

C6587634

MODEL 700TM M24

Model **SMS** TM

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: **RE00092906** Serial: C6587634 Model: M24 SWS Center Fire
 Caliber: 7.62 NATO Produced: 12/19/1990

Repairman: Status: Closed 2/10/2005 11:39:10 AM

Verify Repair: [REDACTED]

Address Information

Customer: ☒ Received From: Return to: ☐ Received From:

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: [REDACTED]

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
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

logoff 2/14/2005 9:23 AM CAPS NUM INS SCPL

start 5 2 4 Arms Services

Serial Number: **C6587634**

Model: **M24 SWS**



RE00092906

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587634.___0
FILE DATE AND TIME: 07/05/2005 08:25

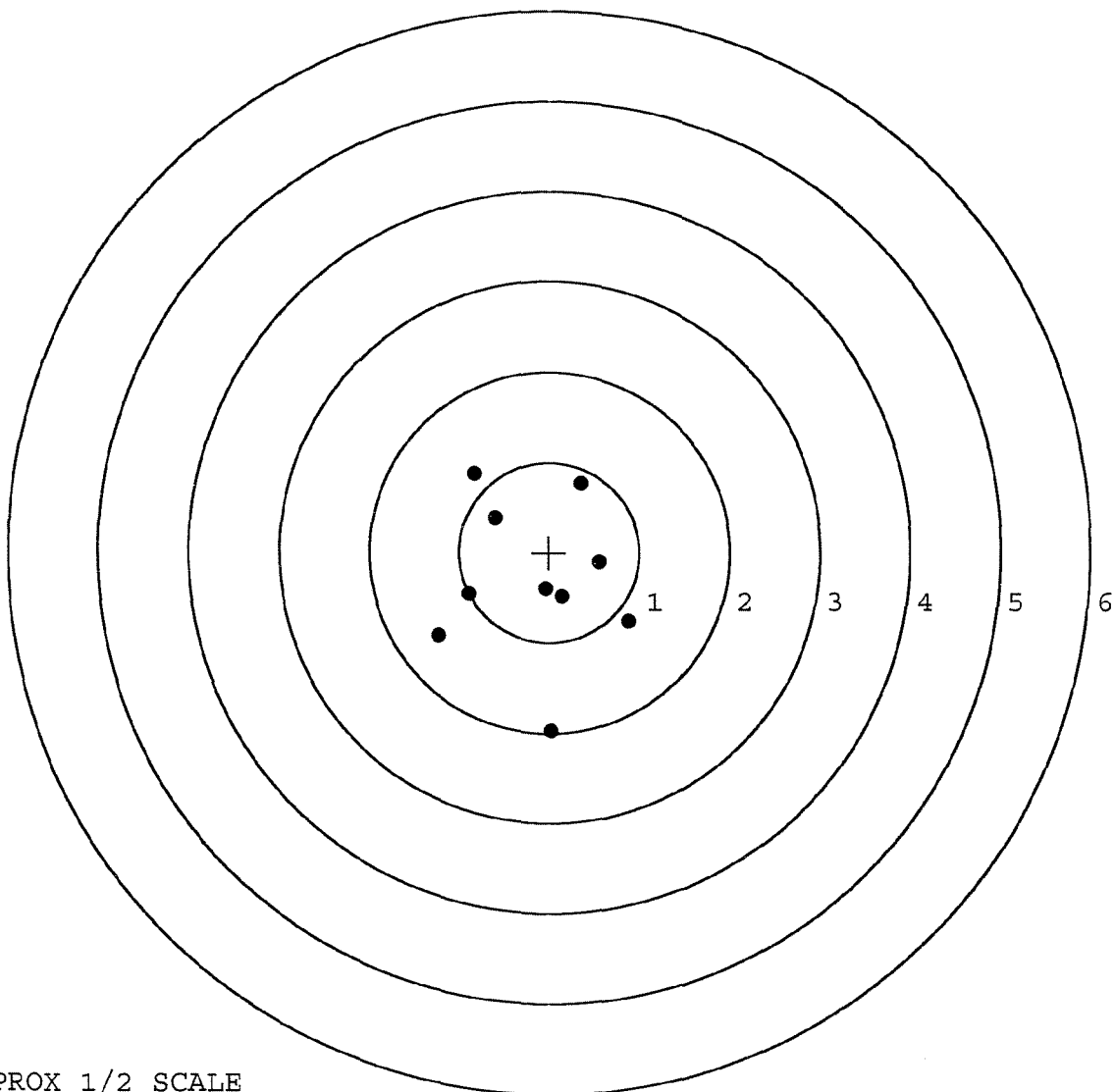
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.249
The Average Y Centroid of the Five Target Set:	-0.108
The Average Point of Impact of the Five Target Set:	0.272
The Average Mean Radius of the Five Target Set:	1.139
The Distance from POA to Centroid Target #1:	0.354
The Distance from Centroid Target #2 to Centroid Target #1:	0.333
The Distance from Centroid Target #3 to Centroid Target #1:	0.557
The Distance from Centroid Target #4 to Centroid Target #1:	0.303
The Distance from Centroid Target #5 to Centroid Target #1:	0.305

