

C6349181

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: **RE00112584** Serial: C6349181 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Produced: 06/19/1990 Repairman: Status: Closed 5/19/2006 9:46:52 AM

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From: ☐

Name: **TRANSPOTATION OFFICER** **TRANSPOTATION OFFICER**

Address 1: **ANNISTON ARMY DEPOT** **ANNISTON ARMY DEPOT**

Address 2: **EXIT BYNUM AL 36253** PO Box: **EXIT BYNUM AL 36253** PO Box:

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201** Country: **US** State: **AL** Zip Code: **36201** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone: **NA**

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
A026	Scope	1
A057	Frt and Rear Sgt Base	1
C000	SCOPE CASE	1

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

naglel 5/23/2006 7:25 AM C&PS NUM INS SCPL

start 2 Mic... Microsof... 2 Inter... Part Sea... Arms Se... 7:25 AM

Serial Number: **C6349181**

Model: **M24 SWS**



RE00112584

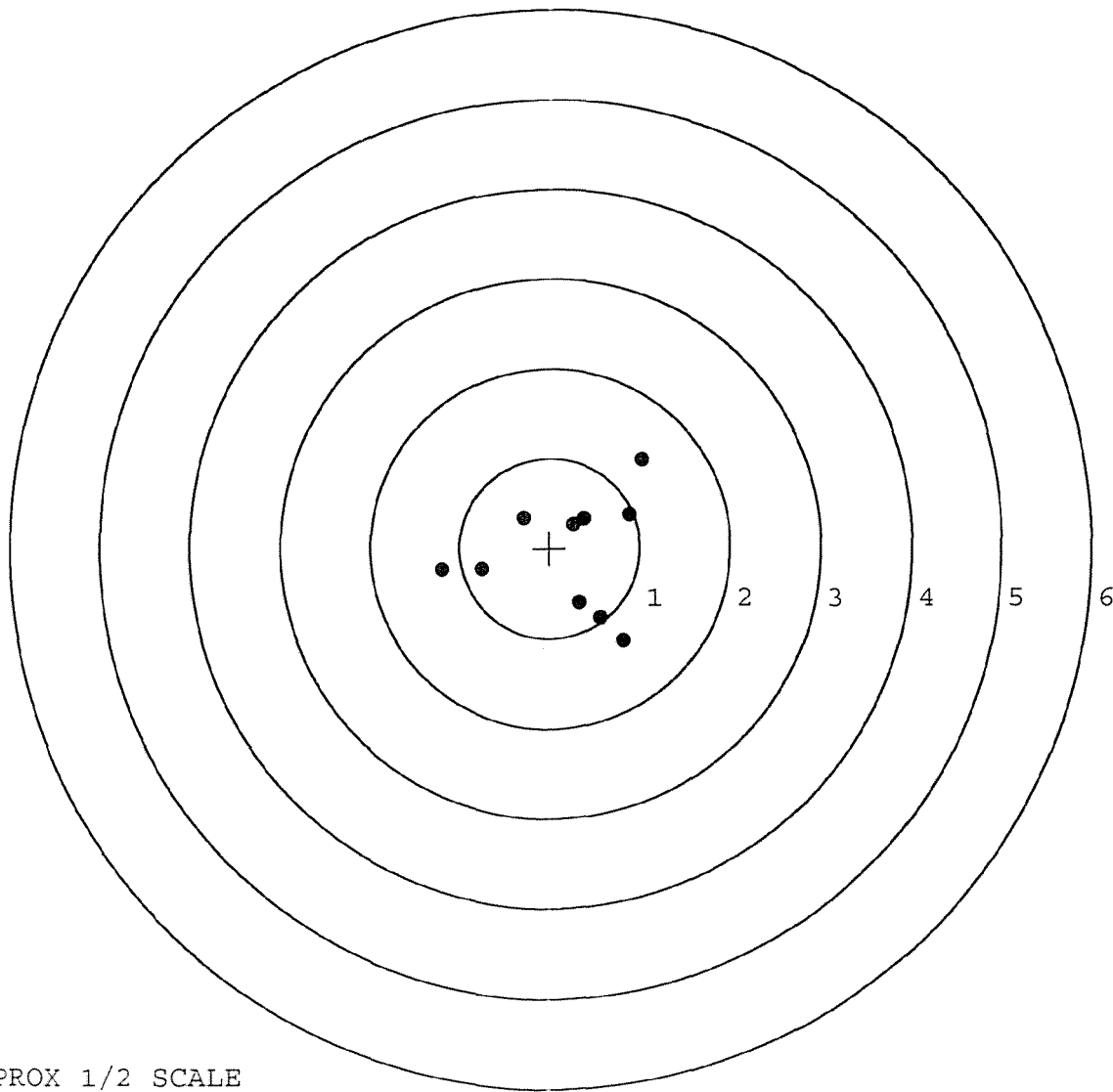
SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349181.___0
FILE DATE AND TIME: 06/09/2006 17:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.061
The Average Y Centroid of the Five Target Set:	0.031
The Average Point of Impact of the Five Target Set:	0.068
The Average Mean Radius of the Five Target Set:	0.826
The Distance from POA to Centroid Target #1:	0.211
The Distance from Centroid Target #2 to Centroid Target #1:	0.146
The Distance from Centroid Target #3 to Centroid Target #1:	0.323
The Distance from Centroid Target #4 to Centroid Target #1:	0.102
The Distance from Centroid Target #5 to Centroid Target #1:	0.380

