #3	4.46	4.13		4.36
PULL #4	4.44	4.47		4.31
PULL #5	4.48	4.50		4.25
TOTAL	22.36	22.24		21.52
AVG.	4.472	4.448		4.304

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349077
28 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.0905539
1 TO	2	.683898
1 TO	3	.526165
1 TO	4	.255212
1 TO	5	.530617

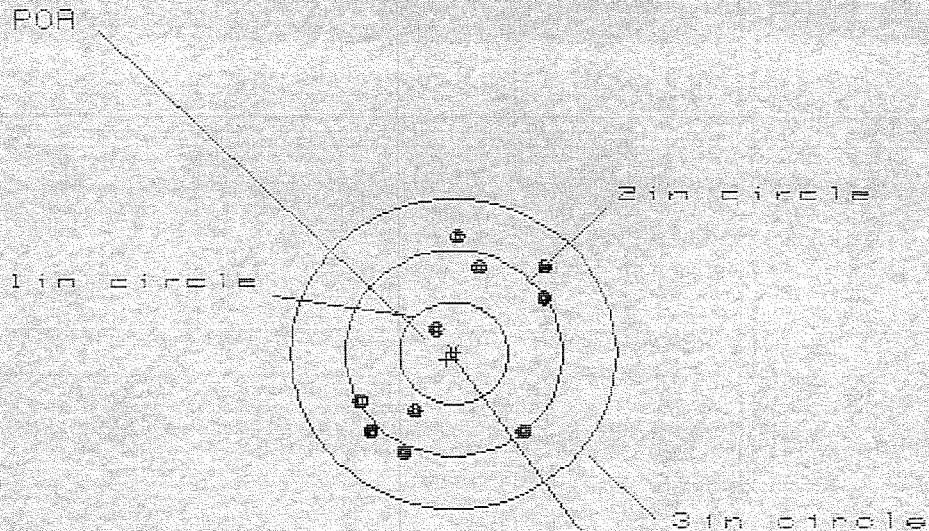
$\frac{4}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2346
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1934
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .984841
THE AMR FOR THIS RIFLE IS: .9476

28 Feb 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06249077

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.724

VS= 2.092

GS= 2.297

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.855	.947	.897
MINIMUM X	-.869	-.777	-.827
MAXIMUM Y	1.093	1.188	1.075
MINIMUM Y	-.999	-.904	-.823
CENTROID X	.066	-.026	.024
CENTROID Y	.062	-.033	.080
POA TO CENTROID in.	.091	.042	.084
MIN RADIUS	.311	.361	.273
MEAN RADIUS	.933	.892	.873
MAX RADIUS	1.192	1.199	1.090
HORIZONTAL SPREAD	1.724	1.724	1.724
VERTICAL SPREAD	2.092	2.092	1.898
EXTREME SPREAD	2.297	2.167	2.128
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349077

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.259

VS= 2.395

GS= 3.275

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.480

1.282

1.072

MINIMUM X

-1.779

-1.297

-1.137

MAXIMUM Y

.914

.940

1.013

MINIMUM Y

-1.481

-1.455

-1.382

CENTROID X

.467

.665

.505

CENTROID Y

-.492

-.518

-.591

POA TO CENTROID in.

.679

.843

.777

MIN RADIUS

.082

.138

.053

MEAN RADIUS

1.052

.960

.897

MAX RADIUS

1.795

1.481

1.448

HORIZONTAL SPREAD

3.259

2.579

2.209

VERTICAL SPREAD

2.395

2.395

2.395

EXTREME SPREAD

3.275

2.793

2.629

NUMBER IN ONE

INCH CIRCLE

=

2

NUMBER IN TWO

INCH CIRCLE

=

5

NUMBER IN THREE

INCH CIRCLE

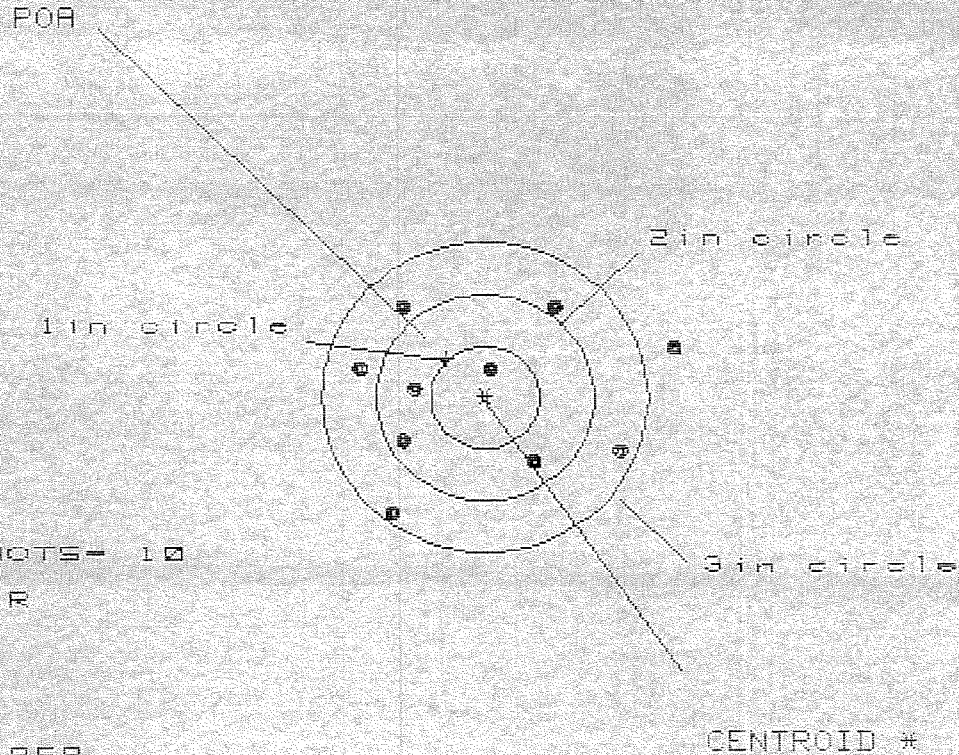
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28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349077

