

C6523403

MODEL 700™ M24

Model **SMS**™

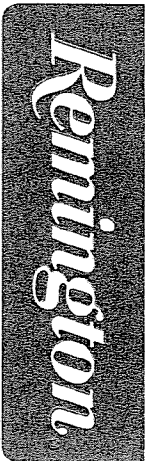
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: RE00151971

Serial: C6523403 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair

Status:

Closed 9/26/2008 9:51:01 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201-4199

Country: US

State: AL

Zip Code: 36201-4199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Poor

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

9/29/2008

2:47 PM

CAPS

NUM

INS

SCRL



Serial Number: C6523403

Model: M24 SWS



RE00151971

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

OPERATION #	OPERATION NAME	DATE	INITIAL
R & E NUMBER	151971		
SERIAL NUMBER	C6523403		
LOG-IN DATE	9-26-08		
500	DIS-ASSEMBLE GUN	3-26-09	RTZ
505	RE-BARREL	3-27-09	RTZ
420	ASSEMBLE	3-27-09	RTZ
440	PROOF	MAGNA - FLUX 3-27-09	TL
460	CHECK HEADSPACE	3-27-09	TL
470	DIS-ASSEMBLE GUN		
480	MAGNAFLUX	OPERATOR 4/2/09	(D)
510	DRILL AND TAP	3-28-09	SP
500	ROLLMARK CALIBER	4/2/09	RT
520	GOFF BLAST BBL / REC	4-2	BA
530 & 540	APPLY COATINGS	4-3	
560	FINAL ASSEMBLY	4-3-09	RTZ
640	FUNCTION TEST AND	(PASS) FAIL 4-13-09	RP
650	TARGET	(PASS) FAIL 4-13-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION N/A	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION A) HEADSPACE	(PASS) FAIL 4-16-09	WV
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	
		2.83 2.51 2.22 2.83 2.84 4-14-09	WV
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	
		5.5 5 5 4-14-09	WV
	G) SAFETY OFF FORCE	2 LBS MAX	
		4 4 3.5 4-14-09	WV
	I) FIRING PIN INDENT	.020	
		.022 .022 .022 4-14-09	WV
690	PACK	6/3/09	Fm

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523403.___0
FILE DATE AND TIME: 04/14/2009 05:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.052
The Average Y Centroid of the Five Target Set:	-0.010
The Average Point of Impact of the Five Target Set:	0.053
The Average Mean Radius of the Five Target Set:	0.691
The Distance from POA to Centroid Target #1:	0.098
The Distance from Centroid Target #2 to Centroid Target #1:	0.119
The Distance from Centroid Target #3 to Centroid Target #1:	0.229
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.103

SERIAL NUMBER: C6523403. 0

TARGET NUMBER: 1

FILE DATE: 04/14/2009

FILE TIME: 05:24

POINT#	X	Y
1:	-0.361	-0.505
2:	-0.222	-0.468
3:	-0.081	-0.321
4:	-0.270	-0.174
5:	0.498	-0.499
6:	0.451	-0.293
7:	-0.198	0.459
8:	-0.984	0.486
9:	-0.265	-0.011
10:	2.063	0.581