SERIAL NUMBER: C6349181. __0	POINT#	X	Y
TARGET NUMBER: 1	1:	-1.196	-0.251
FILE DATE: 06/09/2006	2:	-0.749	-0.237
FILE TIME: 17:12	3:	0.327	-0.607
	4:	0.560	-0.777
X CENTROID: 0.202	5:	0.816	-1.033
Y CENTROID: -0.064	6:	-0.287	0.335
POA TO CENTROID: 0.211	7:	0.265	0.254
HORZ SPREAD: 2.216	8:	0.378	0.326
VERT SPREAD: 2.017	9:	0.881	0.368
GROUP SPREAD: 2.537	10:	1.020	0.984
MIN RADIUS: 0.324			
MAX RADIUS: 1.410			
MEAN RADIUS: 0.840			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0109563

SERIAL NUMBER: C6349181. __0

TARGET NUMBER: 2

FILE DATE: 06/09/2006

FILE TIME: 17:12

POINT#	X	Y
1:	-0.856	1.186
2:	0.162	1.300
3:	-0.370	0.348
4:	0.092	0.100
5:	0.246	-0.003
6:	0.469	-0.219
7:	-0.337	-0.603
8:	-0.583	-1.168
9:	0.696	-0.756
10:	1.161	-0.227

X CENTROID: 0.068

Y CENTROID: -0.004

POA TO CENTROID: 0.068

HORZ SPREAD: 2.017

VERT SPREAD: 2.468

GROUP SPREAD: 2.486

MIN RADIUS: 0.107

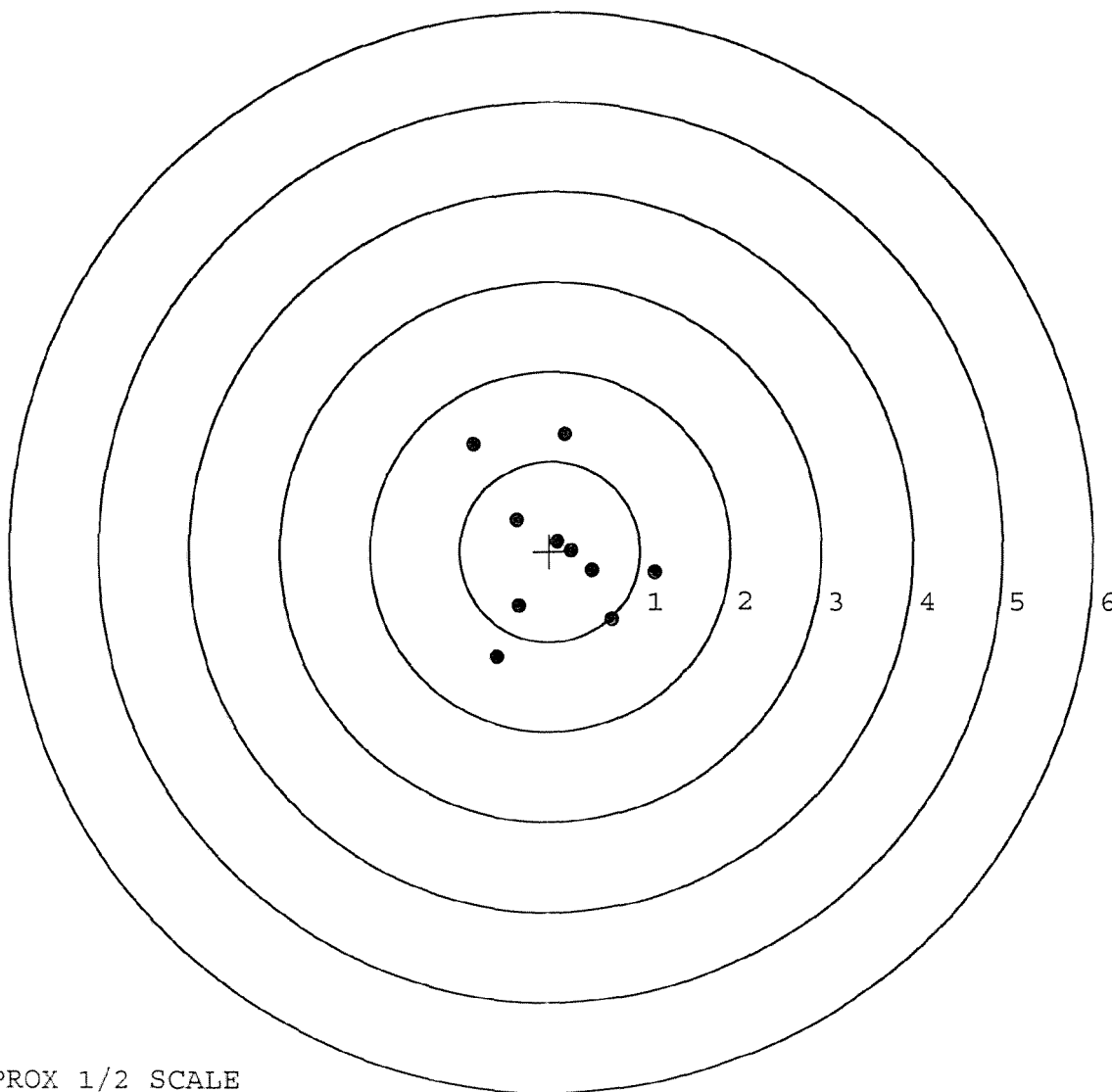
