

C6523458

MODEL 700™ M24

Model **SMS**™

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: RE00151966

Serial: C6523458 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status: Closed 9/26/2008 9:50:38 AM

Verify Repair

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

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
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

2:39 PM

CAPS

NUM

INS

SCRL



Serial Number:

C6523458

Model: M24 SWS



RE00151966

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER <u>151966</u>			
SERIAL NUMBER <u>C6523458</u>			
LOG-IN DATE <u>9-26-08</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-25-09	RT
505	RE-BARREL	3-27-09	RT
420	ASSEMBLE	3-27-09	RT
440	PROOF	3-27-09	TC
460	CHECK HEADSPACE	3-27-09	TC
470	DIS-ASSEMBLE GUN		
480	MAGNAFLUX	4/2/09	(N)
510	DRILL AND TAP	3-28-09	ST
500	ROLLMARK CALIBER	4/2/09	RT
520	GOFF BLAST BBL / REC	4-2	ST
530 & 540	APPLY COATINGS	4-3	
560	FINAL ASSEMBLY	4-13-09	RT
640	FUNCTION TEST AND	4-13-09	ST
650	TARGET	4-13-09	ST
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	4-13-09	RP
	A) HEADSPACE	PASS FAIL	4-14-09
	B) TRIGGER PULL	2.75 2.78 2.78 2.82 2.75	4-14-09
680	F) SAFETY ON FORCE	4.5 5 5	
	G) SAFETY OFF FORCE	3.5 3.5 3.5	
	I) FIRING PIN INDENT	.022 .022 .022	4-14-09
690	PACK	10/3/09	Em

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523458.___0
FILE DATE AND TIME: 04/14/2009 05:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.091
The Average Y Centroid of the Five Target Set:	0.016
The Average Point of Impact of the Five Target Set:	0.092
The Average Mean Radius of the Five Target Set:	0.640
The Distance from POA to Centroid Target #1:	0.111
The Distance from Centroid Target #2 to Centroid Target #1:	0.105
The Distance from Centroid Target #3 to Centroid Target #1:	0.151
The Distance from Centroid Target #4 to Centroid Target #1:	0.046
The Distance from Centroid Target #5 to Centroid Target #1:	0.098

SERIAL NUMBER: C6523458. __0

TARGET NUMBER: 1

FILE DATE: 04/14/2009

FILE TIME: 05:32

POINT#	X	Y
1:	-1.140	-1.085
2:	-0.516	-0.630
3:	-0.336	-0.059
4:	-0.051	-0.173
5:	0.011	0.069
6:	0.315	-0.212
7:	0.675	-0.123
8:	0.845	0.384
9:	0.003	0.549
10:	-0.786	1.793