X CENTROID: 0.063

Y CENTROID: -0.074

POA TO CENTROID: 0.098

HORZ SPREAD: 3.047

VERT SPREAD: 1.086

GROUP SPREAD: 3.048

MIN RADIUS: 0.286

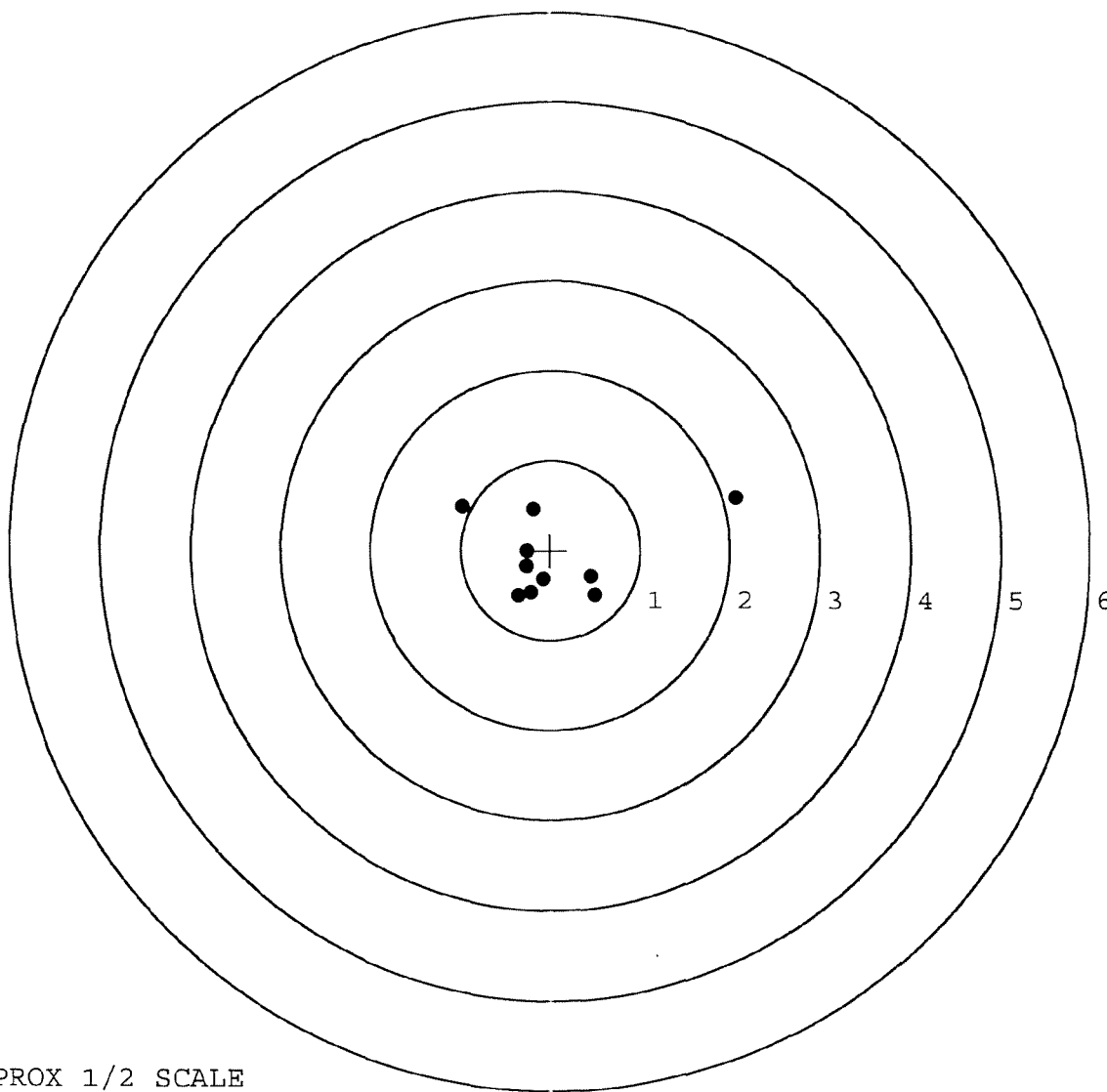
MAX RADIUS: 2.105

MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523403. 0

TARGET NUMBER: 2

FILE DATE: 04/14/2009

FILE TIME: 05:24

X CENTROID: 0.182

Y CENTROID: -0.082

POA TO CENTROID: 0.199

HORZ SPREAD: 2.686

VERT SPREAD: 1.658

GROUP SPREAD: 2.692

MIN RADIUS: 0.293

MAX RADIUS: 1.552

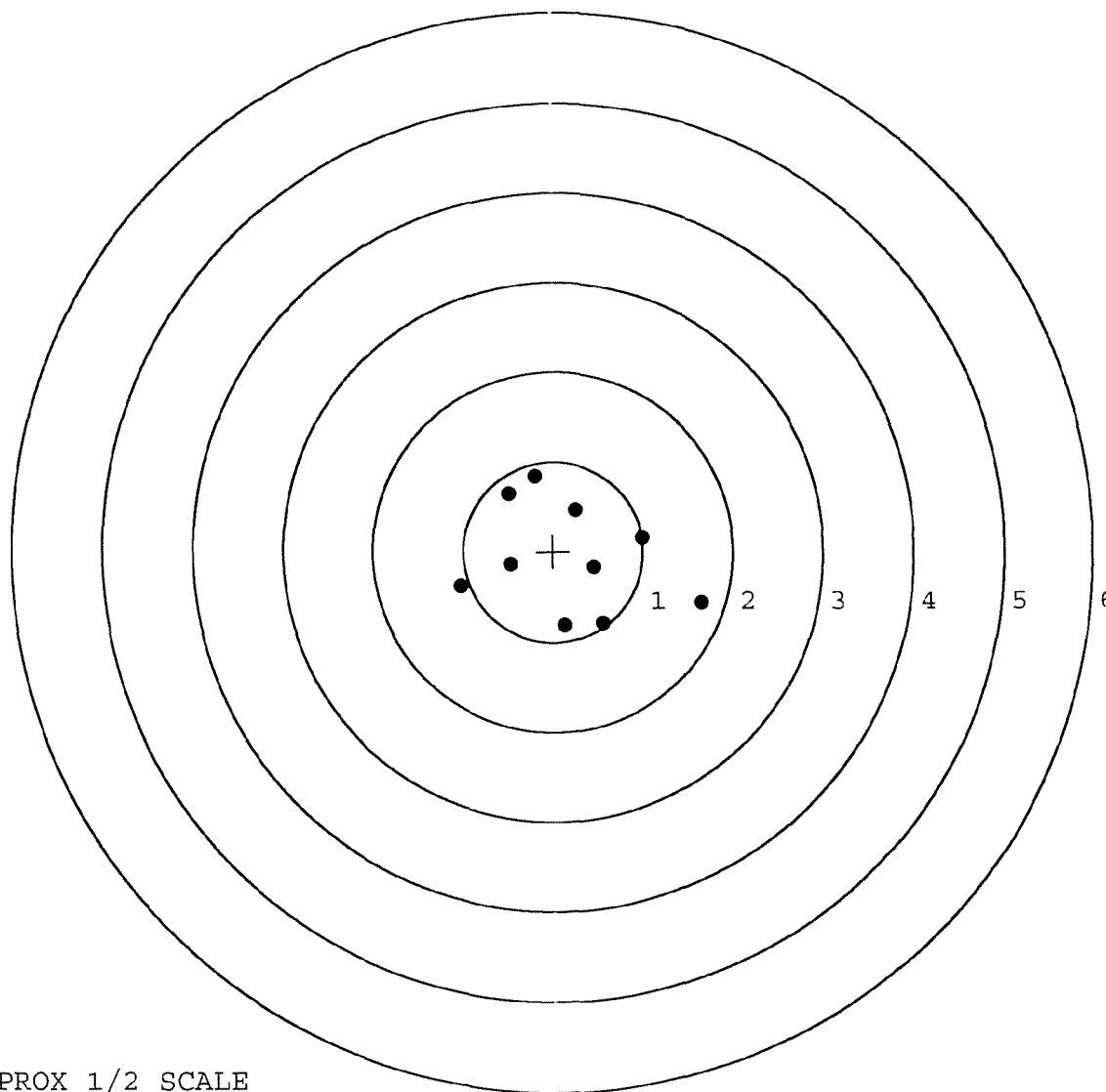
MEAN RADIUS: 0.869

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.998	0.149
2:	0.459	-0.176
3:	0.553	-0.797