MAX RADIUS: 1.507

MEAN RADIUS: 0.827

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



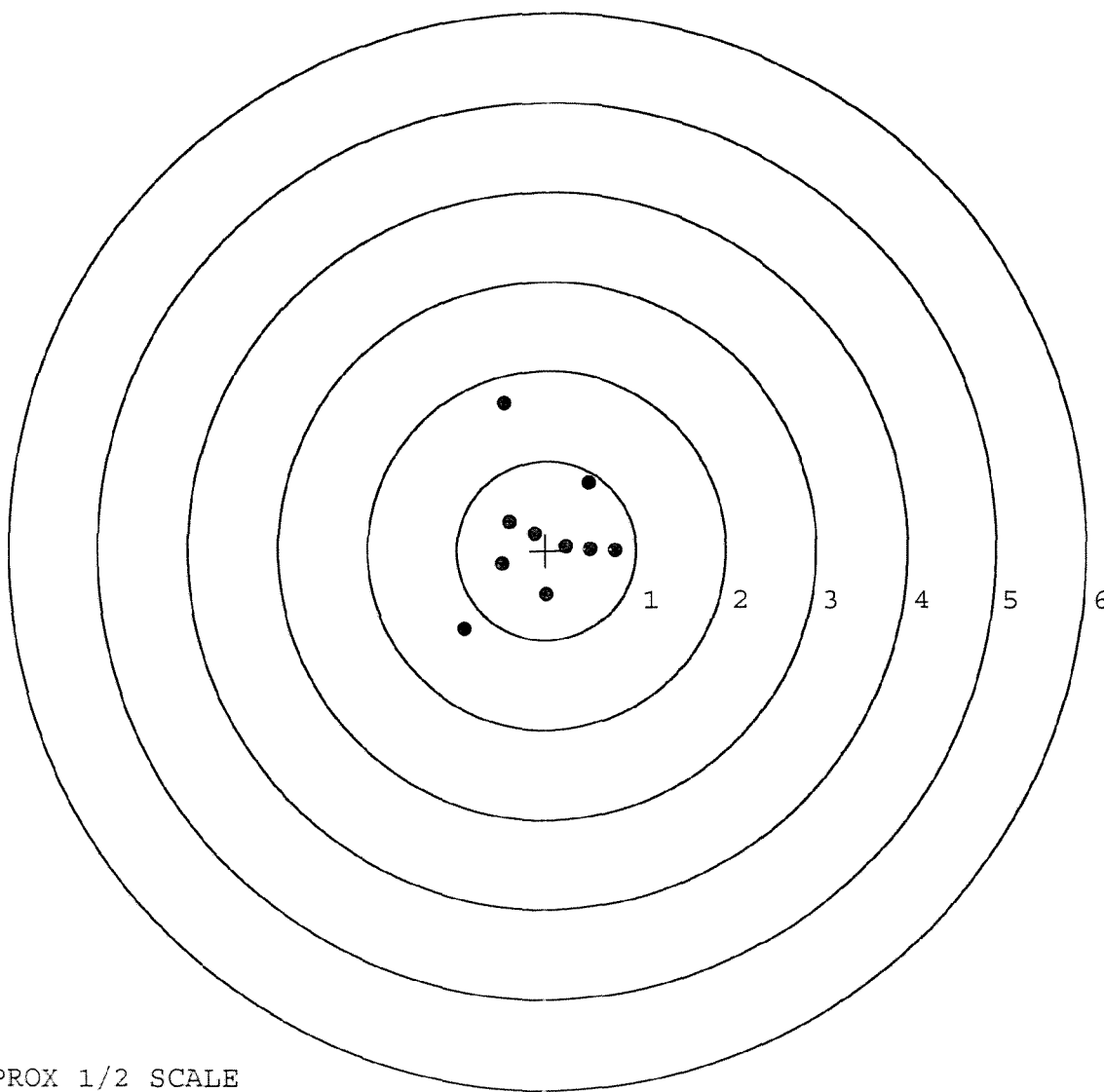
TARGET APPROX 1/2 SCALE

BARBER - M24 0109564

SERIAL NUMBER: C6349181. __0
 TARGET NUMBER: 3
 FILE DATE: 06/09/2006
 FILE TIME: 17:12

POINT#	X	Y
1:	-0.475	1.640
2:	0.467	0.747
3:	-0.911	-0.882
4:	-0.004	-0.498
5:	-0.488	-0.159
6:	-0.416	0.315
7:	-0.134	0.189
8:	0.220	0.043
9:	0.489	0.010
10:	0.769	0.006

X CENTROID: -0.048
 Y CENTROID: 0.141
 POA TO CENTROID: 0.149
 HORZ SPREAD: 1.680
 VERT SPREAD: 2.522
 GROUP SPREAD: 2.559
 MIN RADIUS: 0.098
 MAX RADIUS: 1.558
 MEAN RADIUS: 0.704
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. __ 0

TARGET NUMBER: 4

FILE DATE: 06/09/2006

FILE TIME: 17:12

POINT#	X	Y
1:	-0.836	-0.341
2:	-0.293	-0.522
3:	0.073	-0.836
4:	0.880	-0.812
5:	0.092	-1.973
6:	0.679	-0.018
7:	1.238	0.710
8:	-0.011	0.635
9:	0.019	0.891
10:	-0.501	0.863