X CENTROID: -0.098

Y CENTROID: 0.051

POA TO CENTROID: 0.111

HORZ SPREAD: 1.985

VERT SPREAD: 2.878

GROUP SPREAD: 2.900

MIN RADIUS: 0.110

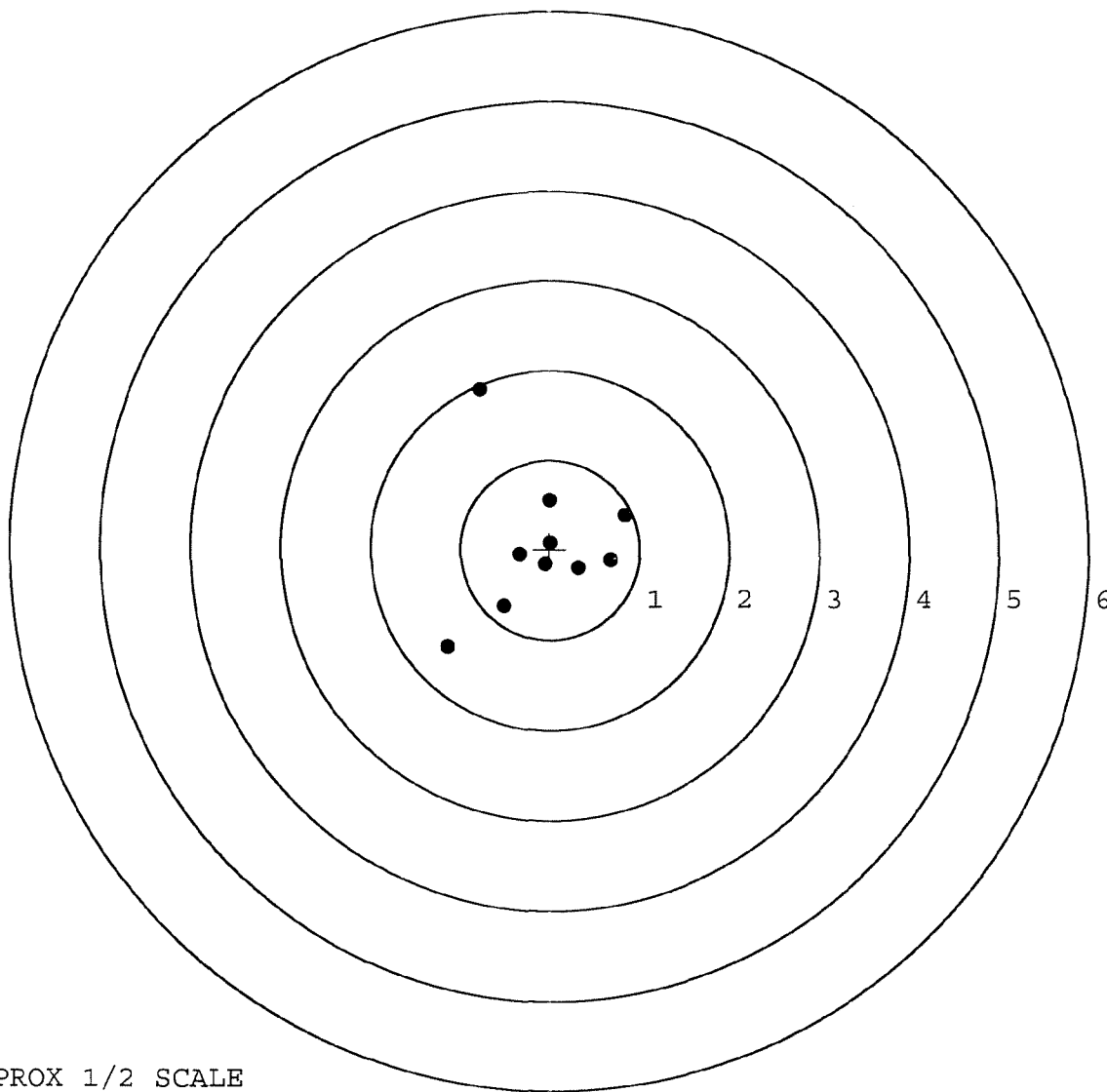
MAX RADIUS: 1.873

MEAN RADIUS: 0.761

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523458. __0

TARGET NUMBER: 2

FILE DATE: 04/14/2009

FILE TIME: 05:32

POINT#	X	Y
1:	0.912	-1.474
2:	0.106	-0.840
3:	0.521	-0.129
4:	0.395	0.177
5:	0.258	0.443
6:	-0.171	-0.043
7:	0.291	0.222
8:	-0.908	0.134
9:	-1.164	0.384
10:	-0.781	0.686