4:	0.120	-0.821
5:	0.248	0.454
6:	-0.203	0.837
7:	-0.498	0.645
8:	-0.480	-0.143
9:	-1.033	-0.392
10:	1.653	-0.575



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523403. __0

TARGET NUMBER: 3

FILE DATE: 04/14/2009

FILE TIME: 05:24

X CENTROID: -0.129

Y CENTROID: 0.049

POA TO CENTROID: 0.138

HORZ SPREAD: 1.574

VERT SPREAD: 1.718

GROUP SPREAD: 1.939

MIN RADIUS: 0.218

MAX RADIUS: 1.174

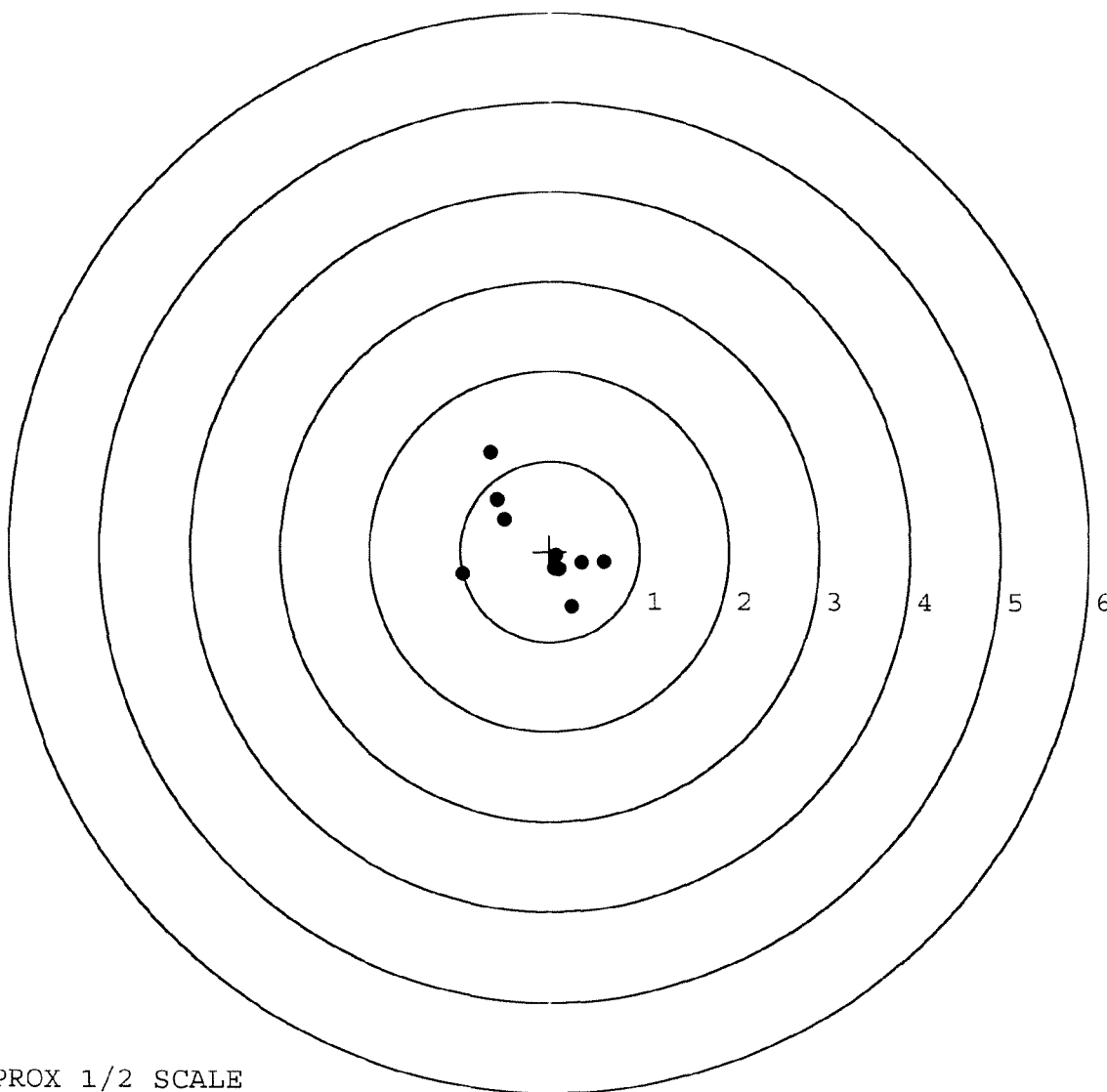
MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.654	1.099
2:	-0.593	0.575
3:	-0.511	0.355
4:	-0.970	-0.258
5:	0.244	-0.619
6:	0.604	-0.114
7:	0.358	-0.123
8:	0.068	-0.043
9:	0.055	-0.189
10:	0.105	-0.196



