

C6349057

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER - M24 0106859

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

Repair Inquiry

Repair Number: **RE00092896** Serial: **C6349057** Model: **M24 SWS** Center Fire
 Caliber: **7.62 NATO** Produced: **06/19/1990** Repairman:
 Status: **Closed 2/10/2005 11:38:51 AM**

Address Information

Customer ☐ Received From ☒ Return To ☐ Received From ☐

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1:
 Address 2: PO Box
 City: **ANNISTON** **ANNISTON**
 State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** Country: **US**

FFL ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone:
 Fax:
 Email:
 Comments:
 Received Condition: Good
 Condition Notes:
 CSR Notes:
 Accessories Received:

Code	Desc	Qty
A002	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search **Refresh** **Close**

haclet 2/14/2005 9:22 AM CAPS NUM HNS SCPL

start 5 2 4 ARMS SERVICE

Serial Number: **C6349057**
 Model: **M24 SWS**

RE00092896

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

DATE 6-28-05

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.49	2.72		2.88	
PULL #2	2.72	2.64		2.86	
PULL #3	2.89	2.73		2.86	
PULL #4	2.87	2.72		2.90	
PULL #5	2.76	2.92		2.84	
TOTAL	13.73	13.73		14.34	
AVERAGE	2.74	2.74		2.86	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.32		
PULL #2	3.52	3.35		
PULL #3	3.46	3.47		
PULL #4	3.42	3.49		
PULL #5	3.43	3.45		
TOTAL	17.31	17.08		
AVERAGE	3.46	3.41		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.54	4.21		4.23
PULL #2	4.70	4.31		4.32
PULL #3	4.58	4.30		4.29
PULL #4	4.50	4.28		4.33
PULL #5	4.71	4.32		4.27
TOTAL	23.03	21.42		21.44
AVERAGE	4.60	4.28		4.28

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6349057.___0
FILE DATE AND TIME: 06/29/2005 08:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

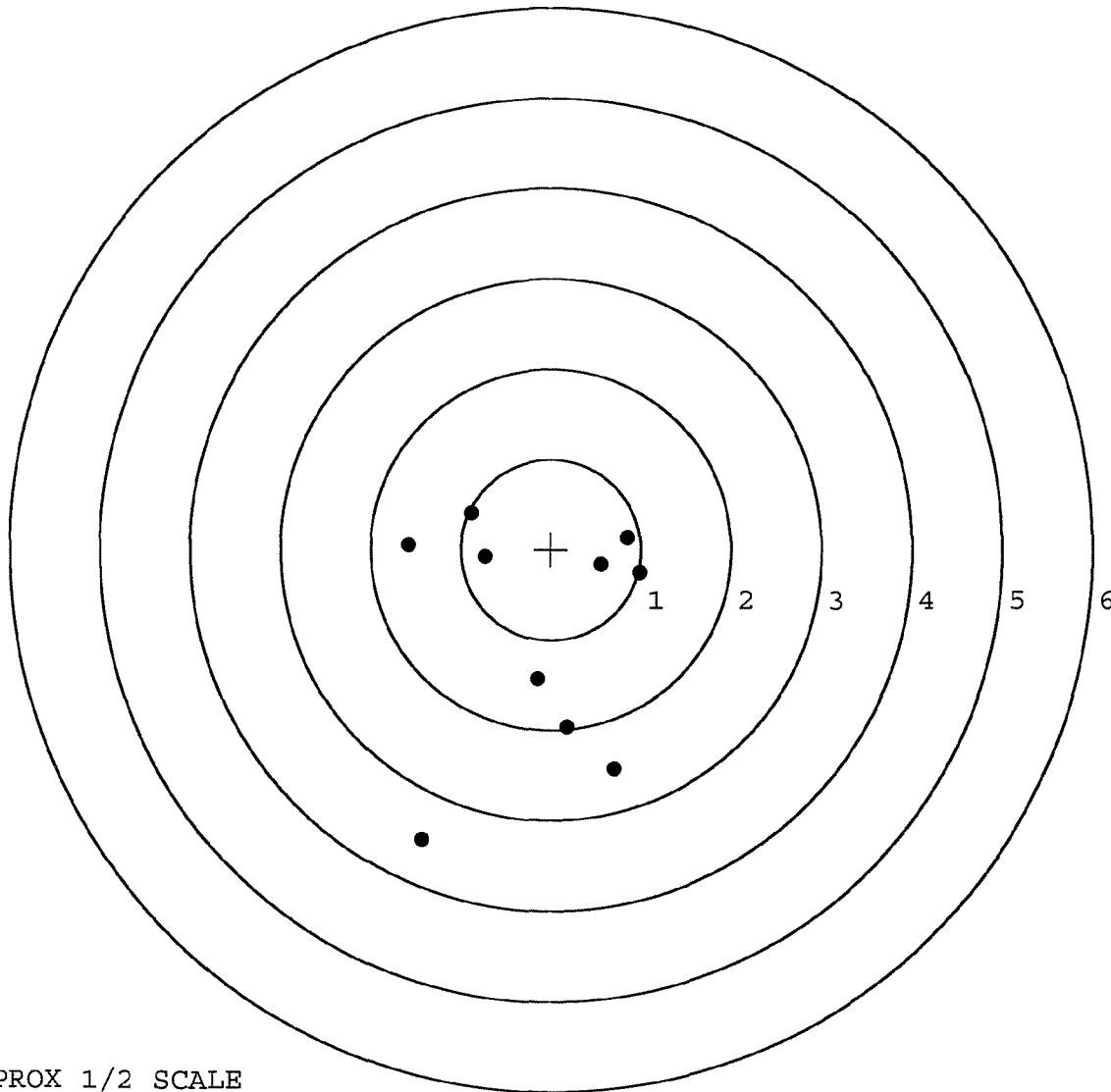
The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	-0.157
The Average Point of Impact of the Five Target Set:	0.172
The Average Mean Radius of the Five Target Set:	0.991
The Distance from POA to Centroid Target #1:	0.913
The Distance from Centroid Target #2 to Centroid Target #1:	0.888
The Distance from Centroid Target #3 to Centroid Target #1:	0.825
The Distance from Centroid Target #4 to Centroid Target #1:	1.054
The Distance from Centroid Target #5 to Centroid Target #1:	1.020