SERIAL NUMBER: C6587634. __0
TARGET NUMBER: 1
FILE DATE: 07/05/2005
FILE TIME: 08:25

X CENTROID: -0.163
Y CENTROID: -0.314
POA TO CENTROID: 0.354
HORZ SPREAD: 2.117
VERT SPREAD: 2.864
GROUP SPREAD: 2.990
MIN RADIUS: 0.151
MAX RADIUS: 1.683
MEAN RADIUS: 0.946
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.360	0.773
2:	-0.830	0.878
3:	-0.603	0.381
4:	-0.892	-0.468
5:	-1.233	-0.938
6:	-0.044	-0.408
7:	0.142	-0.498
8:	0.558	-0.109
9:	0.884	-0.769
10:	0.030	-1.986

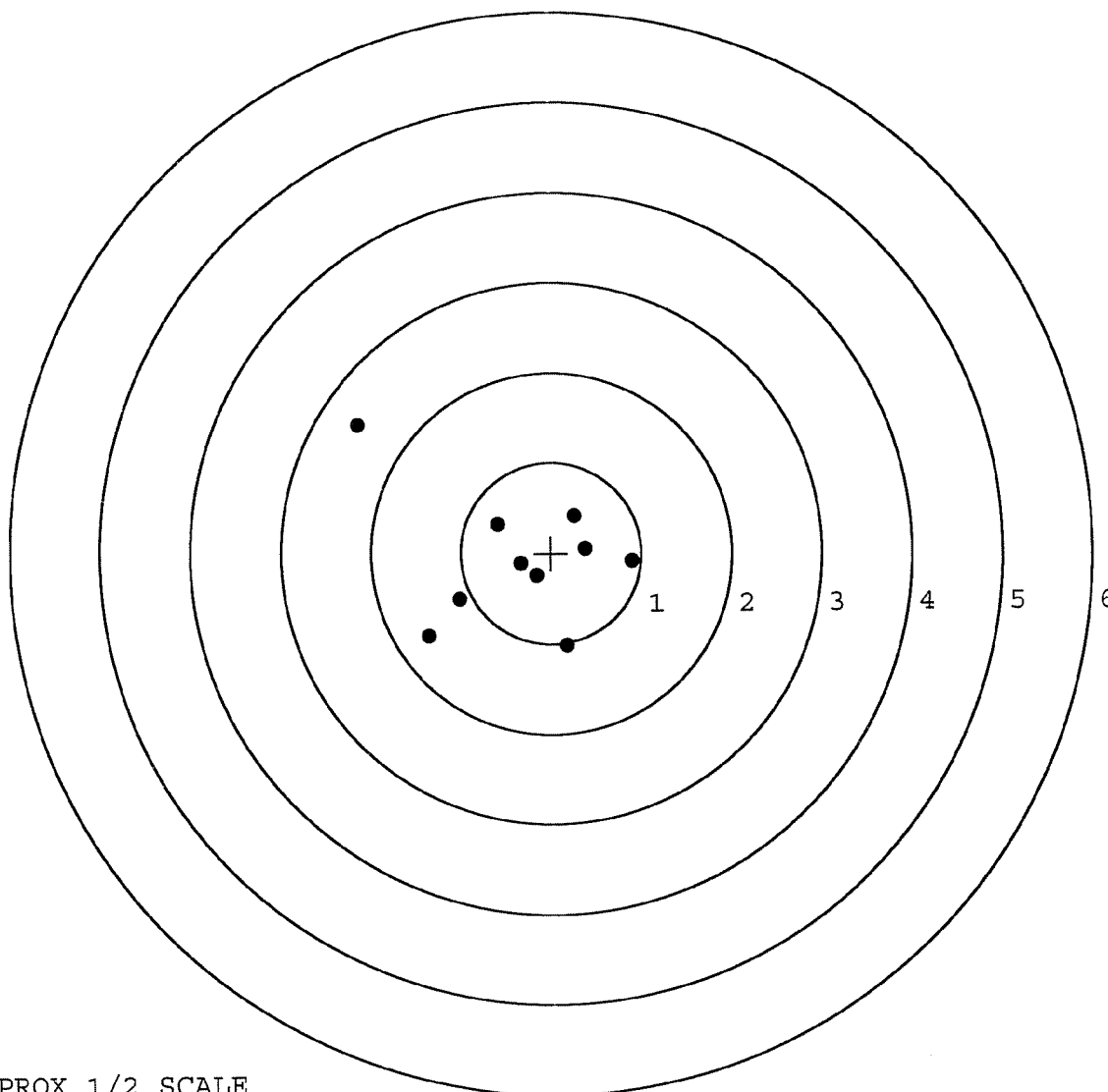


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587634. __0
TARGET NUMBER: 2
FILE DATE: 07/05/2005
FILE TIME: 08:25

X CENTROID: -0.390
Y CENTROID: -0.070
POA TO CENTROID: 0.396
HORZ SPREAD: 3.045
VERT SPREAD: 2.447
GROUP SPREAD: 3.401
MIN RADIUS: 0.068
MAX RADIUS: 2.306
MEAN RADIUS: 0.914
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.263	0.412
2:	0.380	0.050
3:	0.899	-0.090
4:	0.179	-1.023
5:	-1.016	-0.508
6:	-1.364	-0.915
7:	-0.163	-0.249
8:	-0.339	-0.116
9:	-0.589	0.314
10:	-2.146	1.424