X CENTROID: 0.134

Y CENTROID: -0.140

POA TO CENTROID: 0.194

HORZ SPREAD: 2.074

VERT SPREAD: 2.864

GROUP SPREAD: 2.917

MIN RADIUS: 0.559

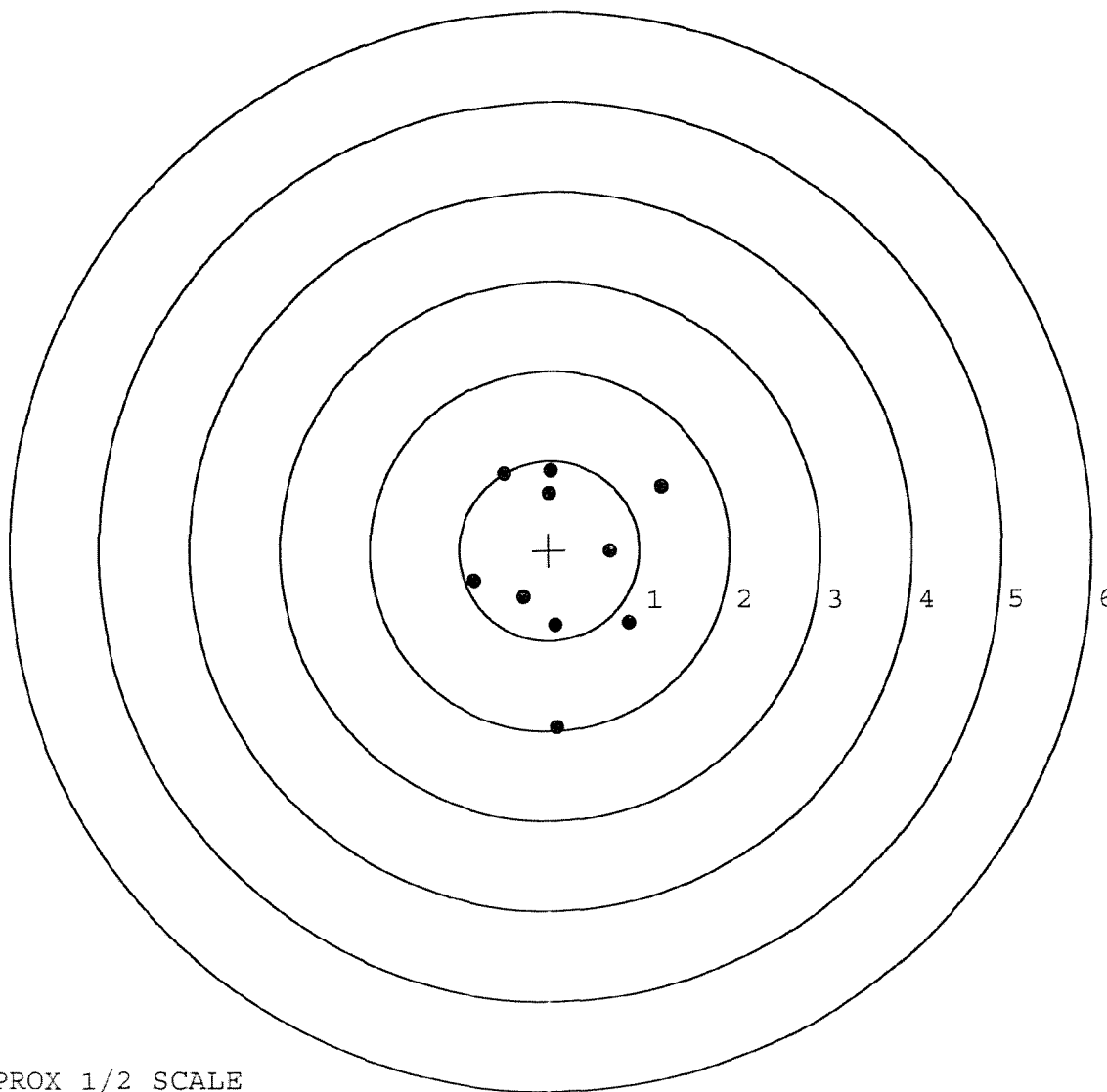
MAX RADIUS: 1.833

MEAN RADIUS: 1.006

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. 0

TARGET NUMBER: 5

FILE DATE: 06/09/2006

FILE TIME: 17:12

POINT#	X	Y
1:	-0.322	1.037
2:	-0.046	0.922
3:	0.201	0.637
4:	0.219	0.803
5:	0.095	1.330
6:	-0.798	0.085
7:	-0.341	-0.488
8:	0.063	-0.278
9:	-0.023	-0.640
10:	-0.048	-0.398
11:	0.434	-0.587