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523403. 0

TARGET NUMBER: 4

FILE DATE: 04/14/2009

FILE TIME: 05:24

POINT#	X	Y
1:	0.712	-0.764
2:	0.665	0.488
3:	-0.250	0.845
4:	0.165	-0.337
5:	0.056	-0.079
6:	-0.224	0.185
7:	-0.192	-0.476
8:	-0.850	0.029
9:	-0.034	-0.011
10:	0.579	0.428

X CENTROID: 0.063

Y CENTROID: 0.031

POA TO CENTROID: 0.070

HORZ SPREAD: 1.562

VERT SPREAD: 1.609

GROUP SPREAD: 1.875

MIN RADIUS: 0.105

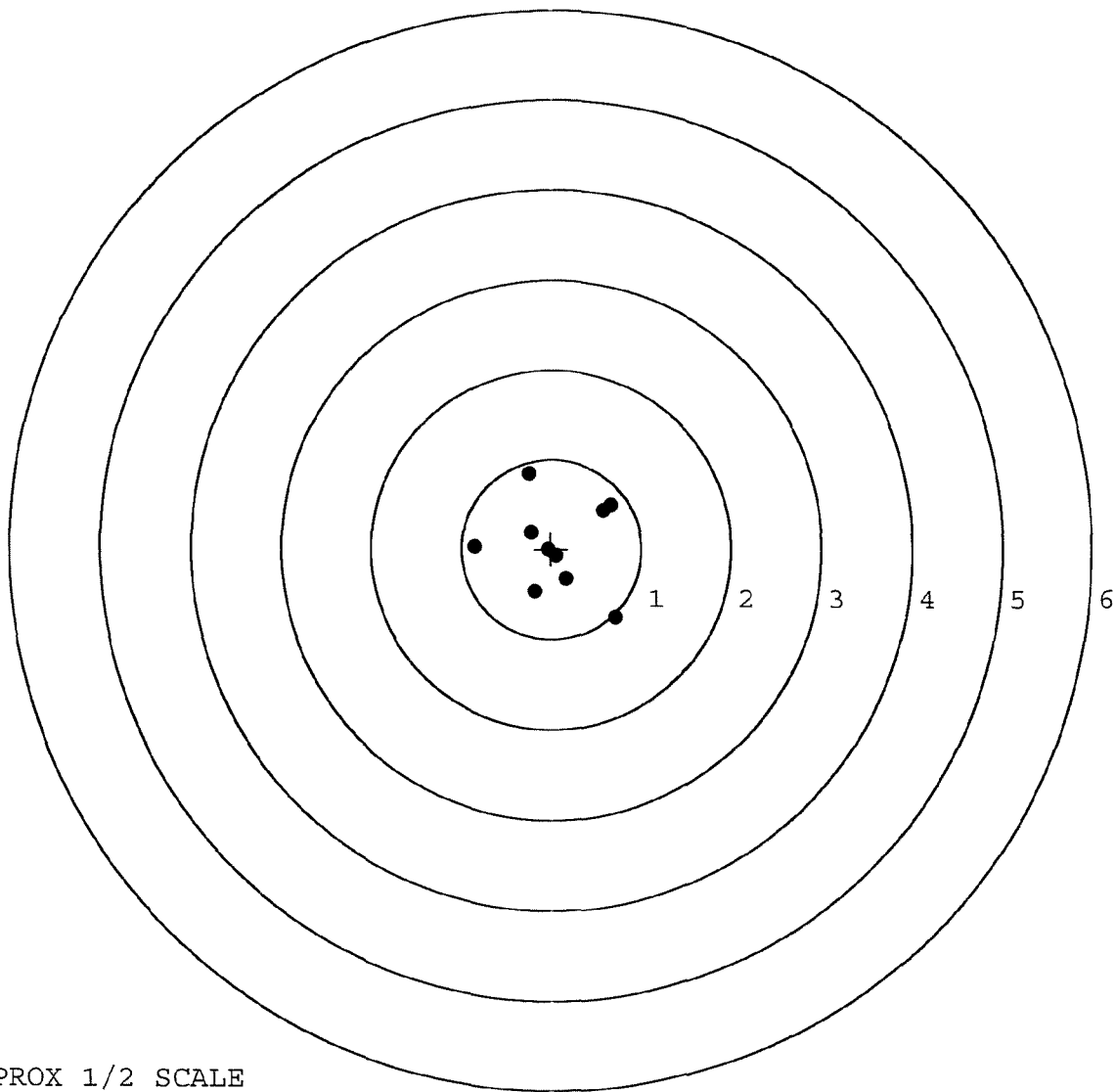
MAX RADIUS: 1.026

MEAN RADIUS: 0.571

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523403. __0

TARGET NUMBER: 5

FILE DATE: 04/14/2009

FILE TIME: 05:24

POINT#	X	Y
1:	0.987	-0.567
2:	0.688	0.036
3:	0.990	0.144
4:	0.346	-0.410
5:	0.189	-0.409
6:	0.041	-0.194
7:	-0.016	0.010
8:	-0.118	0.275
9:	-0.900	0.312
10:	-1.379	1.071

