

C6522150

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

*Still
Spread®*

SV 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: **RE00102788** Serial: C6522150 Model M24 SWS Center Fire
 Verify Repair: Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:45:40 AM

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
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Front and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search Refresh Close

magle 10/26/2005 9:51 AM CAPS NUM INS SCPL

start 2 2 3 SV Arms S

Serial Number: **C6522150**

Model: **M24 SWS**



RE00102788

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS.

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 11-04-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.41	2.49		2.79	
PULL #2	2.79	2.57		2.51	
PULL #3	2.58	2.69		2.44	
PULL #4	2.75	2.53		2.54	
PULL #5	2.60	2.71		2.77	
TOTAL	13.13	12.99		13.05	
AVERAGE	2.63	2.60		2.61	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.21		
PULL #2	3.09	3.19		
PULL #3	3.24	3.13		
PULL #4	3.29	3.17		
PULL #5	3.37	3.25		
TOTAL	16.35	15.95		
AVERAGE	3.27	3.19		

	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	3.93	4.10		3.87
PULL #2	4.28	4.12		4.00
PULL #3	4.09	4.14		3.97
PULL #4	4.00	4.26		4.02
PULL #5	3.94	4.14		4.04
TOTAL	20.04	20.76		19.90
AVERAGE	4.01	4.15		3.98

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522150.___0

FILE DATE AND TIME: 11/29/2005 23:11

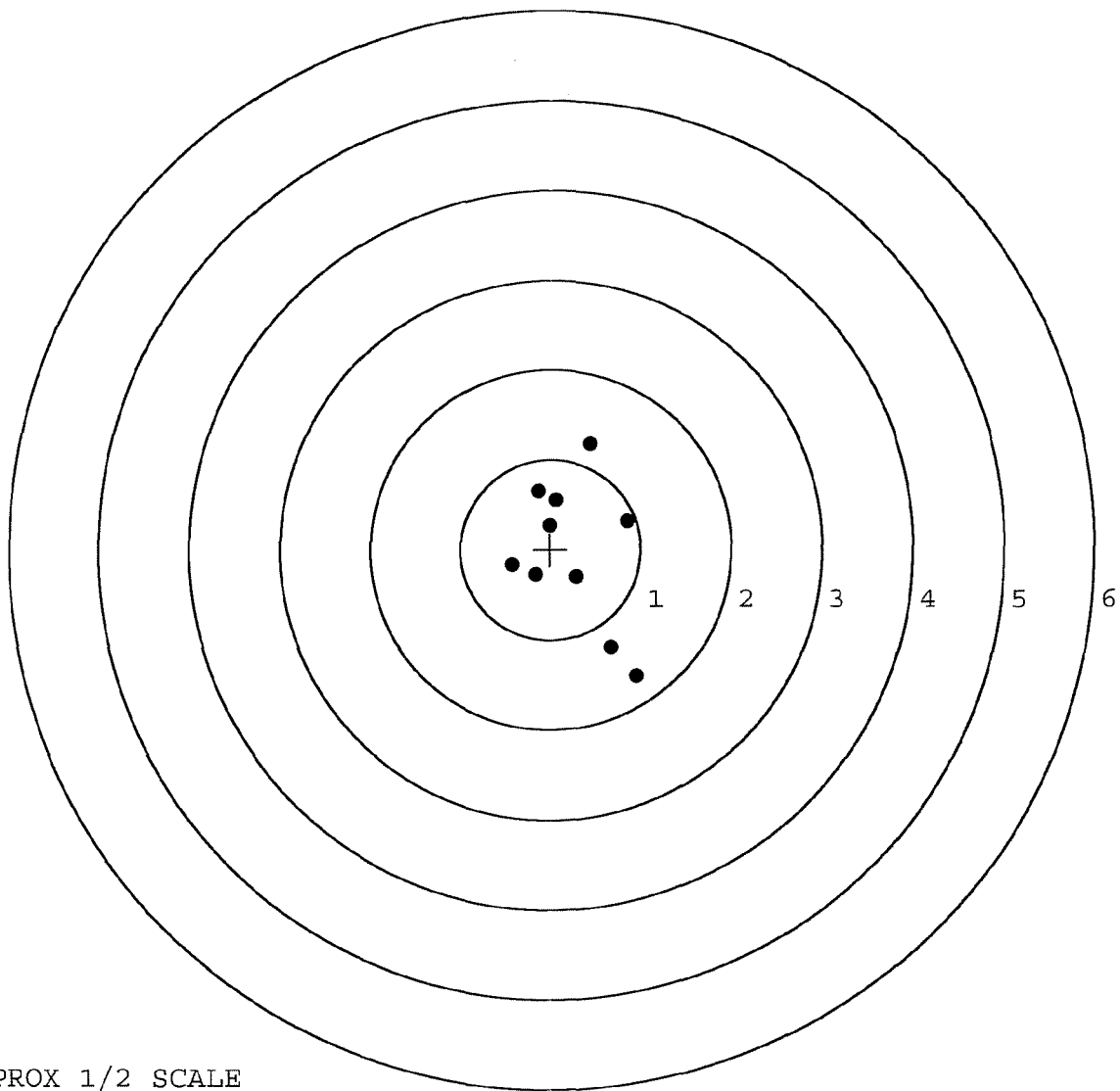
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.153
The Average Y Centroid of the Five Target Set:	0.073
The Average Point of Impact of the Five Target Set:	0.170
The Average Mean Radius of the Five Target Set:	0.584
The Distance from POA to Centroid Target #1:	0.256
The Distance from Centroid Target #2 to Centroid Target #1:	0.165
The Distance from Centroid Target #3 to Centroid Target #1:	0.305
The Distance from Centroid Target #4 to Centroid Target #1:	0.236
The Distance from Centroid Target #5 to Centroid Target #1:	0.183