X CENTROID: -0.054

Y CENTROID: -0.044

POA TO CENTROID: 0.070

HORZ SPREAD: 2.076

VERT SPREAD: 2.160

GROUP SPREAD: 2.786

MIN RADIUS: 0.117

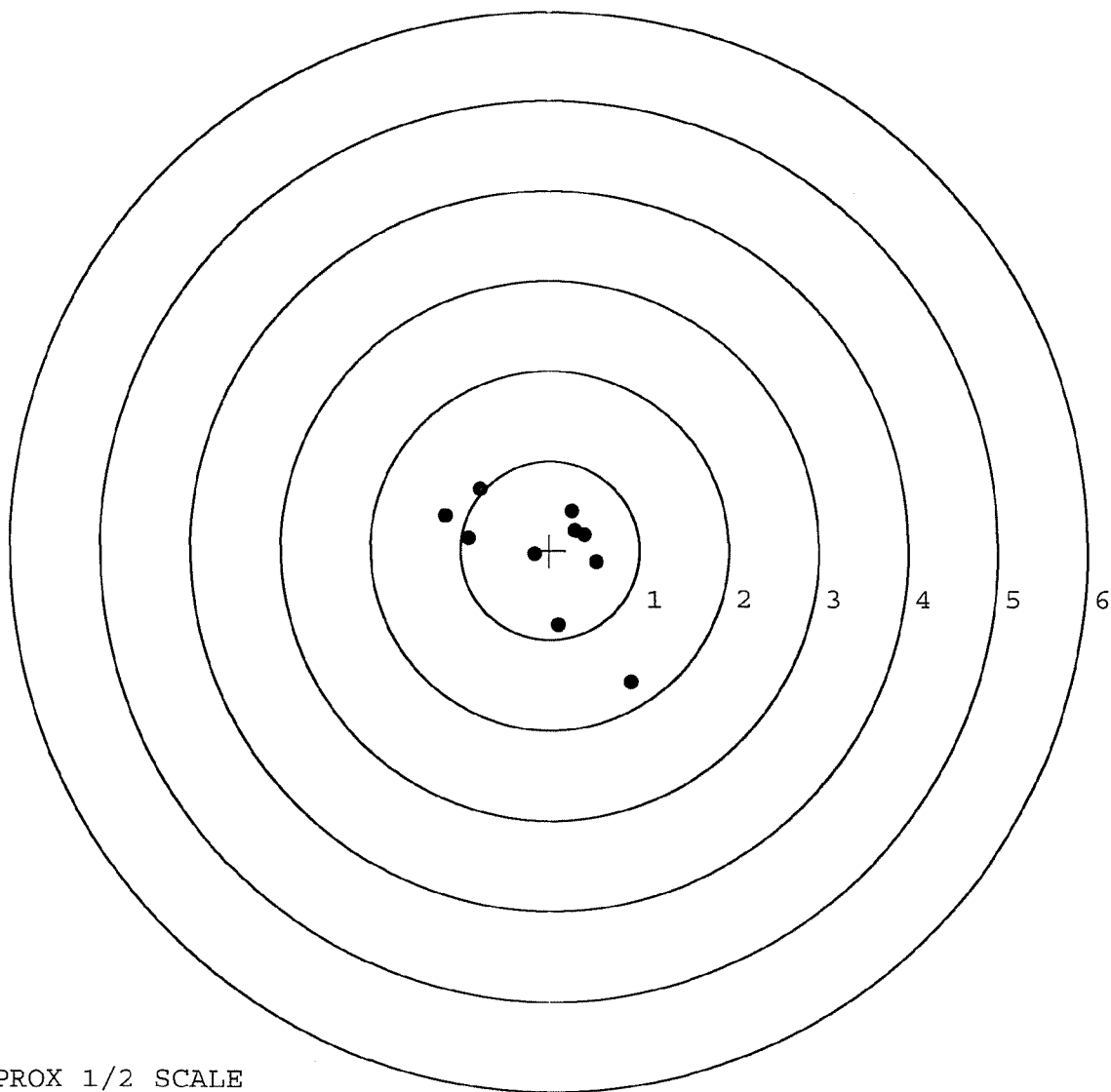
MAX RADIUS: 1.726

MEAN RADIUS: 0.784

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523458. __0

TARGET NUMBER: 3

FILE DATE: 04/14/2009

FILE TIME: 05:32

X CENTROID: -0.001

Y CENTROID: -0.064

POA TO CENTROID: 0.064

HORZ SPREAD: 1.314

VERT SPREAD: 0.633

GROUP SPREAD: 1.323

MIN RADIUS: 0.078

MAX RADIUS: 0.807

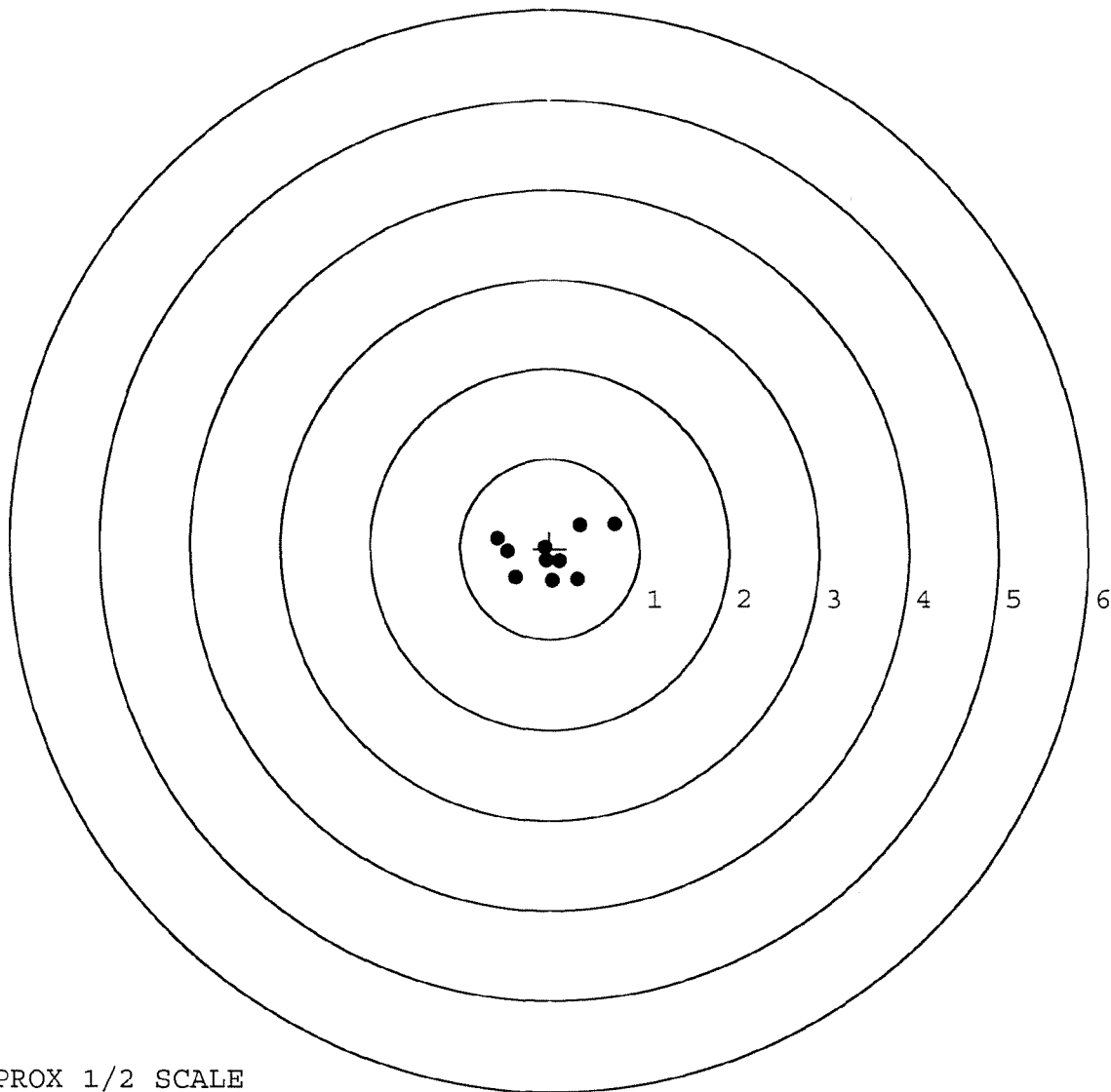