X CENTROID: -0.051

Y CENTROID: 0.220

POA TO CENTROID: 0.226

HORZ SPREAD: 1.232

VERT SPREAD: 1.970

GROUP SPREAD: 1.974

MIN RADIUS: 0.487

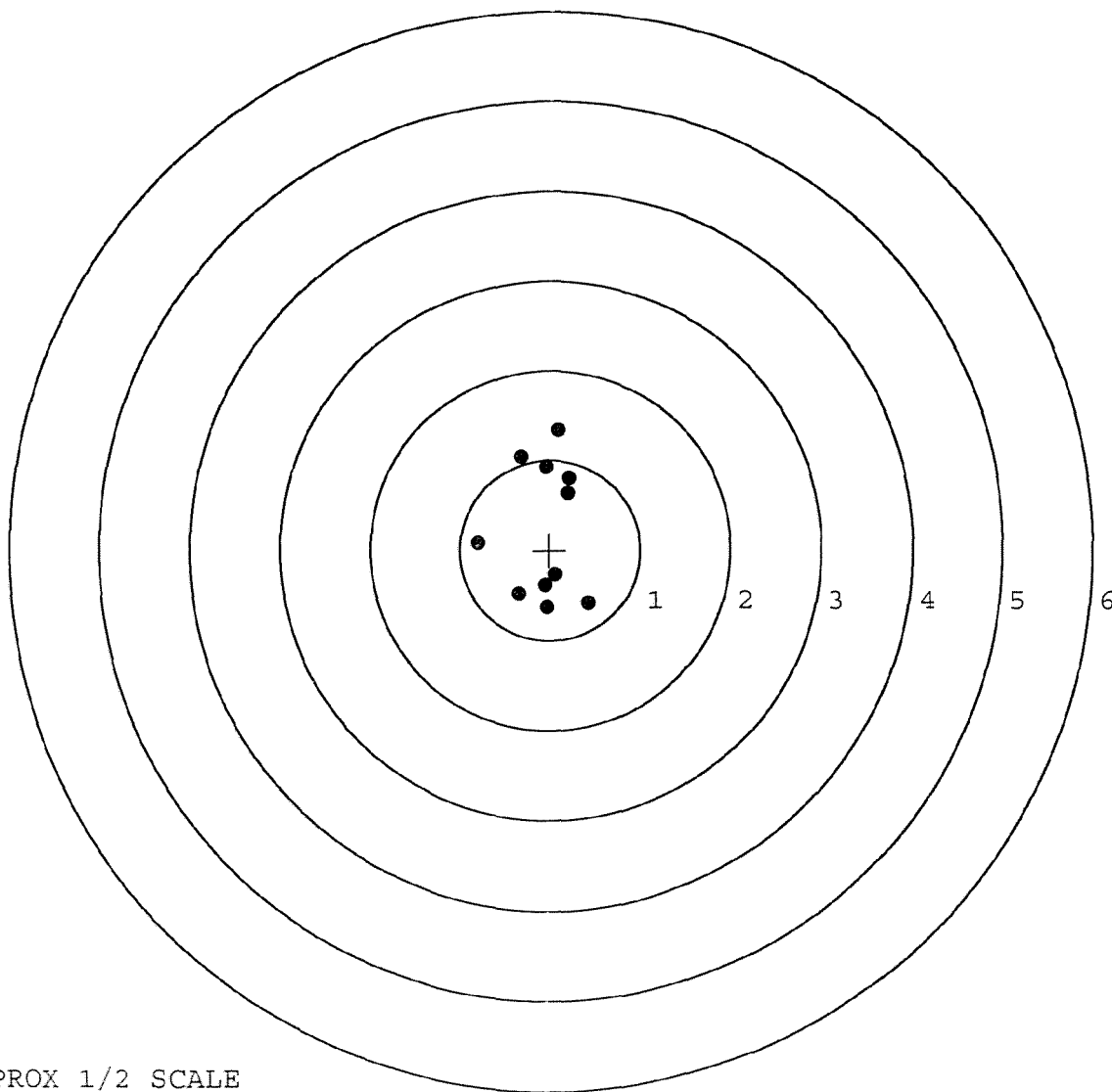
MAX RADIUS: 1.119

MEAN RADIUS: 0.752

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 11



TARGET APPROX 1/2 SCALE

R & E NUMBER	112584			
SERIAL NUMBER	C6349181			
LOG-IN DATE	5-19-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-31-06	RTZ
505	RE-BARREL		6-1-06	RTZ
560	ASSEMBLE		6-1-06	RTZ
600	PROOF	MAGNA-FLUX	6-1-06	TRW
605	CHECK HEADSPACE	INSPECTED	6-1-06	TRW
610	DIS-ASSEMBLE GUN	JUN 15 2006	6-2-06	RTZ
612	MAGNAFLUX	OPERATOR APD	6-3-06	APD
510	DRILL AND TAP		6-2-06	TRW
615	ROLLMARK CALIBER		6-2-06	CW
618	ROTO-BLAST		6-5-06	LB
620	APPLY COATINGS		6-7-06	TRW
625	FINAL ASSEMBLY		6-8-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-9-06	MTM
650	TARGET	PASS FAIL	6-9-06	MTM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-22-06	MTM
	A) HEADSPACE	PASS FAIL	6-22-06	MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6 lbs 6 lbs 6 lbs 6-22-06	MTM
	G) SAFETY OFF FORCE	2 LBS MIN	5 lbs 3 lbs 3 lbs 6-22-06	MTM
	I) FIRING PIN INDENT	.020	.022 .023 .022 6-22-06	MTM
690	PACK		7-7-06	RTZ

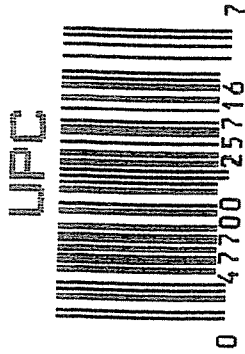
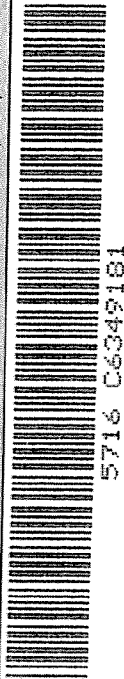
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

Remington® **DUPONT**