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587634. __0

TARGET NUMBER: 3

FILE DATE: 07/05/2005

FILE TIME: 08:25

X CENTROID: -0.510

Y CENTROID: 0.122

POA TO CENTROID: 0.524

HORZ SPREAD: 3.462

VERT SPREAD: 2.503

GROUP SPREAD: 3.466

MIN RADIUS: 0.151

MAX RADIUS: 1.943

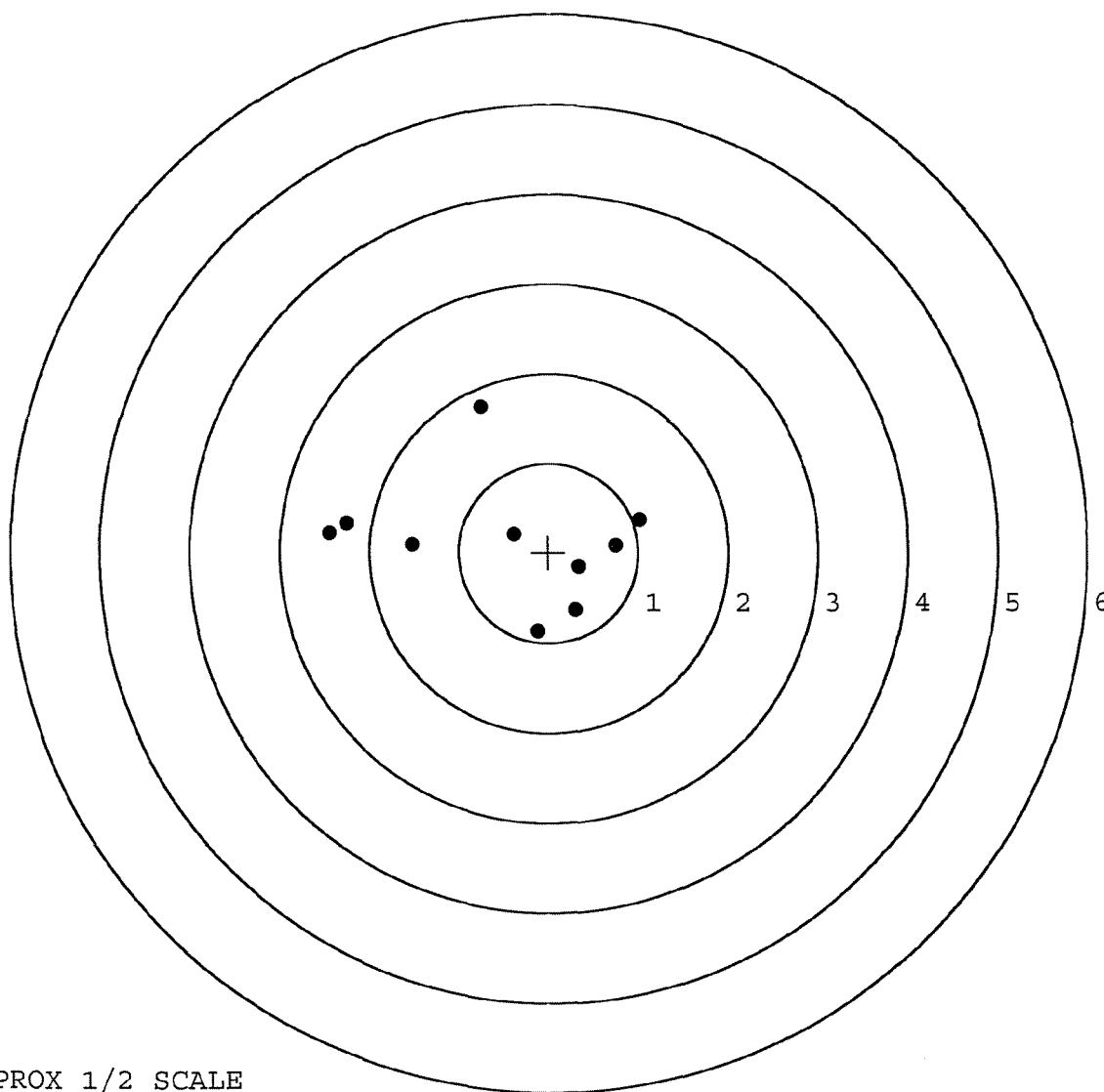
MEAN RADIUS: 1.229

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.012	0.369
2:	0.751	0.084
3:	0.345	-0.156
4:	0.301	-0.646
5:	-0.123	-0.874
6:	-0.382	0.202
7:	-1.526	0.080
8:	-2.262	0.319
9:	-2.450	0.212
10:	-0.761	1.629