MEAN RADIUS: 0.385

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.310	-0.340
2:	0.032	-0.359
3:	0.109	-0.134
4:	-0.040	-0.132
5:	-0.384	-0.318
6:	-0.475	-0.028
7:	-0.582	0.116
8:	0.732	0.274
9:	0.345	0.266
10:	-0.058	0.016

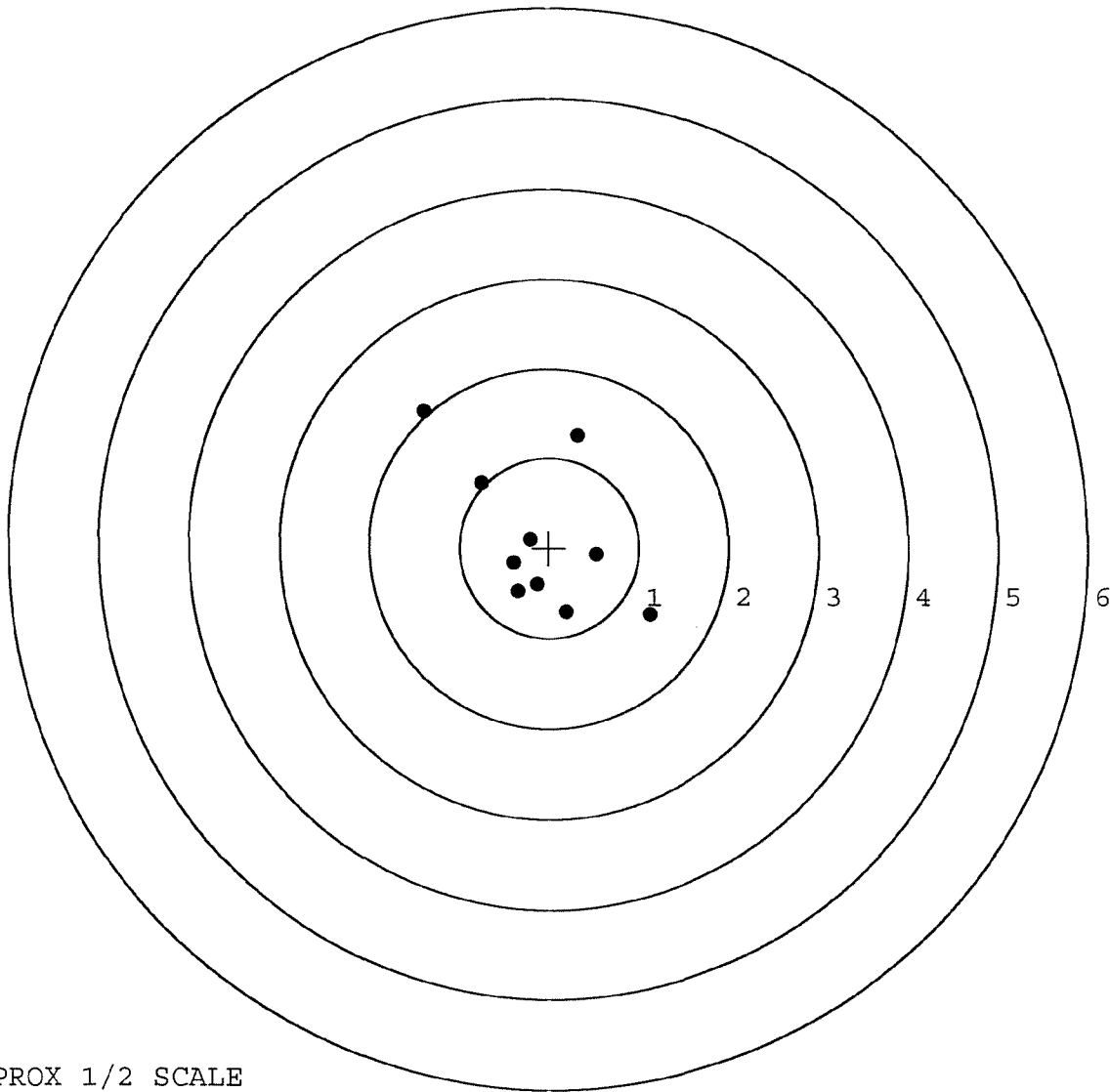


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523458. __0
TARGET NUMBER: 4
FILE DATE: 04/14/2009
FILE TIME: 05:32

POINT#	X	Y
1:	1.123	-0.745
2:	0.197	-0.715
3:	-0.352	-0.491
4:	-0.129	-0.409
5:	-0.398	-0.167
6:	-0.213	0.088
7:	0.530	-0.079
8:	0.331	1.252
9:	-0.755	0.718
10:	-1.389	1.516