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.

SERIAL NO. C6349181	ORDER NO. 5716
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CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349181

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		SA
617	Drill and Tap Sight Holes		4/23/90	KB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4-30-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/90	JU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4		4		4	5/9/90	gpl.
	G) Safety Off Force	3		3		3	5/9/90	gpl.
	H) Trigger Pull Test & Retainability						5/9/90	gpl.
	I) Firing Pin Indent	.022		.0225		.0215	5/9/90	gpl.
	J) Assemble Stock						5/14/90	Rw
	K) Assemble Swivel Studs						5/16/90	WB
	L) Attach Front and Rear Sight Assemblies						5/14/90	Rw
	M) Iron Sight Alignment						5/14/90	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/14/90	Rw
	O) Attach Scope to Rifle						5/14/90	gpl.
	P) Detach & Attach Scope 20 Times						5/14/90	gpl.
640	Gallery Target & Test						5-14-90	AC
	A) Time						5-14-90	AC
	B) Malfunctions						5-14-90	AC
	C) Pierced Primers						5-14-90	AC
	D) Optical Clarity of Scope						5-14-90	AC
645	Inspect for Live Ammo						5-14-90	AC
655	Final Inspection						5/15/90	WB
	A) Headspace						5/15/90	WB
	B) Trigger Pull	2.32	2.21	2.32	2.32	2.34	5/15/90	WB
	C) Function						5/16/90	WB
660	Pack						6-19-90	gpl.