SERIAL NUMBER: C6522150. 0
TARGET NUMBER: 1
FILE DATE: 11/29/2005
FILE TIME: 23:11

POINT#	X	Y
1:	0.290	-0.302
2:	-0.163	-0.282
3:	-0.422	-0.172
4:	-0.008	0.269
5:	0.062	0.550
6:	-0.135	0.651
7:	0.442	1.175
8:	0.851	0.317
9:	0.671	-1.093
10:	0.959	-1.409

X CENTROID: 0.255
Y CENTROID: -0.030
POA TO CENTROID: 0.256
HORZ SPREAD: 1.381
VERT SPREAD: 2.584
GROUP SPREAD: 2.635
MIN RADIUS: 0.275
MAX RADIUS: 1.549
MEAN RADIUS: 0.785
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

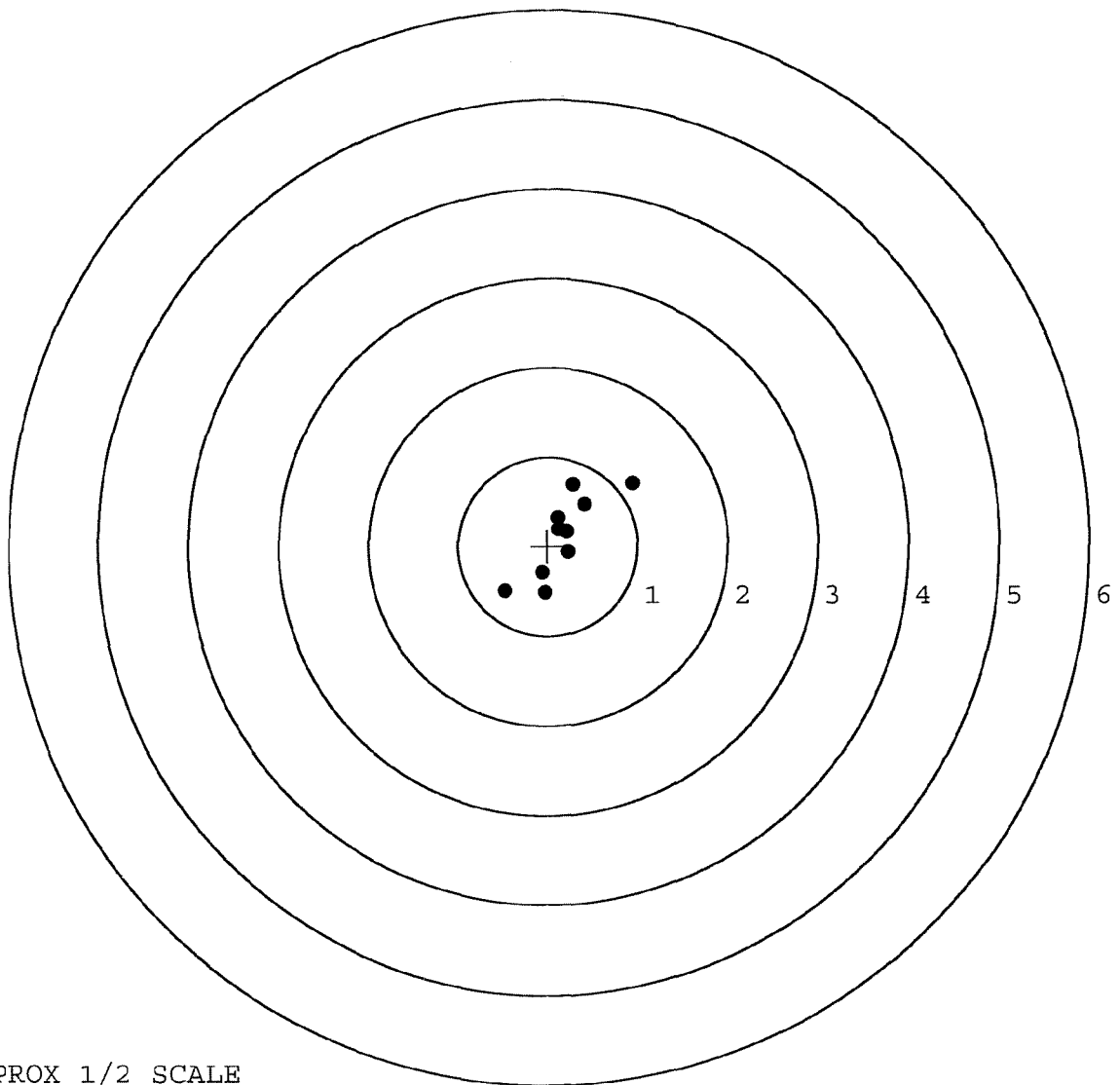


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522150. 0
TARGET NUMBER: 2
FILE DATE: 11/29/2005
FILE TIME: 23:11