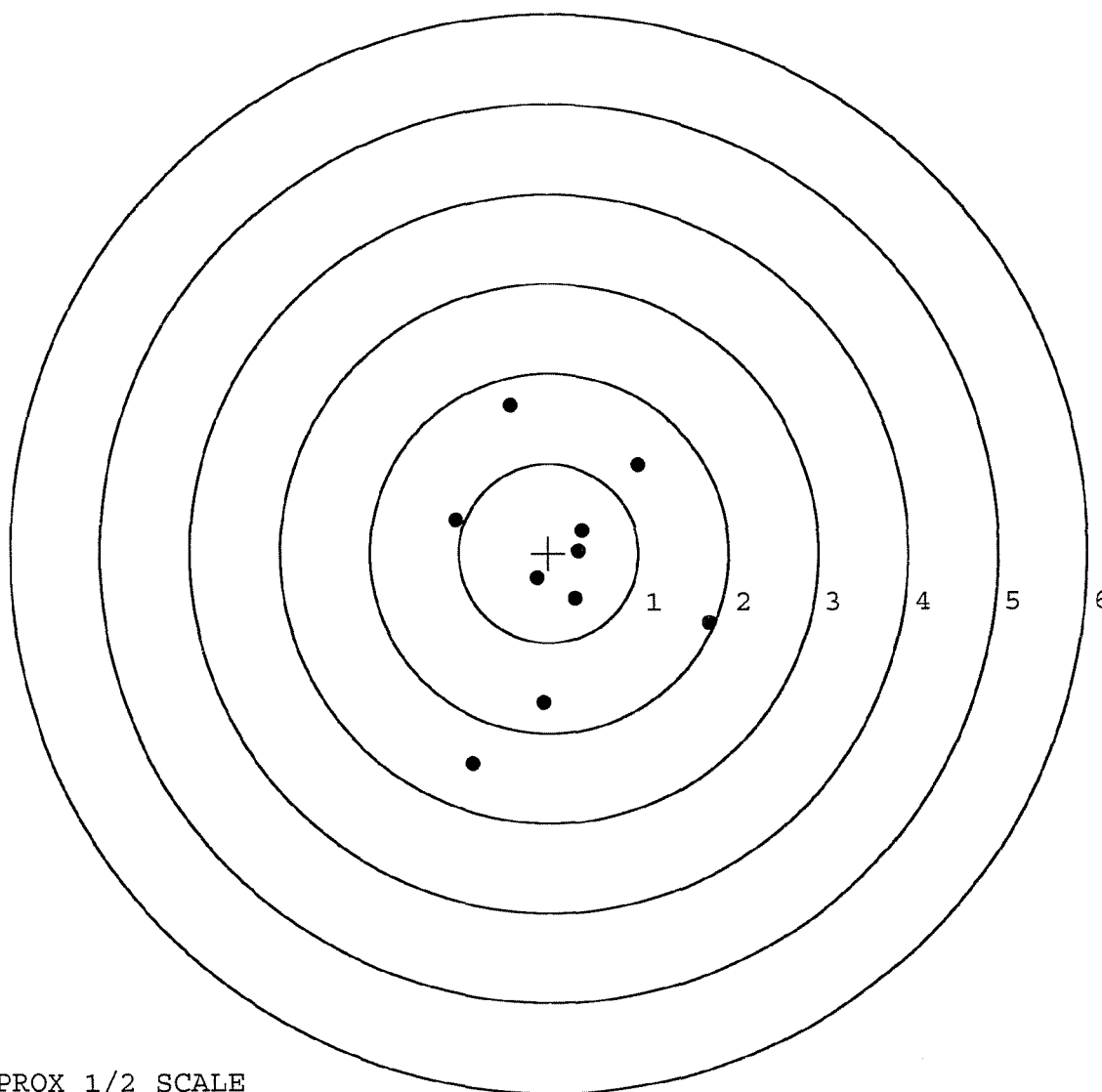


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587634. __0
TARGET NUMBER: 4
FILE DATE: 07/05/2005
FILE TIME: 08:25

X CENTROID: 0.128
Y CENTROID: -0.231
POA TO CENTROID: 0.264
HORZ SPREAD: 2.819
VERT SPREAD: 3.986
GROUP SPREAD: 4.009
MIN RADIUS: 0.264
MAX RADIUS: 2.330
MEAN RADIUS: 1.175