BARBER - M24 0106862

SERIAL NUMBER: G6349057.____0
 TARGET NUMBER: 1
 FILE DATE: 06/29/2005
 FILE TIME: 08:51

POINT#	X	Y
1:	0.993	-0.259
2:	0.555	-0.168
3:	0.853	0.133
4:	-0.739	-0.083
5:	-0.880	0.403
6:	-1.581	0.048
7:	0.710	-2.436
8:	0.183	-1.979
9:	-0.145	-1.441
10:	-1.422	-3.225

X CENTROID: -0.147
 Y CENTROID: -0.901
 POA TO CENTROID: 0.913
 HORZ SPREAD: 2.574
 VERT SPREAD: 3.628
 GROUP SPREAD: 4.056
 MIN RADIUS: 0.540
 MAX RADIUS: 2.651
 MEAN RADIUS: 1.406
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 1
 # in 3 IN DIAMETER: 7

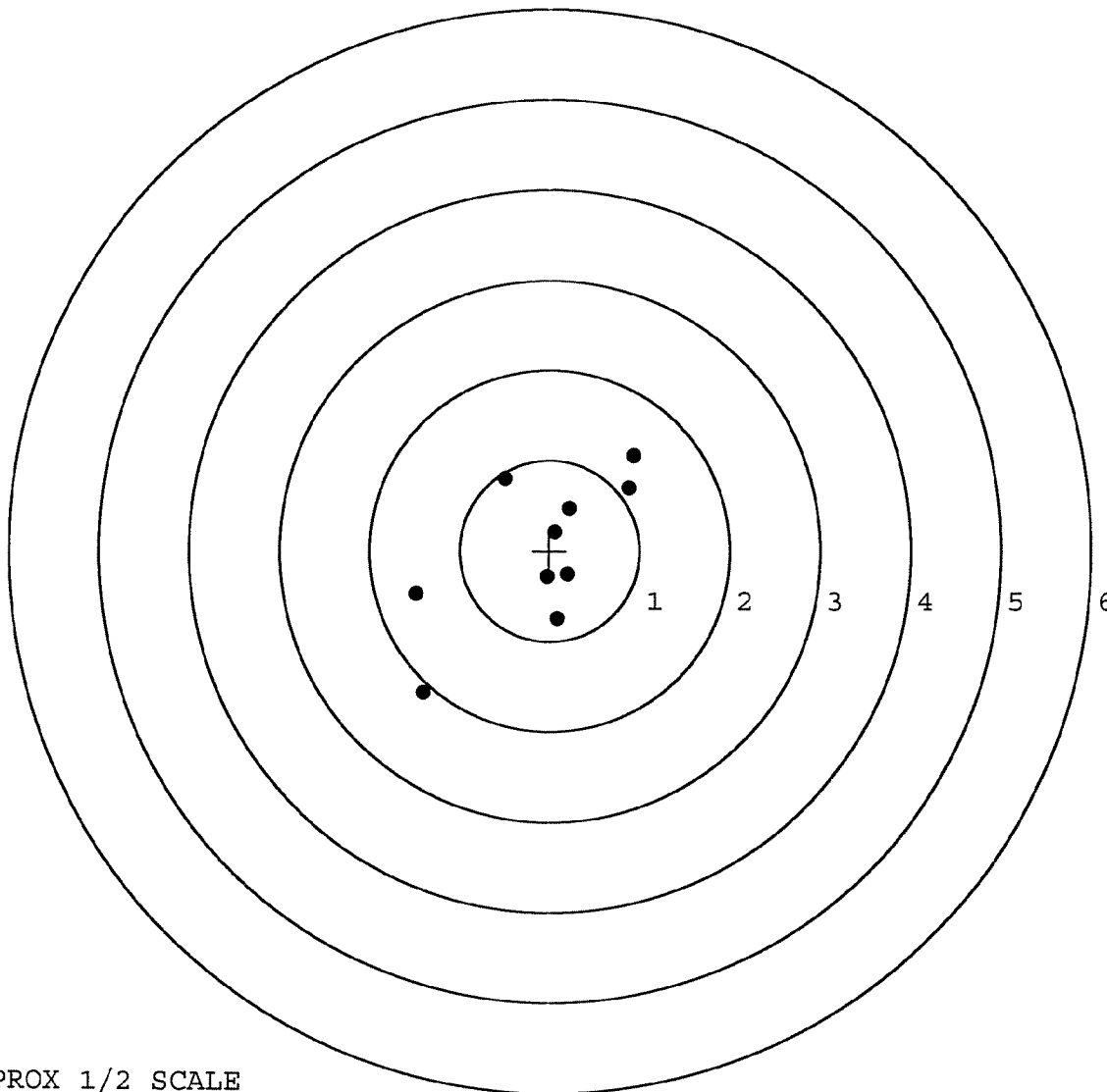


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6349057. __0
 TARGET NUMBER: 2
 FILE DATE: 06/29/2005
 FILE TIME: 08:51

POINT#	X	Y
1:	0.093	-0.759
2:	-1.486	-0.485
3:	-1.404	-1.574
4:	0.936	1.047
5:	0.885	0.700
6:	-0.499	0.797
7:	0.224	0.470
8:	0.064	0.211
9:	0.206	-0.260
10:	-0.027	-0.287

X CENTROID: -0.101
 Y CENTROID: -0.014
 POA TO CENTROID: 0.102
 HORZ SPREAD: 2.422
 VERT SPREAD: 2.621
 GROUP SPREAD: 3.514
 MIN RADIUS: 0.279
 MAX RADIUS: 2.033
 MEAN RADIUS: 0.941
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