X CENTROID: -0.106
Y CENTROID: 0.097
POA TO CENTROID: 0.143
HORZ SPREAD: 2.512
VERT SPREAD: 2.261
GROUP SPREAD: 3.380
MIN RADIUS: 0.108
MAX RADIUS: 1.914
MEAN RADIUS: 0.871
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523458. 0

TARGET NUMBER: 5

FILE DATE: 04/14/2009

FILE TIME: 05:32

POINT#	X	Y
1:	0.036	-0.319
2:	0.508	-0.163
3:	-0.213	-0.142
4:	-0.353	0.007
5:	0.035	0.195
6:	-0.076	0.682
7:	-1.086	0.508
8:	-0.307	-0.063
9:	-0.239	-0.147
10:	-0.260	-0.152

X CENTROID: -0.195

Y CENTROID: 0.041

POA TO CENTROID: 0.200

HORZ SPREAD: 1.594

VERT SPREAD: 1.001

GROUP SPREAD: 1.729

MIN RADIUS: 0.152

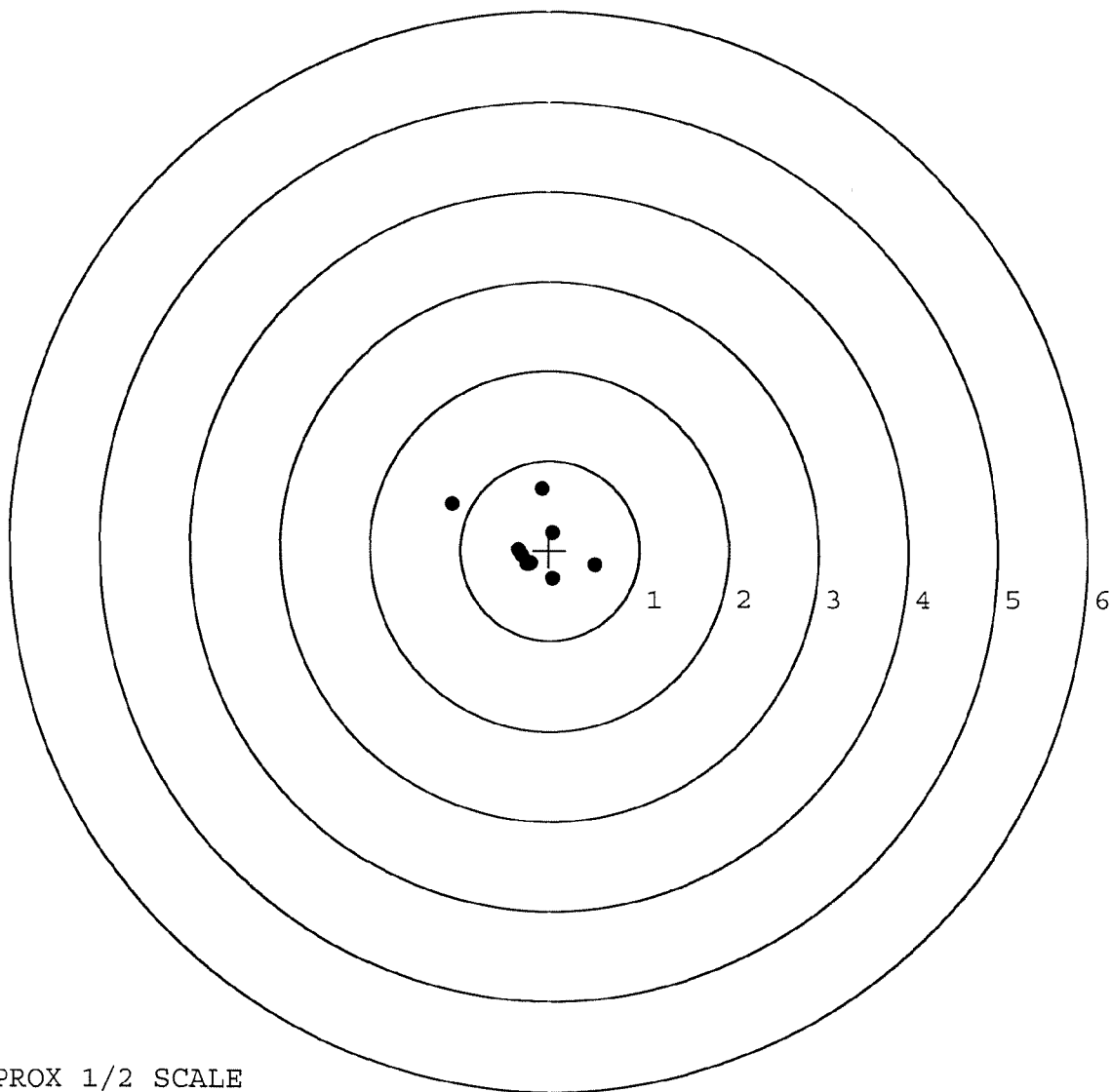
MAX RADIUS: 1.006

MEAN RADIUS: 0.399

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington[®]