POINT#	X	Y
1:	0.233	-0.068
2:	-0.027	-0.524
3:	-0.066	-0.302
4:	-0.480	-0.501
5:	0.114	0.315
6:	0.411	0.472
7:	0.285	0.700
8:	0.945	0.704
9:	0.209	0.165
10:	0.126	0.189

X CENTROID: 0.175
Y CENTROID: 0.115
POA TO CENTROID: 0.209
HORZ SPREAD: 1.425
VERT SPREAD: 1.228
GROUP SPREAD: 1.866
MIN RADIUS: 0.060
MAX RADIUS: 0.969
MEAN RADIUS: 0.459
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

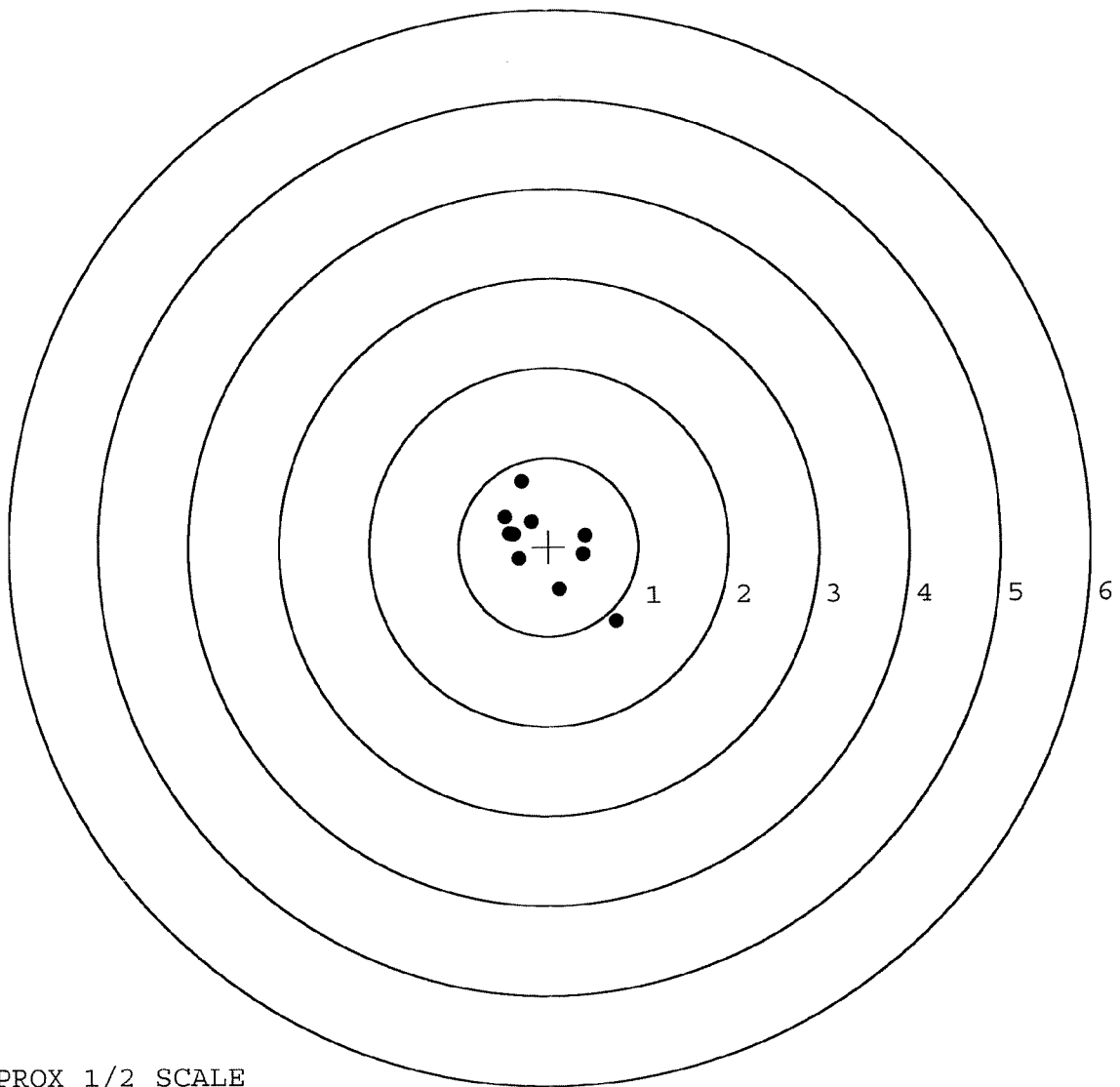


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522150.___0
TARGET NUMBER: 3
FILE DATE: 11/29/2005
FILE TIME: 23:11

POINT#	X	Y
1:	-0.298	0.737
2:	0.413	0.124
3:	0.380	-0.090
4:	0.125	-0.484
5:	0.748	-0.846
6:	-0.327	-0.136
7:	-0.190	0.280
8:	-0.482	0.336
9:	-0.437	0.150
10:	-0.392	0.142