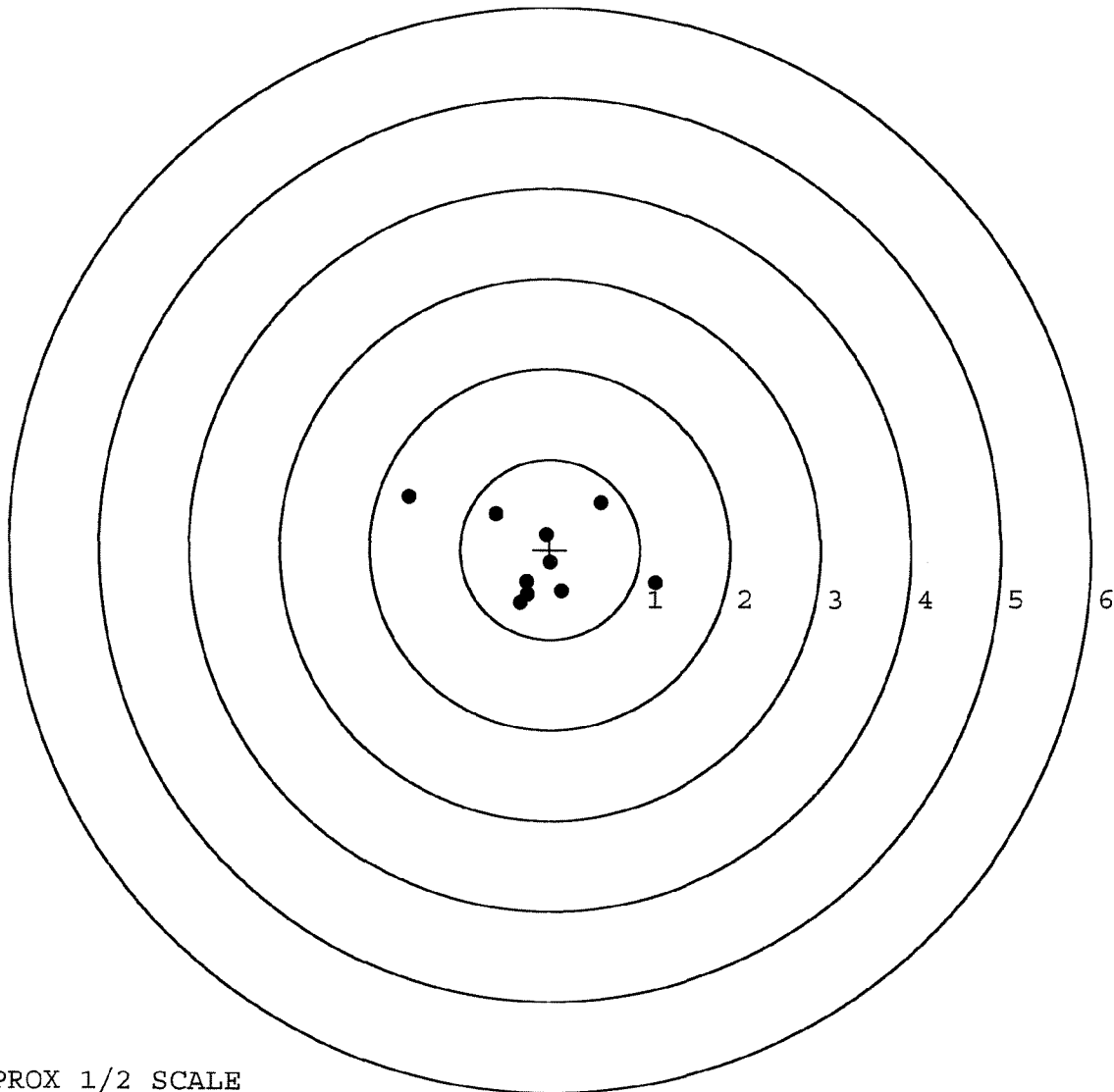
TARGET APPROX 1/2 SCALE

BARBER - M24 0106864

SERIAL NUMBER: G6349057. __0
TARGET NUMBER: 3
FILE DATE: 06/29/2005
FILE TIME: 08:51

POINT#	X	Y
1:	1.167	-0.368
2:	0.132	-0.463
3:	-0.259	-0.362
4:	-0.327	-0.595
5:	0.006	-0.143
6:	-0.044	0.168
7:	0.572	0.523
8:	-0.599	0.396
9:	-1.566	0.588
10:	-0.252	-0.503

X CENTROID: -0.117
Y CENTROID: -0.076
POA TO CENTROID: 0.139
HORZ SPREAD: 2.733
VERT SPREAD: 1.183
GROUP SPREAD: 2.895
MIN RADIUS: 0.140
MAX RADIUS: 1.594
MEAN RADIUS: 0.668
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