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

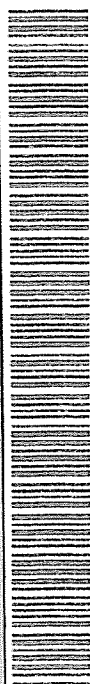
DUPONT

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

MODEL 700[™] M24

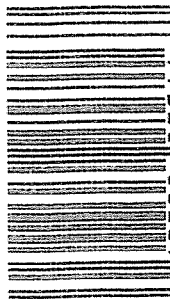
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO. C6520458	ORDER NO. 5716
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5716 C6520458

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523458

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KJ
600	Proof		10/2/90	KJ
607	Check Headspace		10/2/90	KJ
610	Dis-assemble Gun		10/2/90	KJ
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	SLB
617	Drill and Tap Sight Holes		10/8/90	KB
618	Polish Barrel RB		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/90	WB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4.0	3.3/4	3.3/4	11/7/90	KS		
	G) Safety Off Force	2 1/2	2 1/4	2 1/4	11/7/90	KS		
	H) Trigger Pull Test & Retainability				11/6/90	WB		
	I) Firing Pin Indent	.022	.023	.022	11/7/90	KS		
	J) Assemble Stock				11/8/90	KS		
	K) Assemble Swivel Studs				11-19-90	DH		
	L) Attach Front and Rear Sight Assemblies				11/8/90	KS		
	M) Iron Sight Alignment				11/8/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/8/90	KS		
	O) Attach Scope to Rifle				11/8/90	KS		
	P) Detach & Attach Scope 20 Times				11/8/90	KS		
640	Gallery Target & Test				11-9-90	A		
	A) Time				"	A		
	B) Malfunctions				"	A		
	C) Pierced Primers				"	A		
	D) Optical Clarity of Scope				"	A		
645	Inspect for Live Ammo				11-9-90	A		
655	Final Inspection							
	A) Headspace				11-19-90	DH		
	B) Trigger Pull	261	258	261	241	255	11-19-90	DH
	C) Function						11-19-90	DH
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523458
DATE 11/6/90
TESTER WAB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.60	2.49	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.55	2.51	2.58	
PULL #3	2.49	2.60	2.57	2.61	
PULL #4	2.46	2.55	2.57	2.41	
PULL #5	2.40	2.60	2.58	2.55	
TOTAL	12.49	12.90	12.72		
AVG.	2.50	2.58	2.54		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	2.95		
PULL #2	3.08	2.96		
PULL #3	3.05	3.01		
PULL #4	3.04	3.00		
PULL #5	3.01	3.00		
TOTAL	15.28	14.92		
AVG.	3.06	2.98		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.16		4.00
PULL #2	4.15	4.00		3.90
PULL #3	4.11	4.05		3.95
PULL #4	4.01	4.04		4.00
PULL #5	4.14	4.19		3.90
TOTAL	20.58	20.44		19.75
AVG.	4.12	4.09		3.95

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523458
9 Nov 1990

CENTROIDAL DISTANCES

0	TO	1	.217442
1	TO	2	.28493
1	TO	3	.369005
1	TO	4	.478759
1	TO	5	.177553

$\frac{1}{5}$ <----POA

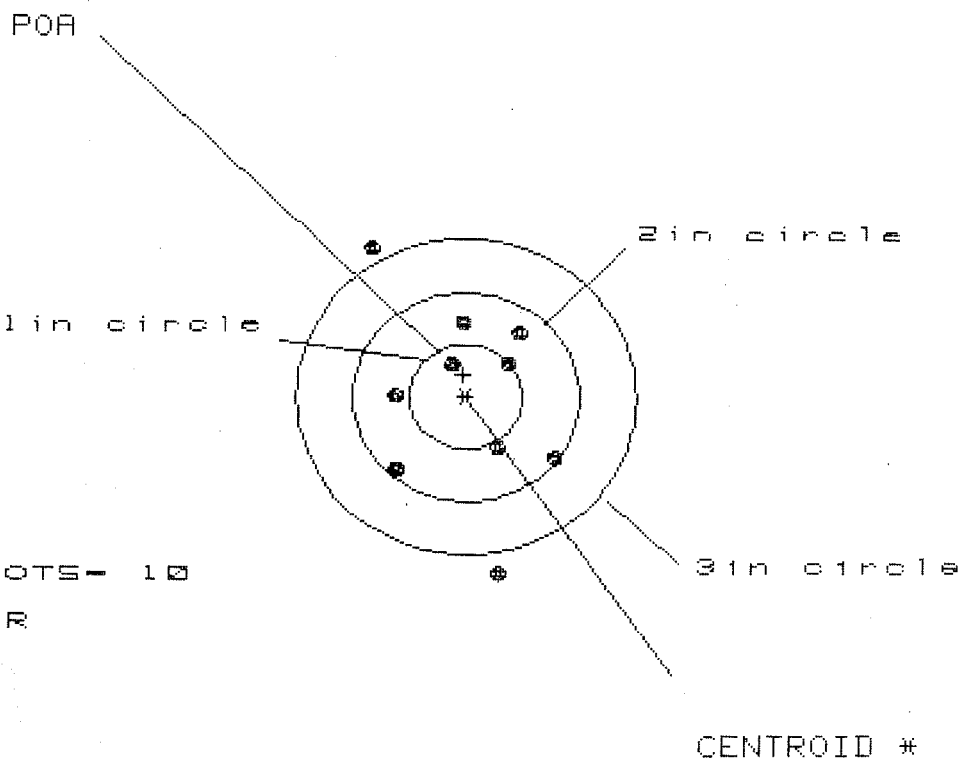
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0488
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0505537