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06349181

DATE 5/9/90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.27	2.42	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.40	2.30	2.21	
PULL #3	2.42	2.46	2.35	2.32	
PULL #4	2.38	2.44	2.41	2.32	
PULL #5	2.30	2.50	2.32	2.34	
TOTAL	11.75	12.07	11.80		
AVG.	2.35	2.414	2.36		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.36		
PULL #2	3.29	3.29		
PULL #3	3.33	3.26		
PULL #4	3.13	3.37		
PULL #5	3.23	3.31		
TOTAL	16.23	16.59		
AVG.	3.246	3.318		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.30		4.23
PULL #2	4.17	4.26		4.30
PULL #3	4.20	4.25		4.37
PULL #4	4.29	4.23		4.35
PULL #5	4.30	4.27		4.30
TOTAL	21.30	21.31		21.55
AVG.	4.26	4.262		4.31

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349181
15 May 1990

CENTROIDAL DISTANCES

0 TO	1	.153639
1 TO	2	.115521
1 TO	3	.0840536
1 TO	4	.178877
1 TO	5	.252982

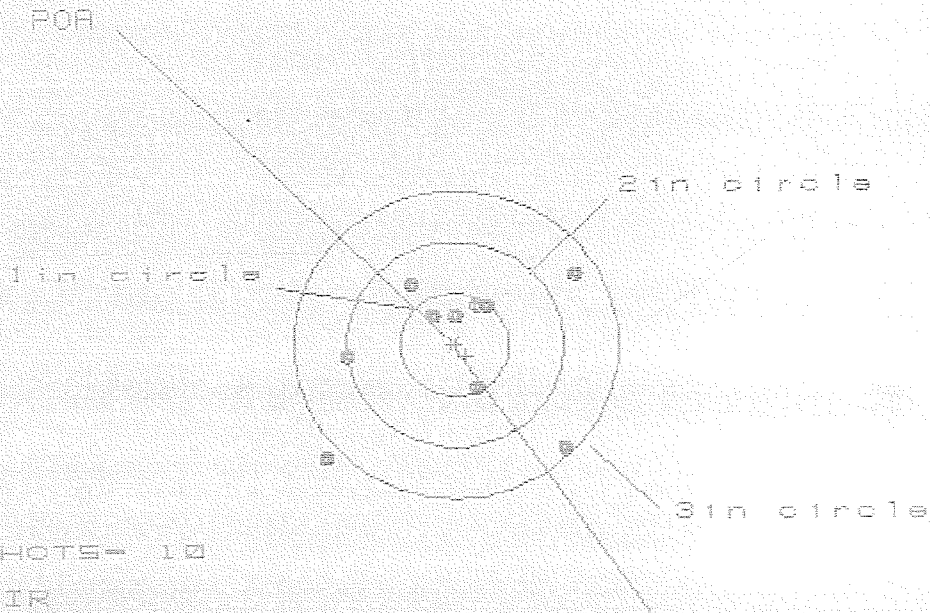
4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121295
THE AMR FOR THIS RIFLE IS: .8588

14 May 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C63491B1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.324

VS= 1.761

GS= 2.916

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	.990	1.100
MINIMUM X	-1.201	-1.173	-1.063
MAXIMUM Y	.695	.566	.430
MINIMUM Y	-1.076	-1.089	-.700
CENTROID X	-.103	.030	-.080
CENTROID Y	.114	.233	.369
POA TO CENTROID in.	.154	.235	.378
MIN RADIUS	.274	.198	.023
MEAN RADIUS	.815	.693	.549
MAX RADIUS	1.612	1.401	1.181
HORIZONTAL SPREAD	2.324	2.163	2.163
VERTICAL SPREAD	1.761	1.655	1.130
EXTREME SPREAD	2.916	2.302	2.302
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C83491B1