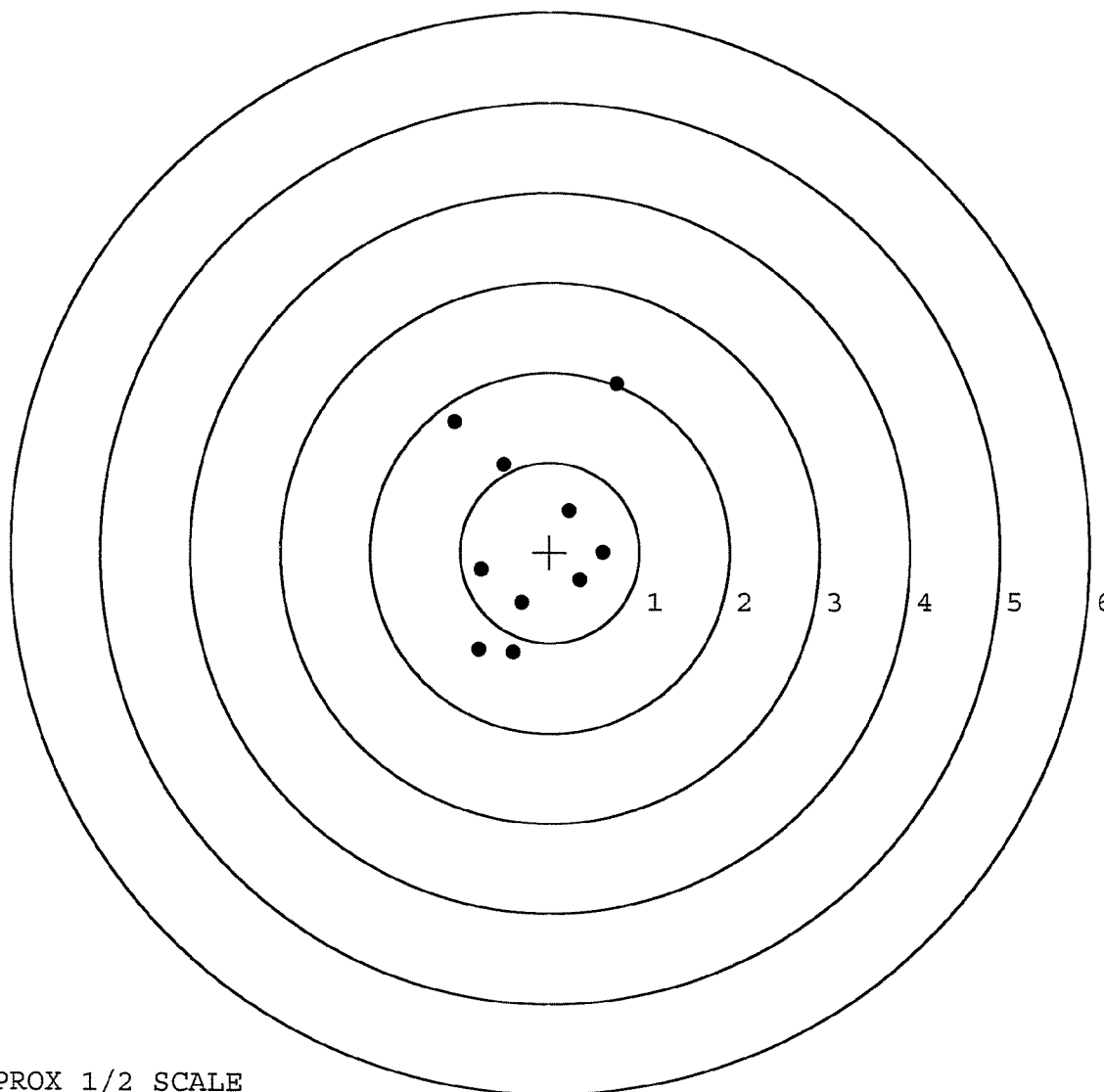
TARGET APPROX 1/2 SCALE

BARBER - M24 0106865

SERIAL NUMBER: G6349057.____0
 TARGET NUMBER: 4
 FILE DATE: 06/29/2005
 FILE TIME: 08:51

POINT#	X	Y
1:	-0.413	-1.109
2:	-0.796	-1.075
3:	-0.314	-0.560
4:	-0.772	-0.197
5:	0.336	-0.307
6:	0.592	0.000
7:	0.214	0.463
8:	-0.515	0.979
9:	-1.061	1.453
10:	0.745	1.874

X CENTROID: -0.198
 Y CENTROID: 0.152
 POA TO CENTROID: 0.250
 HORZ SPREAD: 1.806
 VERT SPREAD: 2.983
 GROUP SPREAD: 3.327
 MIN RADIUS: 0.516
 MAX RADIUS: 1.963
 MEAN RADIUS: 1.047
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