THE AMR FOR THIS RIFLE IS: .9644

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523458

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 8

3in = 8

HS = 1.562

VS = 3.056

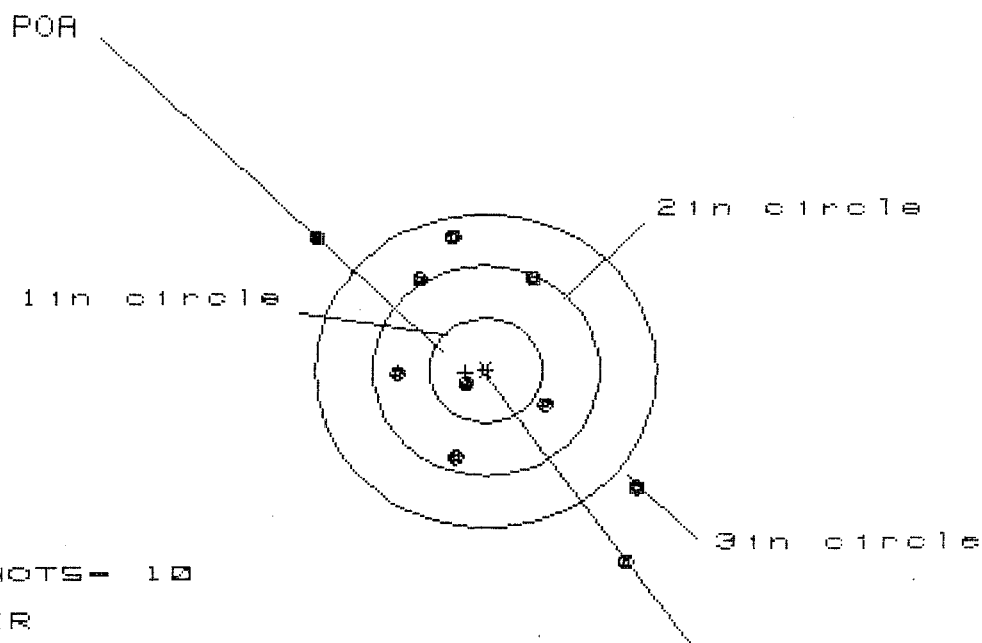
GS = 3.249

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.766	.800	.704
MINIMUM X	:	-.796	-.762	-.697
MAXIMUM Y	:	1.385	1.200	.676
MINIMUM Y	:	-1.671	-.842	-.693
CENTROID X	:	.025	-.009	.087
CENTROID Y	:	-.216	-.031	-.181
POA TO CENTROID in.	:	.218	.032	.200
MIN RADIUS	:	.378	.205	.362
MEAN RADIUS	:	.860	.737	.655
MAX RADIUS	:	1.699	1.421	.945
HORIZONTAL SPREAD	:	1.562	1.562	1.401
VERTICAL SPREAD	:	3.056	2.042	1.369
EXTREME SPREAD	:	3.249	2.492	1.635
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	8		