X CENTROID: 0.083

Y CENTROID: 0.027

POA TO CENTROID: 0.087

HORZ SPREAD: 2.369

VERT SPREAD: 1.638

GROUP SPREAD: 2.878

MIN RADIUS: 0.100

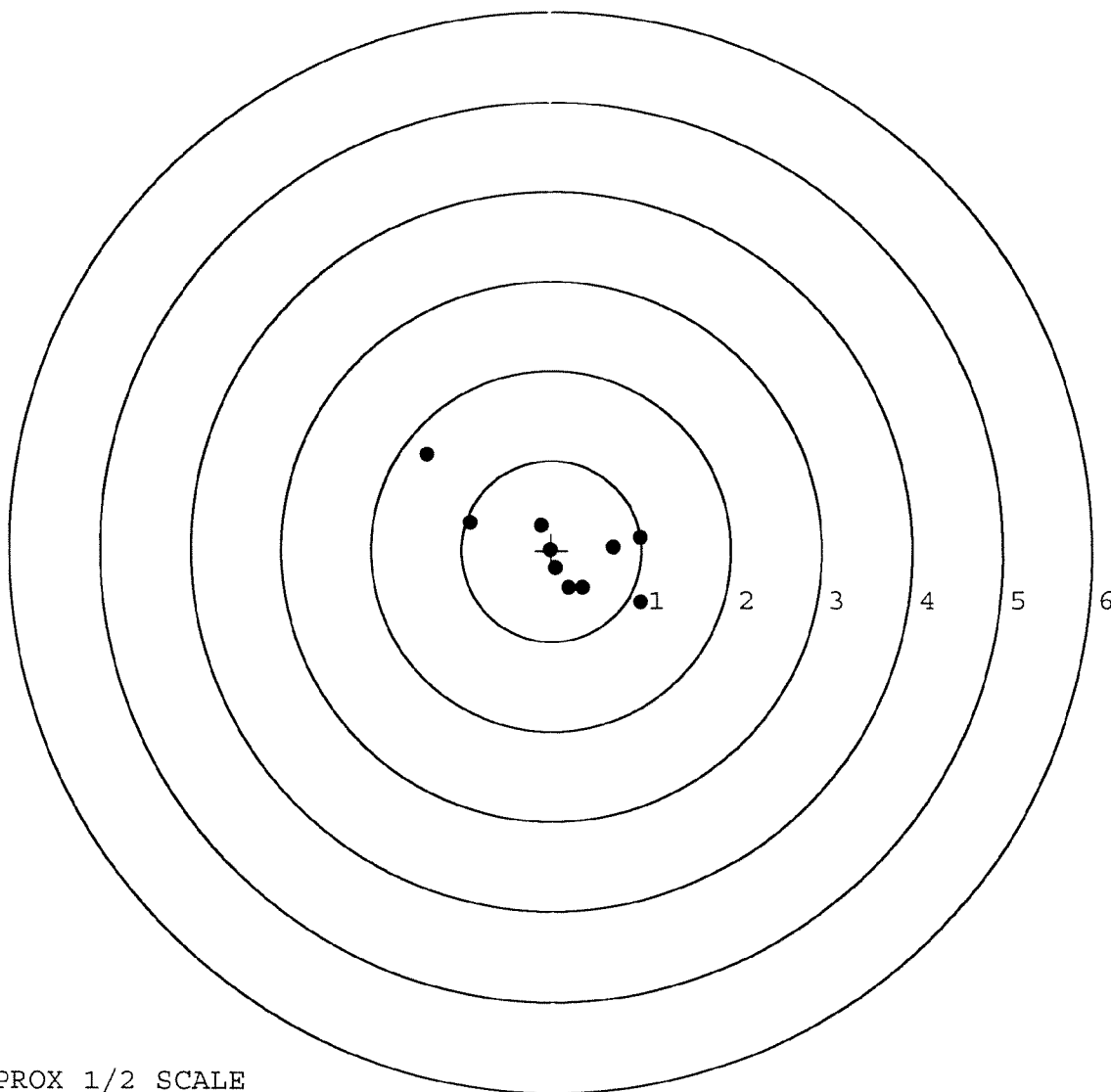
MAX RADIUS: 1.796

MEAN RADIUS: 0.702

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

Remington®

Model 700™ M24

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

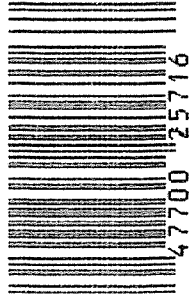
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6523403

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6523403

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523403

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	FB
618	Polish Barrel RB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/2/90	RW
	C) Inspect Ejector Hole for Chamfer		11/2/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-14-90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/14/90	WB
	G) Safety Off Force	2	2	2			11/14/90	WB
	H) Trigger Pull Test & Retainability						11-14-90	gll
	I) Firing Pin Indent	.021	.021	.021			11/14/90	WB
	J) Assemble Stock						11/14/90	RW
	K) Assemble Swivel Studs						11-14-90	DA
	L) Attach Front and Rear Sight Assemblies						11/14/90	RW
	M) Iron Sight Alignment						11/14/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	RW
	O) Attach Scope to Rifle						11/14/90	RW
	P) Detach & Attach Scope 20 Times						11/14/90	RW
640	Gallery Target & Test						11-15-90	DA