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.869

VS= 2.045

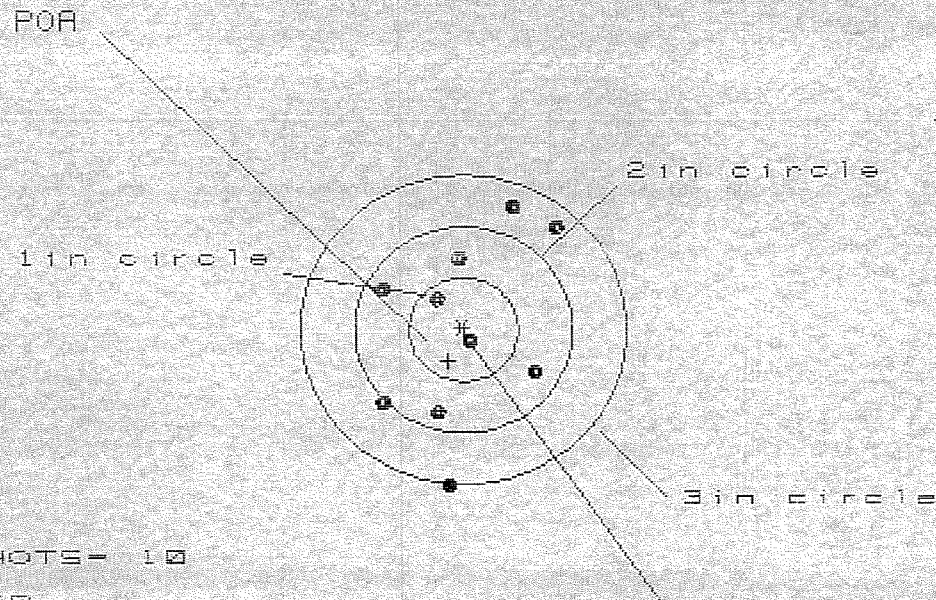
CS= 3.098

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.764	1.439	1.355
MINIMUM X	-1.105	-.909	-.993
MAXIMUM Y	.887	.940	.802
MINIMUM Y	-1.158	-1.105	-.728
CENTROID X	.353	.157	.241
CENTROID Y	-.379	-.432	-.294
POA TO CENTROID in.	.518	.460	.380
MIN RADIUS	.267	.384	.223
MEAN RADIUS	1.053	.939	.884
MAX RADIUS	1.828	1.518	1.491
HORIZONTAL SPREAD	2.869	2.348	2.348
VERTICAL SPREAD	2.045	2.045	1.530
EXTREME SPREAD	3.098	2.532	2.474
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06345077

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 1.650

VS= 2.765

GS= 2.817

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.877	.931
MINIMUM X	:	-.761	-.773	-.719
MAXIMUM Y	:	1.232	1.062	.914
MINIMUM Y	:	-1.533	-.978	-.845
CENTROID X	:	.144	.156	.102
CENTROID Y	:	.305	.475	.342
POA TO CENTROID in.	:	.337	.500	.357
MIN RADIUS	:	.128	.266	.185
MEAN RADIUS	:	.882	.801	.745
MAX RADIUS	:	1.536	1.175	1.304
HORIZONTAL SPREAD	:	1.650	1.650	1.650
VERTICAL SPREAD	:	2.765	2.040	1.759
EXTREME SPREAD	:	2.817	2.305	2.305
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349077

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.860

VS= 2.303

GS= 2.701

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.003	.936	1.028
MINIMUM X	-.857	-.924	-.832
MAXIMUM Y	1.030	.889	.628
MINIMUM Y	-1.273	-1.102	-.991
CENTROID X	.143	.210	.118
CENTROID Y	-.463	-.322	-.433
POA TO CENTROID in.	.485	.385	.449
MIN RADIUS	.247	.148	.215
MEAN RADIUS	.818	.723	.676
MAX RADIUS	1.409	1.438	1.294
HORIZONTAL SPREAD	1.860	1.860	1.860
VERTICAL SPREAD	2.303	1.991	1.619
EXTREME SPREAD	2.701	2.594	2.028
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	