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523458

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 7

HS = 2.791

VS = 3.166

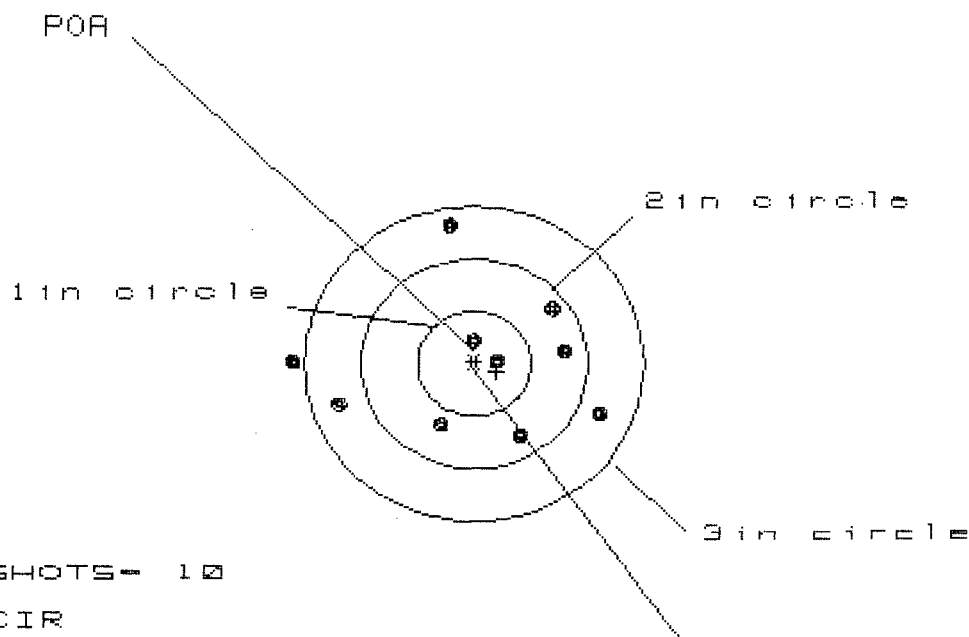
GS = 4.140

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.318	1.451	1.283
MINIMUM X	:	-1.473	-1.340	-.824
MAXIMUM Y	:	1.298	1.091	1.204
MINIMUM Y	:	-1.868	-1.348	-1.212
CENTROID X	:	.177	.044	.212
CENTROID Y	:	.025	.232	.096
POA TO CENTROID in.	:	.179	.236	.233
MIN RADIUS	:	.202	.317	.273
MEAN RADIUS	:	1.168	1.035	.942
MAX RADIUS	:	2.217	1.980	1.765
HORIZONTAL SPREAD	:	2.791	2.791	2.107
VERTICAL SPREAD	:	3.166	2.439	2.416
EXTREME SPREAD	:	4.140	3.707	2.875
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523458

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.715

VS= 2.012

GS= 2.751

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	.965	.914
MINIMUM X	:	-1.575	-1.333	-1.384
MAXIMUM Y	:	1.296	1.295	.650
MINIMUM Y	:	-.716	-.717	-.555
CENTROID X	:	-.198	-.023	.028
CENTROID Y	:	.078	.079	-.082
POA TO CENTROID in.	:	.213	.083	.087
MIN RADIUS	:	.212	.071	.154
MEAN RADIUS	:	.888	.776	.701
MAX RADIUS	:	1.575	1.376	1.395
HORIZONTAL SPREAD	:	2.715	2.298	2.298
VERTICAL SPREAD	:	2.012	2.012	1.206
EXTREME SPREAD	:	2.751	2.301	2.301
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523458

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.444

VS= 2.121

GS= 3.777

CENTROID *

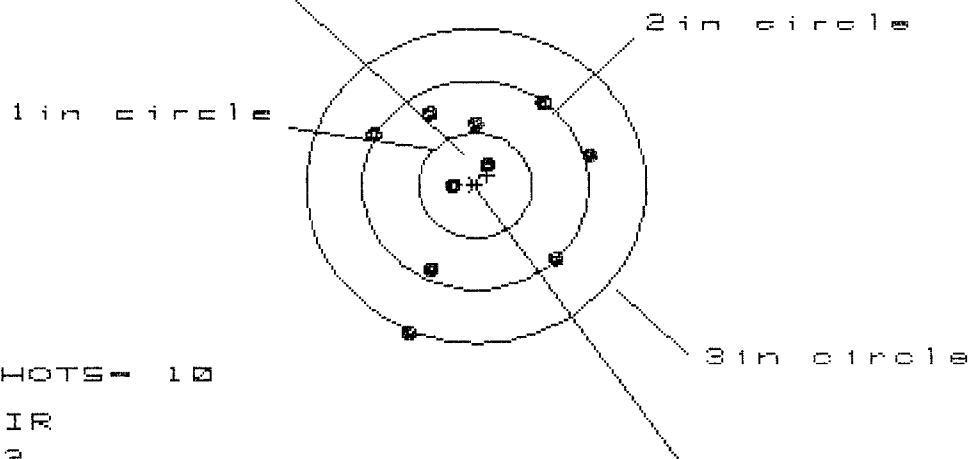
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.109	.850	.593
MINIMUM X	:	-2.335	-2.053	-.900
MAXIMUM Y	:	1.229	1.158	1.168
MINIMUM Y	:	-.892	-.963	-.953
CENTROID X	:	.344	.603	.860
CENTROID Y	:	.141	.212	.202
POA TO CENTROID in.	:	.371	.639	.883
MIN RADIUS	:	.233	.320	.250
MEAN RADIUS	:	1.073	.866	.662
MAX RADIUS	:	2.420	2.054	1.245
HORIZONTAL SPREAD	:	3.444	2.903	1.493
VERTICAL SPREAD	:	2.121	2.121	2.121
EXTREME SPREAD	:	3.777	2.947	2.228
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523458

CENTERFIRE PATTERNS # 5

POA



OF SHOTS - 10

IN CIR

1in - 2

2in - 8

3in - 9

HS - 1.882

VS - 2.243

GS - 2.513

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.017	.952	.735
MINIMUM X	:	-.865	-.930	-.810
MAXIMUM Y	:	.796	.636	.647
MINIMUM Y	:	-1.447	-.994	-.983
CENTROID X	:	-.104	-.039	-.159
CENTROID Y	:	-.094	.066	.055
POA TO CENTROID in.	:	.140	.077	.168
MIN RADIUS	:	.170	.116	.220
MEAN RADIUS	:	.833	.719	.685
MAX RADIUS	:	1.558	1.113	1.141
HORIZONTAL SPREAD	:	1.882	1.882	1.546
VERTICAL SPREAD	:	2.243	1.630	1.630
EXTREME SPREAD	:	2.513	1.969	1.969
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	