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.375	0.258
2:	0.340	0.032
3:	-0.130	-0.286
4:	0.296	-0.508
5:	-0.062	-1.670
6:	-0.852	-2.345
7:	1.780	-0.782
8:	-1.039	0.367
9:	-0.426	1.641
10:	0.999	0.982



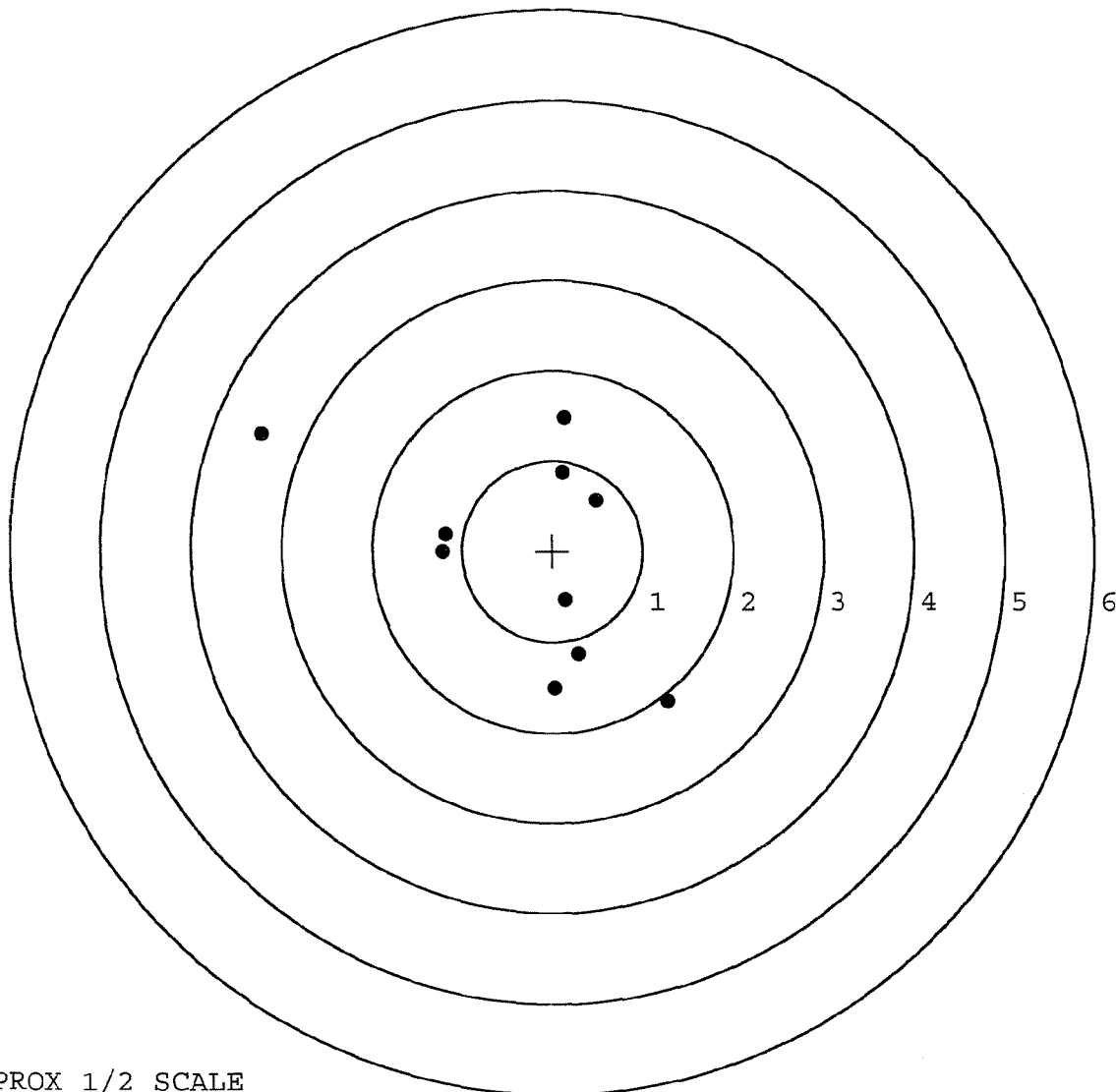
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587634. __ 0
TARGET NUMBER: 5
FILE DATE: 07/05/2005
FILE TIME: 08:25