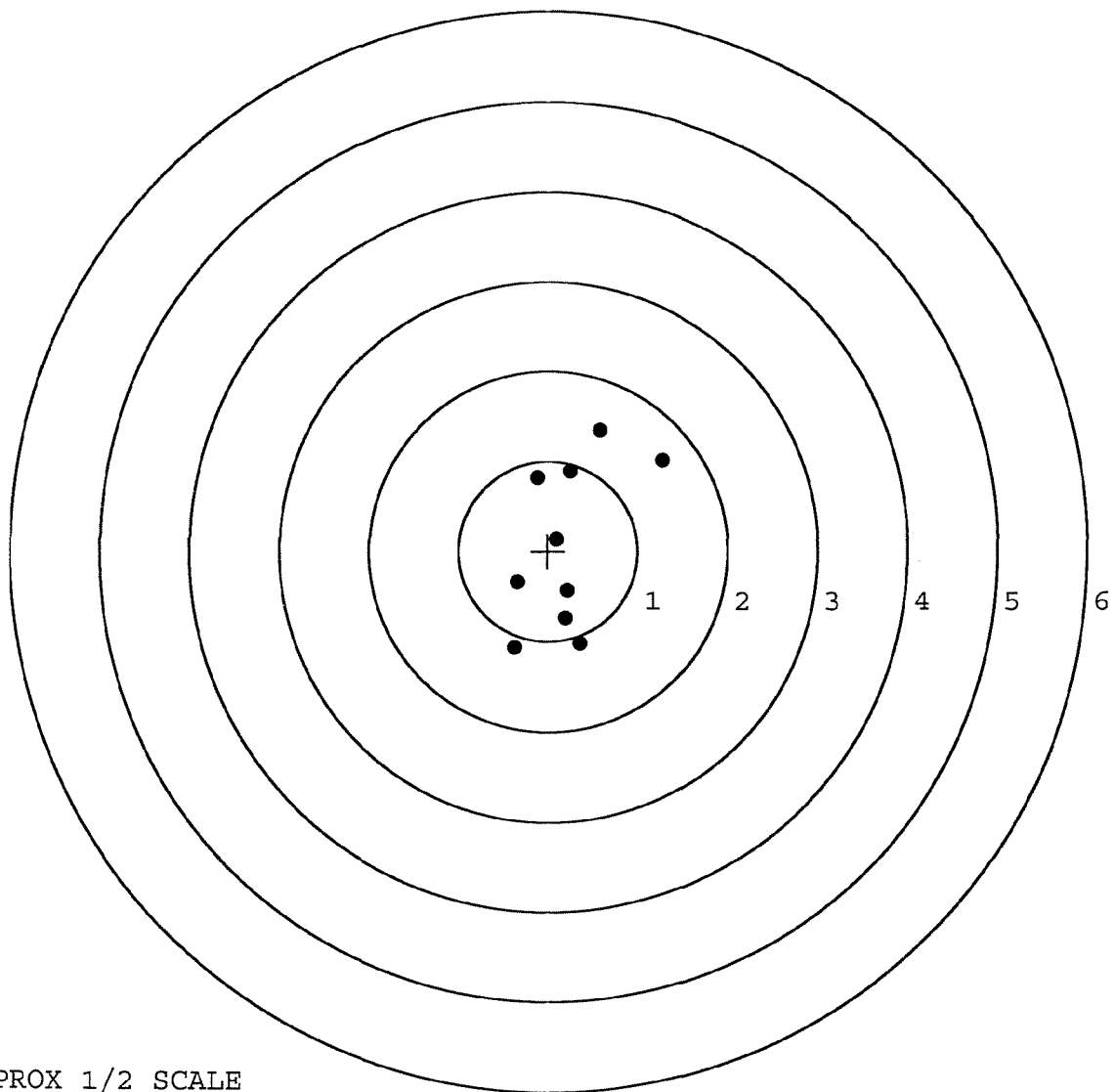


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6349057. 0
 TARGET NUMBER: 5
 FILE DATE: 06/29/2005
 FILE TIME: 08:51

POINT#	X	Y
1:	0.357	-1.031
2:	0.198	-0.748
3:	0.218	-0.443
4:	-0.340	-0.347
5:	-0.380	-1.078
6:	0.096	0.130
7:	-0.126	0.818
8:	0.249	0.892
9:	0.574	1.340
10:	1.271	1.011

X CENTROID: 0.212
 Y CENTROID: 0.054
 POA TO CENTROID: 0.219
 HORZ SPREAD: 1.651
 VERT SPREAD: 2.418
 GROUP SPREAD: 2.663
 MIN RADIUS: 0.138
 MAX RADIUS: 1.427
 MEAN RADIUS: 0.893
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
 CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92896		
SERIAL NUMBER	C0349057		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-27-05	RTZ
560 A	RE-BARREL	6-6-05	RTZ
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTZ
600	PROOF MAGNA-FLUX INSPECTED	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTZ
612	MAGNAFLUX INSPECTOR <i>check</i>	6/8/05	uncl
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	CW
625 A	FINAL ASSEMBLY	6-29-05	RTZ
B	TRIGGER PULL TEST	7-5-05	AC
C	SAFETY "ON" FORCE	7-5-05	AC
D	SAFETY "OFF" FORCE	7-5-05	AC
E	FIRING PIN INDENT	7-5-05	AC
640	TARGET	6-29-05	TRW
655	FINAL INSPECT	7-5-05	AC
660	PACK	7-11-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington
REG. U.S. PAT. & TM. OFF.

Remington
REG. U.S. PAT. & TM. OFF.

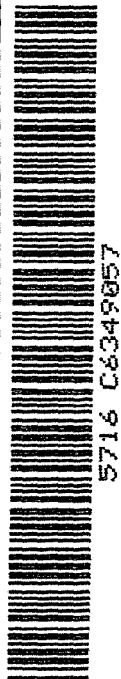
MODEL 700™ M24

SERIAL NO. C6349057

ORDER NO. 5716

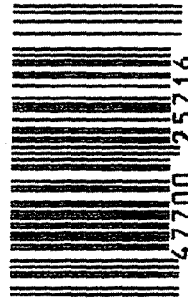
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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



5716 C6349057

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349057

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	K
607	Check Headspace	1 30	90	A
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KER