	A) Time						11-15-90	DA
	B) Malfunctions						11-15-90	DA
	C) Pierced Primers						11-15-90	DA
	D) Optical Clarity of Scope						11-15-90	DA
645	Inspect for Live Ammo						11-15-90	DA
655	Final Inspection							
	A) Headspace						11-19-90	DA
	B) Trigger Pull	2.65	2.42	2.40	2.70	2.65	11-19-90	DA
	C) Function						11-19-90	DA
660	Pack						12-17-90	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523403

DATE 11-14-90

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.17	2.15	2.46	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.21	2.38	2.42	
PULL #3	2.24	2.21	2.38	2.40	
PULL #4	2.19	2.38	2.19	2.70	
PULL #5	2.20	2.43	2.25	2.65	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.20		
PULL #2	3.36	3.25		
PULL #3	3.35	3.35		
PULL #4	3.50	3.25		
PULL #5	3.33	3.36		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.42		4.42
PULL #2	4.25	4.19		4.18
PULL #3	4.10	4.26		4.12
PULL #4	4.33	4.50		4.12
PULL #5	4.15	4.43		4.16
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523403
15 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.253213
1 TO	2	.321753
1 TO	3	.5942
1 TO	4	.231277
1 TO	5	.415531

$\bar{x}_3$ <----POB

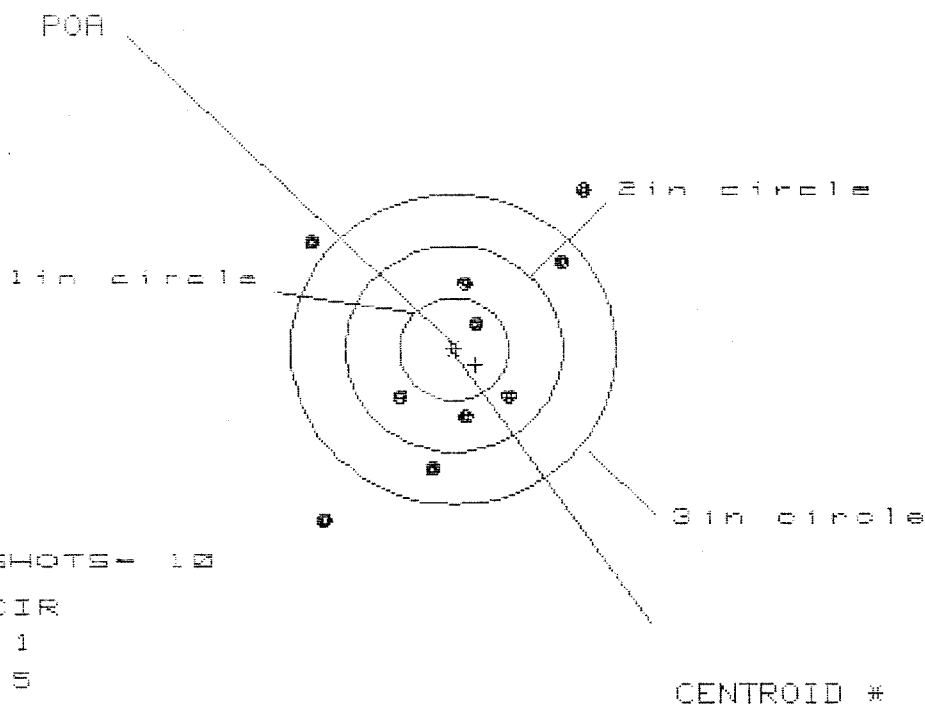
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .084
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1126
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .14048
THE AMR FOR THIS RIFLE IS: .9926