X CENTROID: -0.313
Y CENTROID: -0.049
POA TO CENTROID: 0.316
HORZ SPREAD: 4.510
VERT SPREAD: 3.123
GROUP SPREAD: 5.383
MIN RADIUS: 0.676
MAX RADIUS: 3.211
MEAN RADIUS: 1.429

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.137	1.475
2:	0.120	0.872
3:	0.483	0.560
4:	-1.180	0.174
5:	-1.214	-0.025
6:	0.151	-0.541
7:	0.294	-1.129
8:	0.036	-1.515
9:	1.279	-1.648
10:	-3.231	1.290



TARGET APPROX 1/2 SCALE

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

R. & E NUMBER	92906		
SERIAL NUMBER	C6587634		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-1-05	RTL
560 A	RE-BARREL	6-6-05	RTL
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTL
600	PROOF MAGNA-FLUX INSPECTED	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTL
612	MAGNAFLUX RATOR <i>unab</i>	6-9-05	<i>unab</i>
615	ROLLMARK CALIBER	6-9-05	CIN
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	un
625 A	FINAL ASSEMBLY	6-30-05	RTL
B	TRIGGER PULL TEST	8-9-05	
C	SAFETY "ON" FORCE	8-9-05	AC
D	SAFETY "OFF" FORCE	8-9-05	AC
E	FIRING PIN INDENT	8-9-05	AC
640	TARGET	7-5-05	AC
655	FINAL INSPECT	8-9-05	AC
660	PACK	9-6-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington® REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

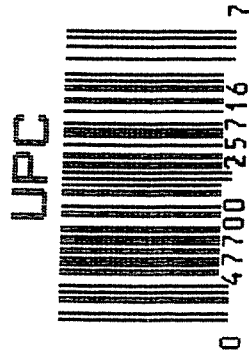
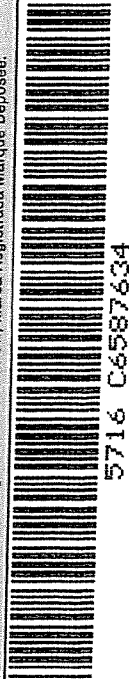
DU PONT