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber		2/5/90	CS
617	Drill and Tap Sight Holes		2/5/90	FB
618	Polish Barrel RB		2/5/90	WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/90	JLL

BARBER - M24 0106870		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	3	3	3			4/19/90	gcl
	G) Safety Off Force	3	3	3			4/19/90	gcl
	H) Trigger Pull Test & Retainability						4/18/90	gcl
	I) Firing Pin Indent	.022	.0225	.022			4/19/90	gcl
	J) Assemble Stock						4/20/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/20/90	RW
	M) Iron Sight Alignment						4/20/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/20/90	RW
	O) Attach Scope to Rifle						4/20/90	WB
	P) Detach & Attach Scope 20 Times						4/20/90	WB
640	Gallery Target & Test						4-23-90	PH
	A) Time						4-23-90	PH
	B) Malfunctions						4-23-90	PH
	C) Pierced Primers						4-23-90	PH
	D) Optical Clarity of Scope						4-23-90	PH
645	Inspect for Live Ammo						4-23-90	PH
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.76	2.76	2.75	2.75	2.64	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6/19/90	PH

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

SERIAL NO. 06349057DATE 4/18/90TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.45	2.22	2.76	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.27	2.25	2.76	
PULL #3	2.34	2.31	2.24	2.75	
PULL #4	2.27	2.25	2.19	2.75	
PULL #5	2.37	2.45	2.27	2.64	
TOTAL	11.76	11.73	11.17		
AVG.	2.352	2.346	2.234		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.15		
PULL #2	3.30	3.27		
PULL #3	3.21	3.20		
PULL #4	3.17	3.20		
PULL #5	3.24	3.20		
TOTAL	16.09	16.02		
AVG.	3.218	3.204		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.20		4.16
PULL #2	4.34	4.00		4.39
PULL #3	4.27	4.26		4.26
PULL #4	4.31	4.34		4.19
PULL #5	4.31	4.19		4.17
TOTAL	21.41	20.99		21.17
AVG.	4.282	4.198		4.234