15 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523403

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 2.559

VS= 3.177

GS= 3.970

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.213	1.083	1.029
MINIMUM X	-1.346	-1.476	-1.341
MAXIMUM Y	1.533	1.350	1.065
MINIMUM Y	-1.644	-1.378	-1.209
CENTROID X	-.201	-.071	-.206
CENTROID Y	.154	.337	.168
POA TO CENTROID in.	.253	.344	.266
MIN RADIUS	.329	.110	.319
MEAN RADIUS	1.123	1.000	.908
MAX RADIUS	2.017	1.731	1.712
HORIZONTAL SPREAD	2.559	2.559	2.370
VERTICAL SPREAD	3.177	2.728	2.274
EXTREME SPREAD	3.970	3.077	2.542
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

15 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523483

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 2.401

VS = 1.785

GS = 2.754

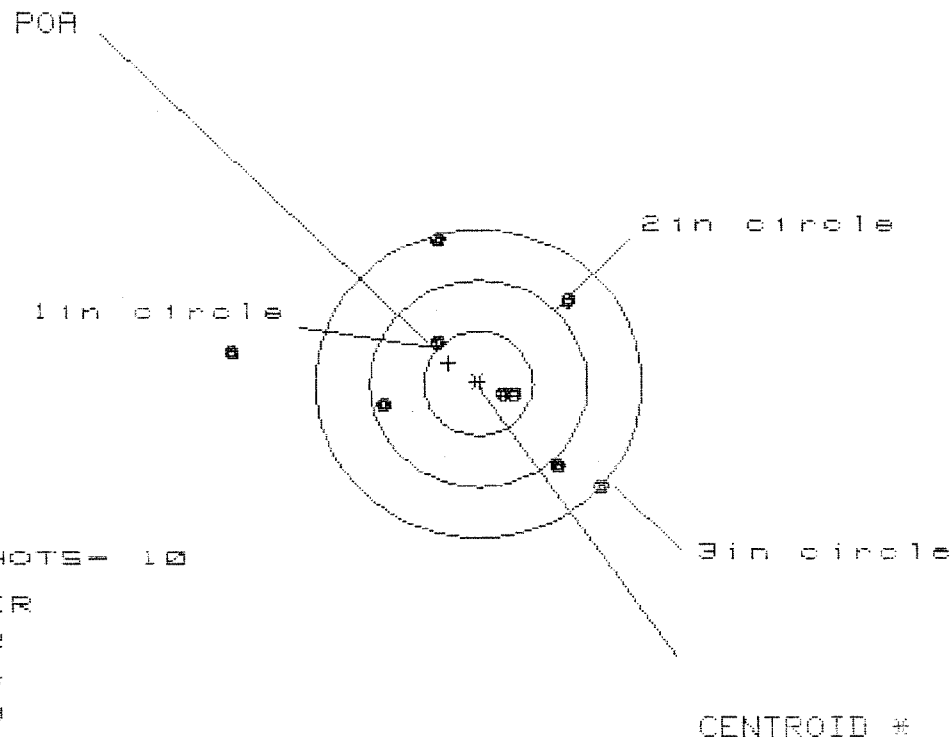
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.498	.537	.445
MINIMUM X	-.903	-.737	-.824
MAXIMUM Y	1.000	1.063	.688
MINIMUM Y	-.785	-.722	-.589
CENTROID X	.117	-.049	.043
CENTROID Y	.203	.140	.007
POR TO CENTROID in.	.235	.148	.044
MIN RADIUS	.284	.245	.086
MEAN RADIUS	.774	.685	.570
MAX RADIUS	1.603	1.294	1.013
HORIZONTAL SPREAD	2.401	1.274	1.269
VERTICAL SPREAD	1.785	1.785	1.277
EXTREME SPREAD	2.754	1.797	1.797
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