SERIAL NO.
C6587634

ORDER NO.
5716

01

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587634

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		10/11/90	KR
	Magnaflux Bolt		10/11/90	KR
615	Rollmark Caliber		10/11/90	SL
617	Drill and Tap Sight Holes		10/11/90	LB
618	Polish Barrel RWB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-12-90	SL
	Apply Coating (Bolt)		10-12-90	SL
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-7-90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			11/7/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			11/7/90	WB
	H) Trigger Pull Test & Retainability						11-7-90	SL
	I) Firing Pin Indent	.021	.021	.021			11/7/90	WB
	J) Assemble Stock						11/7/90	RW
	K) Assemble Swivel Studs						11-26-90	928
	L) Attach Front and Rear Sight Assemblies						11/7/90	RW
	M) Iron Sight Alignment						11/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/7/90	RW
	O) Attach Scope to Rifle						11/7/90	RW
	P) Detach & Attach Scope 20 Times						11/7/90	RW
640	Gallery Target & Test						11-8-90	KT
	A) Time						11-8-90	KT
	B) Malfunctions						11-8-90	KT
	C) Pierced Primers						11-8-90	KT
	D) Optical Clarity of Scope						11-8-90	KT
645	Inspect for Live Ammo						11-8-90	KT
655	Final Inspection							
	A) Headspace						11-20-90	928
	B) Trigger Pull	2.50	251	255	253	252	11-20-90	928
	C) Function						11-20-90	928
660	Pack						12/19/90	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587634

DATE 11-7-90

TESTER JEF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.27	2.38	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.35	2.20	2.51	
PULL #3	2.16	2.36	2.35	2.55	
PULL #4	2.35	2.11	2.38	2.53	
PULL #5	2.33	2.20	2.33	2.52	
TOTAL	11.26	11.29	11.64		
AVG.	2.252	2.258	2.328		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.17		
PULL #2	3.22	3.43		
PULL #3	3.37	3.50		
PULL #4	3.27	3.47		
PULL #5	3.45	3.47		
TOTAL	16.78	17.04		
AVG.	3.356	3.408		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.50		4.33
PULL #2	4.39	4.33		4.36
PULL #3	4.33	4.44		4.44
PULL #4	4.38	4.43		4.26
PULL #5	4.45	4.50		4.34
TOTAL	21.70	22.20		21.73
AVG.	4.34	4.44		4.346

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587634
9 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.229225
1 TO 2	.327727
1 TO 3	.283302
1 TO 4	.364878
1 TO 5	.303863

343 < ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0152
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1096
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110549
THE AMR FOR THIS RIFLE IS: .7382

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587634
9 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.229225
1 TO	2	.327727
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1 TO	4	.364878
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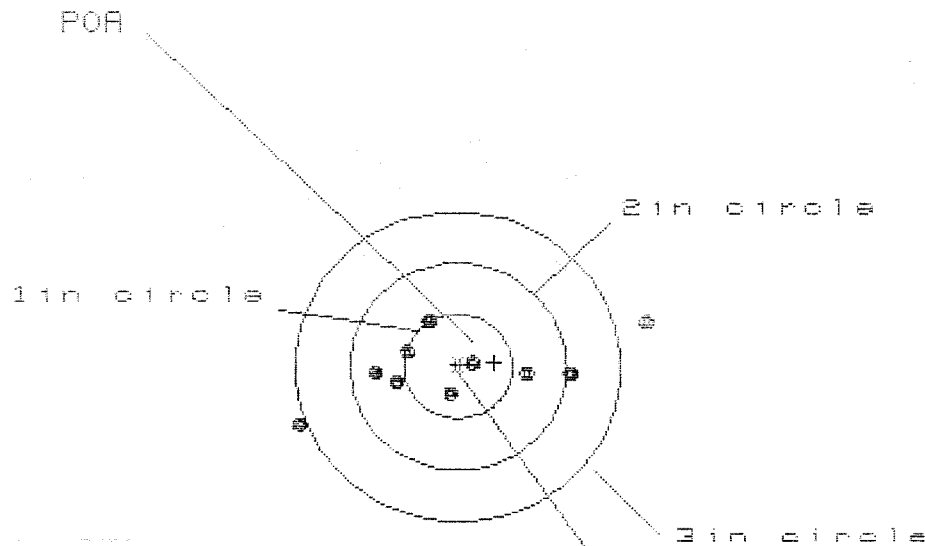
2.6 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0152
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1096
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110649
THE AMR FOR THIS RIFLE IS: .7382