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349057
23 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.384419
1 TO	2	.0916079
1 TO	3	.641929
1 TO	4	.705681
1 TO	5	.42309

45 E (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0478
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.037
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .060447
THE AVERAGE POI RADIUS FOR THIS RIFLE IS: .9148

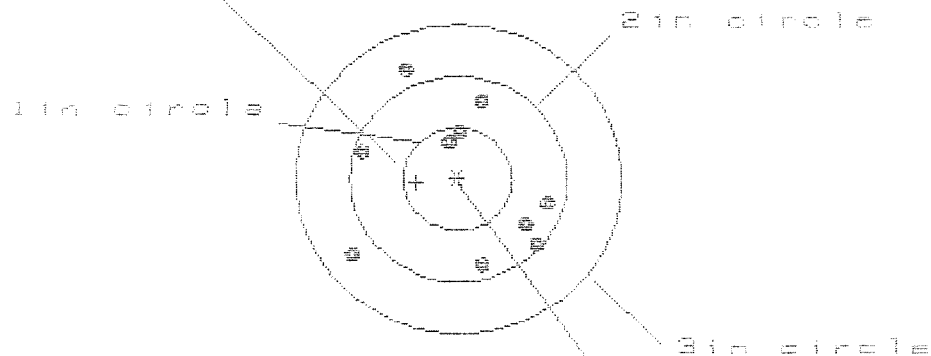
23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349057

CENTERFIRE PATTERNS

1

FOR



OF SHOTS- 12

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.813

VS= 1.659

GS= 2.112

CENTROID. *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.825	.715	.642
MINIMUM X	-.988	-1.033	-1.166
MAXIMUM Y	1.095	1.010	.839
MINIMUM Y	-.864	-.949	-.823
CENTROID X	.383	.493	.566
CENTROID Y	.833	.118	-.088
DIS TO CENTROID IN.	.385	.507	.566
1" RADIUS	.360	.346	.489
2" RADIUS	.855	.792	.742
3" RADIUS	1.253	1.166	1.141
4" RADIUS	1.813	1.748	1.748
5" RADIUS	1.959	1.959	1.662
6" RADIUS	2.112	2.112	1.846
1" CIRCLE	1	1	1
2" CIRCLE	8	8	8
3" CIRCLE	10	10	10

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349857

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.677

VS = 2.762

GS = 2.837

CENTROID *

PATTERN #

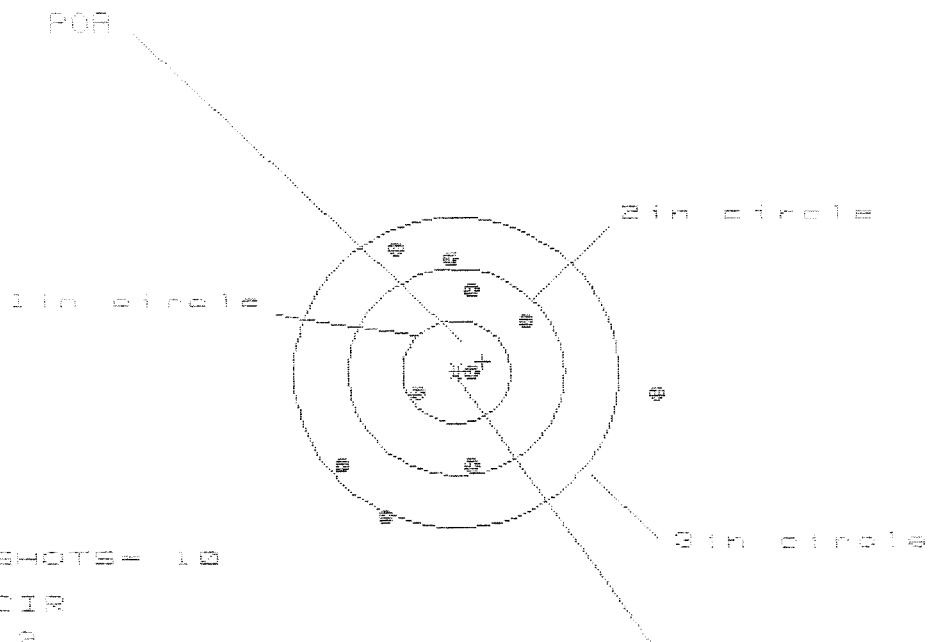
2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.198	1.248	1.669
MINIMUM X	:	-1.479	-1.429	-.910
MAXIMUM Y	:	1.256	1.089	1.069
MINIMUM Y	:	-1.586	-.837	-.857
CENTROID X	:	.437	.387	.566
CENTROID Y	:	-.041	.126	.147
POA TO CENTROID in.	:	.439	.407	.585
MIN RADIUS	:	.188	.247	.387
MEAN RADIUS	:	.927	.863	.783
MAX RADIUS	:	1.570	1.439	1.148
AL. CENTR. SPREAD	:	2.677	2.677	1.979
AL. V.C. SPREAD	:	2.762	1.926	1.926
AL. G. SPREAD	:	2.837	2.744	2.666
1 INCH CIRCLE	=		1	
2 INCH CIRCLE	=		6	
3 INCH CIRCLE	=		9	