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.068

VS= 2.198

GS= 2.359

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.049	1.094	1.044
MINIMUM X	:	-1.019	-.974	-.838
MAXIMUM Y	:	.874	.726	.746
MINIMUM Y	:	-1.324	-.882	-.862
CENTROID X	:	.005	-.040	-.176
CENTROID Y	:	.155	.303	.283
POA TO CENTROID in.	:	.155	.305	.334
MIN RADIUS	:	.208	.060	.164
MEAN RADIUS	:	.823	.733	.675
MAX RADIUS	:	1.385	1.105	1.047
HORIZONTAL SPREAD	:	2.068	2.068	1.882
VERTICAL SPREAD	:	2.198	1.608	1.508
EXTREME SPREAD	:	2.359	2.077	1.883
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 May 1990

FILE: \PATTERNING\CENTERFIRE_PATT\08349101

CENTERFIRE PATTERNS # 3

FOR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in - 10

HS= 1.921

VS= 2.000

GS= 2.280

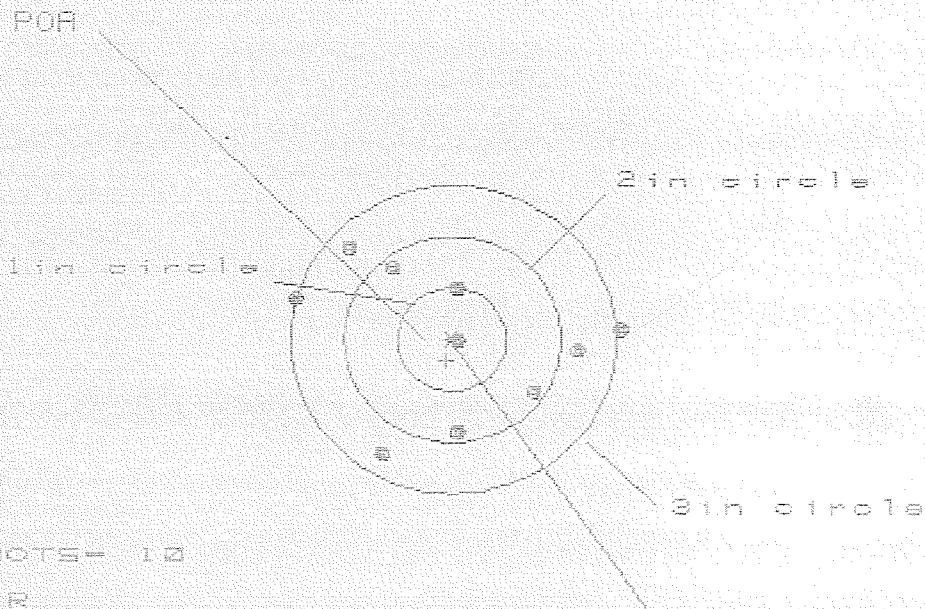
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.766	.676	.520
MINIMUM X	-1.155	-1.245	-.999
MAXIMUM Y	1.074	1.034	.963
MINIMUM Y	-1.006	-.887	-.958
CENTROID X	-.034	.056	.212
CENTROID Y	.162	.043	.114
FOR TO CENTROID in.	.166	.071	.241
MIN RADIUS	.391	.285	.143
MEAN RADIUS	.909	.824	.695
MAX RADIUS	1.350	1.368	1.256
HORIZONTAL SPREAD	1.921	1.921	1.519
VERTICAL SPREAD	2.000	1.921	1.921
EXTREME SPREAD	2.280	2.072	2.000
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C83491B1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.936

VS= 2.044

GS= 2.953

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.530	1.283	1.128
MINIMUM X	-1.405	-1.235	-.922
MAXIMUM Y	.890	.901	.953
MINIMUM Y	-1.154	-1.143	-1.091
CENTROID X	.051	-.119	.036
CENTROID Y	.205	.194	.142
POA TO CENTROID in.	.211	.228	.146
MIN RADIUS	.056	.215	.116
MEAN RADIUS	1.009	.961	.895
MAX RADIUS	1.533	1.305	1.326
HORIZONTAL SPREAD	2.936	2.518	2.050
VERTICAL SPREAD	2.044	2.044	2.044
EXTREME SPREAD	2.953	2.579	2.298
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

14 May 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C83491B1

CENTERFIRE PATTERNS # 5

FOR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.989

VS= 2.422

GS= 2.504

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	.622	.629
MINIMUM X	-.724	-.583	-.576
MAXIMUM Y	1.329	1.271	.968
MINIMUM Y	-1.093	-1.151	-.992
CENTROID X	.105	-.036	-.043
CENTROID Y	-.030	.020	-.131
FOR TO CENTROID in	.109	.046	.130
MIN RADIUS	.134	.147	.114
MEAN RADIUS	.739	.660	.576
MAX RADIUS	1.370	1.290	1.147
HORIZONTAL SPREAD	1.989	1.205	1.205
VERTICAL SPREAD	2.422	2.422	1.960
EXTREME SPREAD	2.504	2.504	1.983
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		