X CENTROID: -0.046
Y CENTROID: 0.021
POA TO CENTROID: 0.051
HORZ SPREAD: 1.230
VERT SPREAD: 1.583
GROUP SPREAD: 1.897
MIN RADIUS: 0.296
MAX RADIUS: 1.176
MEAN RADIUS: 0.531
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



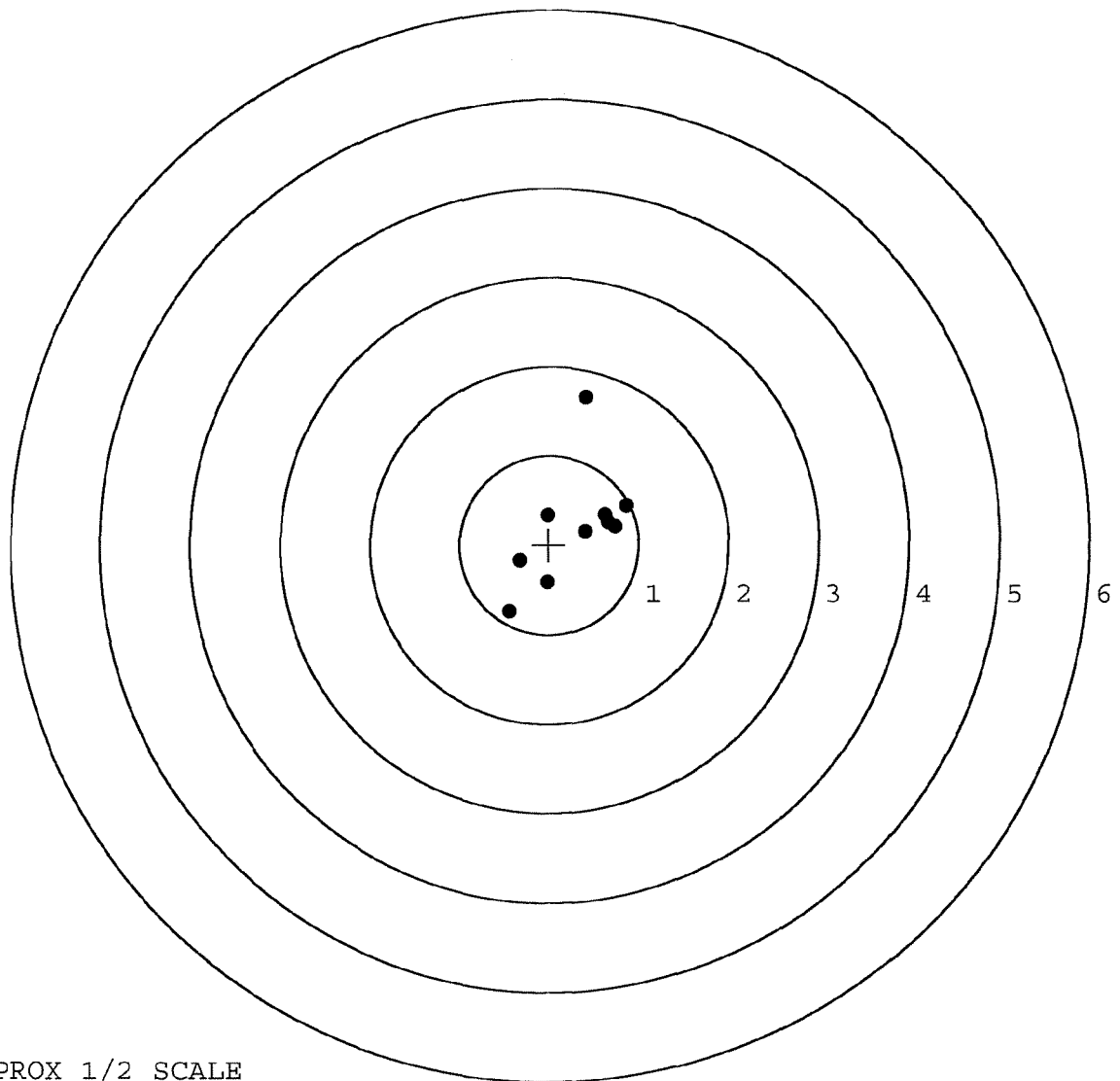
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522150. 0
TARGET NUMBER: 4
FILE DATE: 11/29/2005
FILE TIME: 23:11

X CENTROID: 0.289
Y CENTROID: 0.204
POA TO CENTROID: 0.354
HORZ SPREAD: 1.312
VERT SPREAD: 2.404
GROUP SPREAD: 2.552
MIN RADIUS: 0.125
MAX RADIUS: 1.459
MEAN RADIUS: 0.633

POINT#	X	Y
1:	-0.322	-0.177
2:	-0.016	-0.420
3:	-0.446	-0.746
4:	-0.017	0.332
5:	0.402	0.150
6:	0.735	0.206
7:	0.866	0.437
8:	0.410	1.658
9:	0.626	0.340
10:	0.654	0.257