23 Apr 1988

FILE: \PATTERNING\CENTERFIRE_PATT\06349057

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

MS= 2.892

VS= 2.570

OS= 2.951

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.810	.878	.824
MINIMUM X	-1.082	-.881	-.935
MAXIMUM Y	1.215	1.195	1.023
MINIMUM Y	-1.355	-1.375	-1.129
CENTROID X	-.245	-.446	-.392
CENTROID Y	-.100	-.080	.092
POR TO CENTROID in.	.264	.453	.403
MIN RADIUS	.096	.242	.315
MEAN RADIUS	1.020	.932	.855
MAX RADIUS	1.810	1.441	1.466
1" CENTR. SPREAD	2.892	1.759	1.759
2" CENTR. SPREAD	2.570	2.570	2.152
3" CENTR. SPREAD	2.991	2.570	2.244
1" INCH CIRCLE	=	2	
2" INCH CIRCLE	=	5	
3" INCH CIRCLE	=	9	

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349057

CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.878

VS = 2.077

CS = 2.384

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.911

.792

.799

MINIMUM X

:

-1.068

-.820

-.813

MAXIMUM Y

:

1.191

1.097

.731

MINIMUM Y

:

-.886

-.980

-.842

CENTROID X

:

-.298

-.179

-.186

CENTROID Y

:

-.152

-.058

-.195

POR TO CENTROID in.

:

.335

.189

.270

1in RADIUS

:

.485

.426

.384

2in RADIUS

:

.856

.793

.739

3in RADIUS

:

1.362

1.277

1.171

HORIZONTAL SPREAD

:

1.979

1.612

1.612

VERTICAL SPREAD

:

2.077

2.077

1.574

CIRCULAR SPREAD

:

2.384

2.253

2.083

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

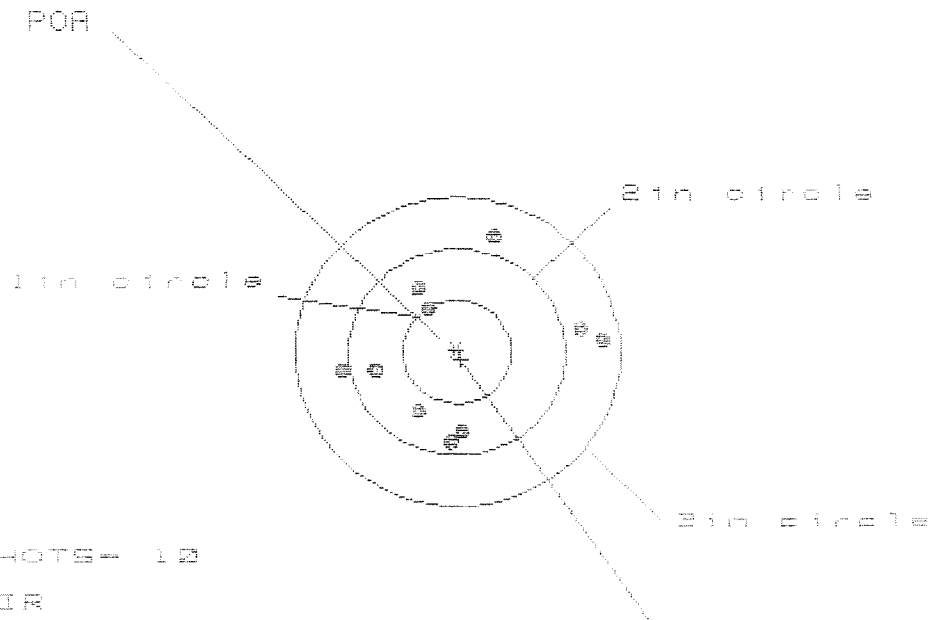
10

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6345057

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HSE = 2.419

VSE = 2.023

GSE = 2.436

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.342	1.304	.653
MINIMUM X	-1.077	-.928	-.765
MAXIMUM Y	1.119	1.135	1.162
MINIMUM Y	-.904	-.888	-.861
CENTROID X	-.038	-.187	-.350
CENTROID Y	.075	.059	.032
POR TO CENTROID in.	.084	.196	.351
MIN RADIUS	.491	.456	.456
MEAN RADIUS	.916	.840	.750
MAX RADIUS	1.350	1.321	1.333
HORIZONTAL SPREAD	2.419	2.232	1.418
VERTICAL SPREAD	2.023	2.023	2.023
EXTREME SPREAD	2.436	2.258	2.064
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	