15 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523483

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.395

VS= 2.379

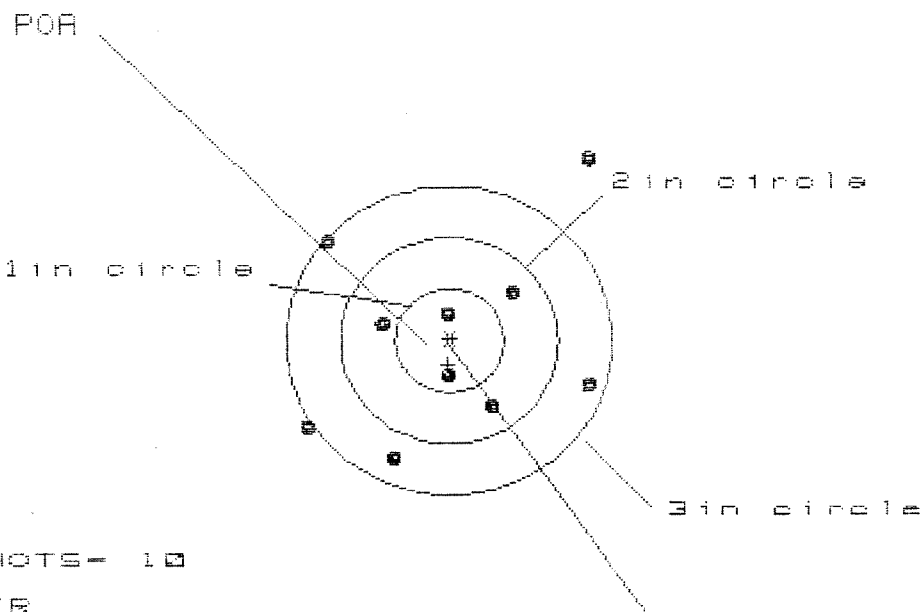
GS= 3.647

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.116
MINIMUM X	-2.279
MAXIMUM Y	1.398
MINIMUM Y	-.981
CENTROID X	.274
CENTROID Y	-.283
POA TO CENTROID in.	.341
MIN RADIUS	.242
MEAN RADIUS	1.057
MAX RADIUS	2.306
HORIZONTAL SPREAD	3.395
VERTICAL SPREAD	2.379
EXTREME SPREAD	3.647
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9

15 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523403

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.592

VS= 2.888

GS= 3.681

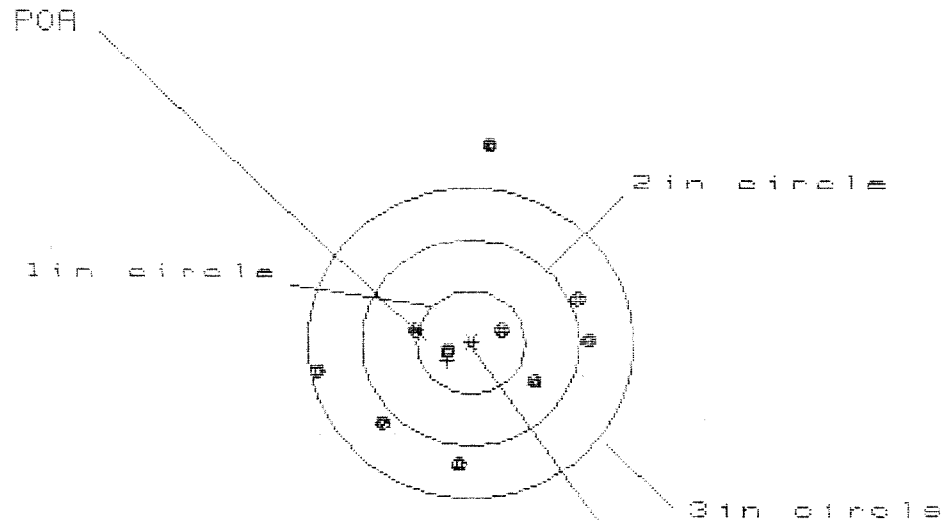
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.306	1.438	1.295
MINIMUM X	:	-1.286	-1.141	-1.141
MAXIMUM Y	:	1.735	1.160	1.074
MINIMUM Y	:	-1.153	-.960	-1.046
CENTROID X	:	.016	-.129	.014
CENTROID Y	:	.234	.041	.127
POA TO CENTROID in.	:	.235	.135	.128
MIN RADIUS	:	.217	.256	.277
MEAN RADIUS	:	1.051	.913	.842
MAX RADIUS	:	2.172	1.530	1.567
HORIZONTAL SPREAD	:	2.592	2.579	2.436
VERTICAL SPREAD	:	2.888	2.120	2.120
EXTREME SPREAD	:	3.681	2.800	2.800
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6528483

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HM = 0.447

VM = 3.085

GM = 3.085

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.055
MINIMUM X	-1.392
MAXIMUM Y	1.942
MINIMUM Y	-1.143
CENTROID X	.214
CENTROID Y	.175
POA TO CENTROID in.	.277
MIN RADIUS	.252
MEAN RADIUS	.958
MAX RADIUS	1.950
HORIZONTAL SPREAD	2.447
VERTICAL SPREAD	3.085
EXTREME SPREAD	3.095
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9