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

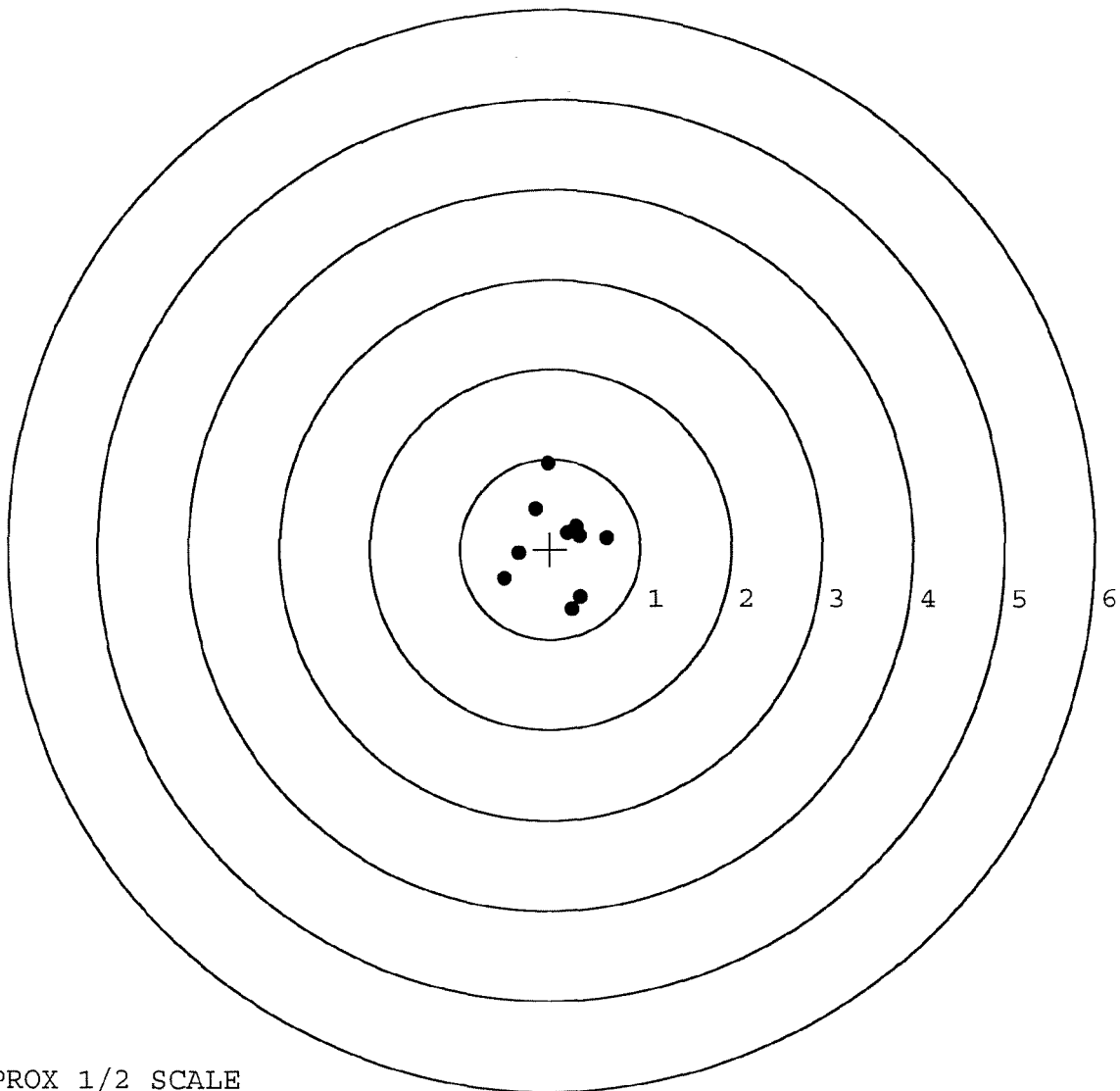


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522150. __0
TARGET NUMBER: 5
FILE DATE: 11/29/2005
FILE TIME: 23:11

POINT#	X	Y
1:	0.339	-0.528
2:	0.244	-0.660
3:	-0.513	-0.320
4:	-0.351	-0.045
5:	-0.172	0.453
6:	-0.033	0.947
7:	0.189	0.182
8:	0.283	0.247
9:	0.322	0.149
10:	0.621	0.131

X CENTROID: 0.093
Y CENTROID: 0.056
POA TO CENTROID: 0.108
HORZ SPREAD: 1.134
VERT SPREAD: 1.607
GROUP SPREAD: 1.631
MIN RADIUS: 0.159
MAX RADIUS: 0.900
MEAN RADIUS: 0.512
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102788		CAMIO Shelby	
SERIAL NUMBER	C 6522150			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	A
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX	11-15-05	CD
605	CHECK HEADSPACE	INSPECTED	11-15-05	CD
610	DIS-ASSEMBLE GUN	NOV 18 2005	11-15-05	CD
612	MAGNAFLUX	OPERATOR <i>umg</i>	11/18/05	<i>umg</i>
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	FB
625	FINAL ASSEMBLY		11-29-05	RJL
640	FUNCTION TEST AND	PASS FAIL	11/29/05	MGP
650	TARGET	PASS FAIL		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	NA	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-30-05	AC
	A) HEADSPACE	PASS FAIL	11-30-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.51 2.52 2.44 2.45 2.49	AC
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	.021 .021 .021	AC
690	PACK		12-1-05	CH