9 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6507634

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 3.191

VS = .979

GS = 3.323

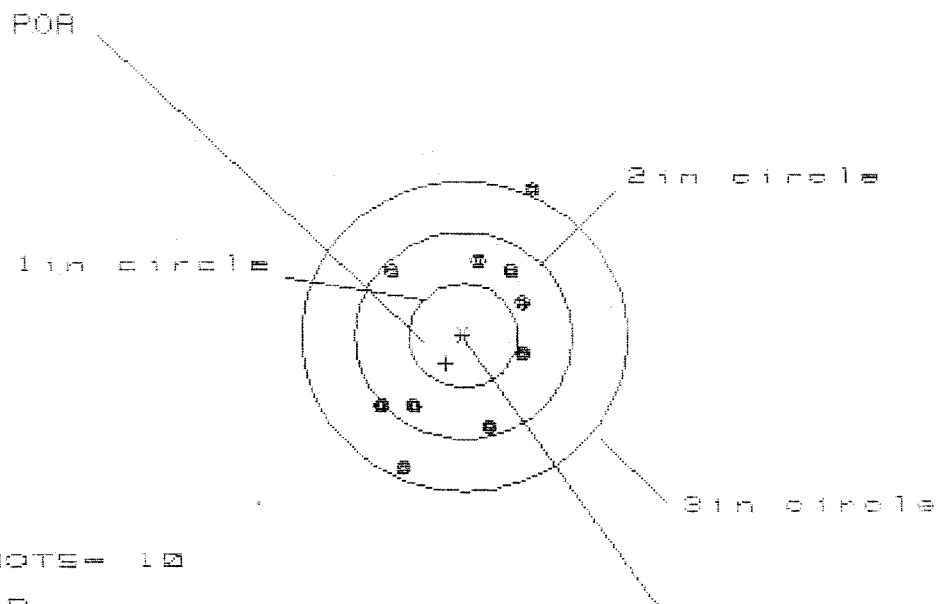
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.722	1.248	1.088
MINIMUM X	-1.469	-1.277	-.709
MAXIMUM Y	.465	.511	.452
MINIMUM Y	-.515	-.468	-.251
CENTROID X	-.333	-.525	-.365
CENTROID Y	-.042	-.088	-.029
POA TO CENTROID in.	.336	.532	.366
MIN RADIUS	.115	.207	.146
MEAN RADIUS	.774	.638	.549
MAX RADIUS	1.771	1.361	1.089
HORIZONTAL SPREAD	3.191	2.525	1.797
VERTICAL SPREAD	.979	.979	.703
EXTREME SPREAD	3.323	2.573	1.797
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587634

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 9

HS= 1.405

VS= 2.657

GS= 2.920

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.623	.651	.586
MINIMUM X	:	-.782	-.713	-.778
MAXIMUM Y	:	1.390	.923	.784
MINIMUM Y	:	-1.267	-1.113	-.832
CENTROID X	:	.162	.093	.158
CENTROID Y	:	.272	.118	.257
FOR TO CENTROID in.	:	.317	.150	.302
MIN RADIUS	:	.552	.601	.552
MEAN RADIUS	:	.934	.866	.803
MAX RADIUS	:	1.523	1.228	1.047
HORIZONTAL SPREAD	:	1.405	1.364	1.364
VERTICAL SPREAD	:	2.657	2.036	1.616
EXTREME SPREAD	:	2.920	2.161	1.801
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587834

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.583

VS = 1.869

GS = 2.222

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.740	.645	.528
MINIMUM X	:	-.853	-.933	-.721
MAXIMUM Y	:	.910	.850	.783
MINIMUM Y	:	-.959	-.858	-.925
CENTROID X	:	.244	.339	.456
CENTROID Y	:	.120	.019	.086
POA TO CENTROID in.	:	.272	.340	.464
MIN RADIUS	:	.133	.264	.190
MEAN RADIUS	:	.719	.653	.576
MAX RADIUS	:	1.247	1.076	.935
HORIZONTAL SPREAD	:	1.593	1.578	1.249
VERTICAL SPREAD	:	1.869	1.708	1.708
EXTREME SPREAD	:	2.222	1.782	1.709
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

9 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587634

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 10

HS = 2.039

VS = 1.342

GS = 2.039

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.958	.838	.586
MINIMUM X	-1.081	-.816	-.711
MAXIMUM Y	.718	.672	.617
MINIMUM Y	-.624	-.670	-.725
CENTROID X	.115	.235	.130
CENTROID Y	-.002	.044	.099
POA TO CENTROID in.	.115	.239	.164
MIN RADIUS	.210	.086	.197
MEAN RADIUS	.644	.567	.519
MAX RADIUS	1.157	.947	.932
HORIZONTAL SPREAD	2.039	1.654	1.297
VERTICAL SPREAD	1.342	1.342	1.342
EXTREME SPREAD	2.039	1.703	1.549
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	