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C652215⁰

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/13/90	KS
600	Proof		8/13/90	KS
607	Check Headspace		8/13/90	KS
610	Dis-assemble Gun		8/13/90	KS
612	Magnaflux Barrel Action		8/16	KCR
	Magnaflux Bolt		8/16	KCR
615	Rollmark Caliber		8/16	GA
617	Drill and Tap Sight Holes		8/17/90	FB
618	Polish Barrel RB		8/17/90	WB
620	Apply Coatings (Barrel Action)		8-21-90	TS
	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		9/13/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/13/90	WB
	G) Safety Off Force	2	2	2			9/13/90	WB
	H) Trigger Pull Test & Retainability						9/13/90	WB
	I) Firing Pin Indent	.0215	.0225	.022			9/13/90	WB
	J) Assemble Stock						9/13/90	KS
	K) Assemble Swivel Studs						9/13/90	KS
	L) Attach Front and Rear Sight Assemblies						9/13/90	KS
	M) Iron Sight Alignment						9/13/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/13/90	KS
	O) Attach Scope to Rifle						9/13/90	KS
	P) Detach & Attach Scope 20 Times						9/13/90	KS
640	Gallery Target & Test						9-14-90	DH
	A) Time						9-14-90	DH
	B) Malfunctions						9-14-90	DH
	C) Pierced Primers						9-14-90	DH
	D) Optical Clarity of Scope						9-14-90	DH
645	Inspect for Live Ammo						9-14-90	DH
655	Final Inspection						9/15/90	KS
	A) Headspace						9-15-90	KS
	B) Trigger Pull	2.26	2.33	2.43	2.40	2.33	9/15/90	KS
	C) Function						9/15/90	KS
660	Pack						9/19/90	KS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6527150
DATE 9/17/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.38	2.36	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.40	2.12	2.33	
PULL #3	2.31	2.22	2.41	2.43	
PULL #4	2.33	2.24	2.23	2.40	
PULL #5	2.31	2.19	2.40	2.33	
TOTAL	11.76	11.43	11.52	11.75	
AVG.	2.37	2.28	2.30	2.35	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	3.02		
PULL #2	3.18	2.90		
PULL #3	3.16	2.95		
PULL #4	3.08	3.05		
PULL #5	3.13	3.17		
TOTAL	15.57	15.09		
AVG.	3.11	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.23		4.06
PULL #2	4.30	4.21		4.07
PULL #3	4.32	4.03		4.06
PULL #4	4.26	4.25		4.16
PULL #5	4.12	4.21		4.13
TOTAL	21.12	20.93		20.48
AVG.	4.22	4.19		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522150
14 Sep 1990

CENTROIDAL DISTANCES

0	TO	1	.677676
1	TO	2	.300002
1	TO	3	.198003
1	TO	4	.277218
1	TO	5	.677574

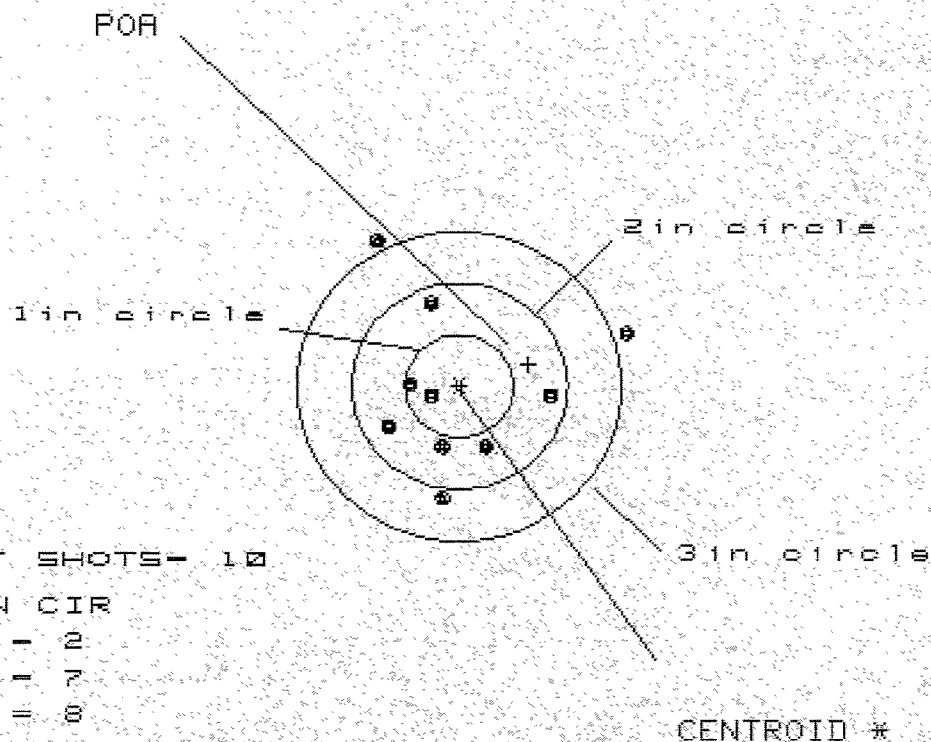
$\frac{2}{11}$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4278
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.146
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .452027
THE AMR FOR THIS RIFLE IS: .8218

14 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522150

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.351

VS= 2.543

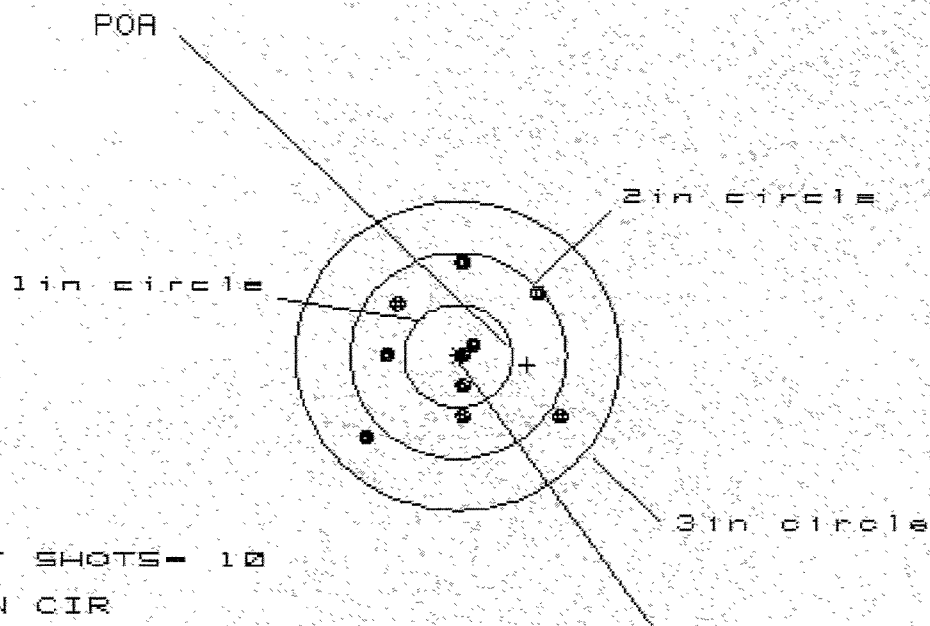
GS= 2.626

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.566	1.479	.916
MINIMUM X	:	-.785	-.786	-.602
MAXIMUM Y	:	1.455	1.019	1.101
MINIMUM Y	:	-1.088	-.926	-.844
CENTROID X	:	-.643	-.556	-.740
CENTROID Y	:	-.214	-.376	-.458
POA TO CENTROID in.	:	.678	.671	.871
MIN RADIUS	:	.262	.321	.188
MEAN RADIUS	:	.883	.776	.618
MAX RADIUS	:	1.654	1.618	1.114
HORIZONTAL SPREAD	:	2.351	2.265	1.518
VERTICAL SPREAD	:	2.543	1.945	1.945
EXTREME SPREAD	:	2.626	2.441	1.950
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522150

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.7800

VS= 1.682

GS= 2.086

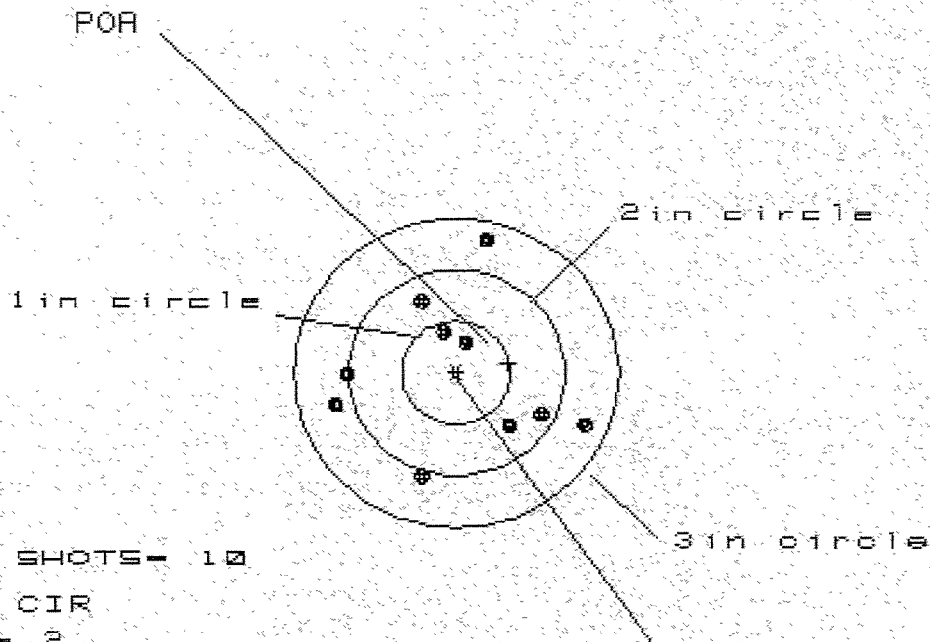
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.940	.847	.707
MINIMUM X	-.840	-.728	-.622
MAXIMUM Y	.900	.813	.726
MINIMUM Y	-.782	-.702	-.746
CENTROID X	-.642	-.549	-.655
CENTROID Y	.086	.173	.260
POA TO CENTROID in.	.648	.576	.705
MIN RADIUS	.015	.088	.189
MEAN RADIUS	.655	.604	.549
MAX RADIUS	1.147	1.100	.842
HORIZONTAL SPREAD	1.780	1.575	1.329
VERTICAL SPREAD	1.682	1.515	1.472
EXTREME SPREAD	2.086	1.864	1.472
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

14 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522150

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.340

VS= 2.274

GS= 2.360

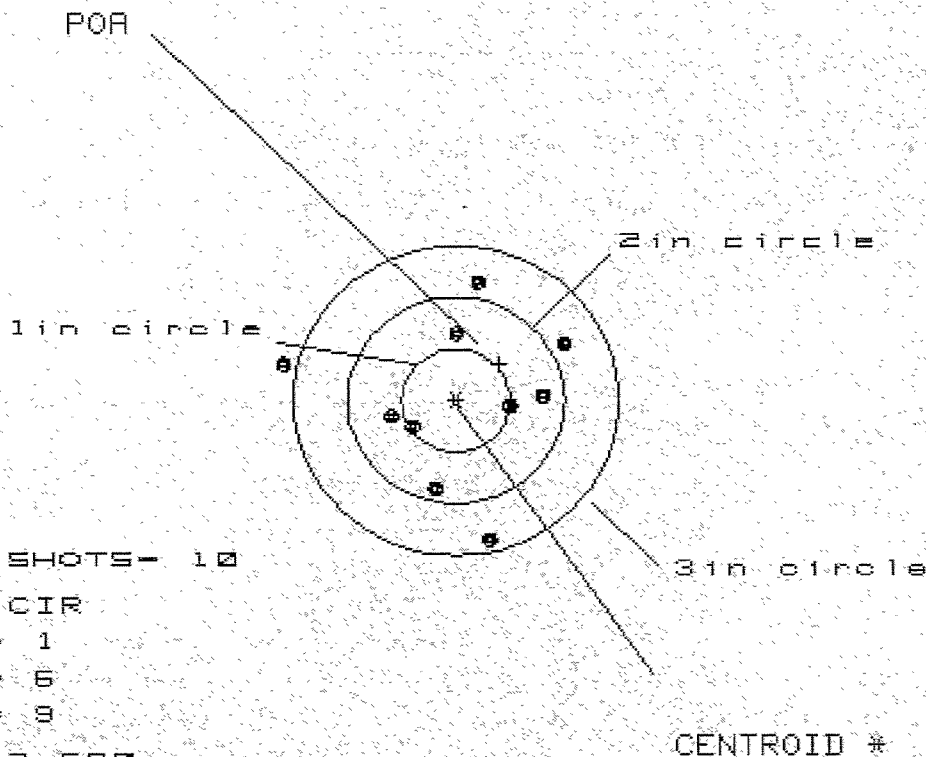
CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.222	.941	.992
MINIMUM X	-1.126	-.990	-.939
MAXIMUM Y	1.309	1.248	.824
MINIMUM Y	-.965	-1.026	-.870
CENTROID X	-.484	-.620	-.671
CENTROID Y	-.096	-.035	-.191
POA TO CENTROID in.	.494	.621	.698
MIN RADIUS	.273	.286	.439
MEAN RADIUS	.896	.833	.783
MAX RADIUS	1.338	1.314	1.045
HORIZONTAL SPREAD	2.348	1.931	1.931
VERTICAL SPREAD	2.274	2.274	1.694
EXTREME SPREAD	2.360	2.340	1.935
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

14 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6582150

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.590

VS= 2.481

GS= 2.596

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.986	.807	.827
MINIMUM X	:	-1.604	-.774	-.754
MAXIMUM Y	:	1.125	1.161	.996
MINIMUM Y	:	-1.356	-1.320	-1.006
CENTROID X	:	-.402	-.223	-.243
CENTROID Y	:	-.351	-.387	-.222
POA TO CENTROID in.	:	.533	.447	.329
MIN RADIUS	:	.494	.335	.386
MEAN RADIUS	:	.918	.823	.747
MAX RADIUS	:	1.637	1.329	1.059
HORIZONTAL SPREAD	:	2.590	1.581	1.581
VERTICAL SPREAD	:	2.481	2.481	2.002
EXTREME SPREAD	:	2.596	2.483	2.042
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C0522150

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.056

VS= 1.407

GS= 2.107

PATTERN # : 5

SHOTS (BEST OF) :

10

9

8

MAXIMUM X :

.964

1.067

.943

MINIMUM X :

-1.092

-.989

-.662

MAXIMUM Y :

.701

.737

.760

MINIMUM Y :

-.707

-.629

-.606

CENTROID X :

.032

-.071

.053

CENTROID Y :

-.155

-.233

-.256

POA TO CENTROID in.:

.159

.244

.261

MIN RADIUS :

.186

.151

.087

MEAN RADIUS :

.757

.691

.638

MAX RADIUS :

1.163

1.067

.944

HORIZONTAL SPREAD :

2.056

2.056

1.605

VERTICAL SPREAD :

1.407

1.366

1.366

EXTREME SPREAD :

2.107

2.063

1.724

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10

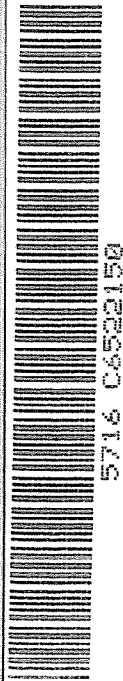
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

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

MODEL 700™ M24

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

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