

C6594646

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Aims 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: **RE00038551** Serial: **C6594646** Model: **700** Center Fire Caliber: **7.62 NATO M24 SWS WGG 5.9 of 18** Repairman: Status: **Closed 1/22/02 9:06:33 AM**

Verify Repair

Address Information

Customer: **Received From** Return To: **Received From**

Name: **HECTOR M ROCA** **HECTOR M ROCA**

Address 1: **BCD 3RD SFG A** **BCD 3RD SFG A**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **910 432 3918**

Fax:

Email:

Comments:

Received Condition

Fail:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A017	Scope Base	1

Repair Search Refresh Close

1/22/02 10:22 AM CAPS NUM INS SCFL

Start Inbo Calc... Scor SW Isra Ar... Print

10:22 AM

Serial Number:-

C6594646

Model: **700**



RE00038551

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER <i>R38551</i>			
SERIAL NUMBER <i>C6594646</i>			
LOG-IN DATE <i>1/2/02</i>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>1/2/02</i>	<i>RW</i>
560 A	RE-BARREL AT CUSTOM SHOP	<i>1-3-02</i>	<i>BWT</i>
B	DRILL AND TAP	<i>1-3-02</i>	<i>BWT</i>
C	POLISH		
575	ASSEMBLE	<i>1-4-02</i>	<i>AC</i>
600	PROOF	<i>1-4-02</i>	<i>AC</i>
605	CHECK HEADSPACE	<i>1-4-02</i>	<i>AC</i>
610	DIS-ASSEMBLE GUN	<i>1-4-02</i>	<i>AC</i>
612	MAGNAFLUX	<i>OPERATOR AC</i>	
615	ROLLMARK CALIBER	<i>1-7-02</i>	<i>R3</i>
618	ROTO-BLAST	<i>1/7</i>	<i>NO</i>
620	APPLY COATINGS	<i>1/7</i>	<i>HP</i>
625 A	FINAL ASSEMBLY	<i>1/8/02</i>	<i>RW</i>
B	TRIGGER PULL TEST	<i>N/C</i>	
C	SAFETY "ON" FORCE	<i>N/C</i>	
D	SAFETY "OFF" FORCE	<i>N/C</i>	
E	FIRING PIN INDENT	<i>N/C</i>	
640	TARGET	<i>1-9-02</i>	<i>AC</i>
655	FINAL INSPECT	<i>1-9-02</i>	<i>RA</i>
660	PACK	<i>1-10-02</i>	<i>RA</i>
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594646.__0
FILE DATE AND TIME: 01/09/2002 02:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.019
The Distance from Centroid Target #2 to Centroid Target #1:	0.376
The Distance from Centroid Target #3 to Centroid Target #1:	0.029
The Distance from Centroid Target #4 to Centroid Target #1:	0.137
The Distance from Centroid Target #5 to Centroid Target #1:	0.190

SERIAL NUMBER: C6594646. __0

TARGET NUMBER: 1

FILE DATE: 01/09/2002

FILE TIME: 02:11

X CENTROID: -0.003

Y CENTROID: 0.019

POA TO CENTROID: 0.019

HORZ SPREAD: 1.743

VERT SPREAD: 1.874

GROUP SPREAD: 2.052

MIN RADIUS: 0.245

MAX RADIUS: 1.119

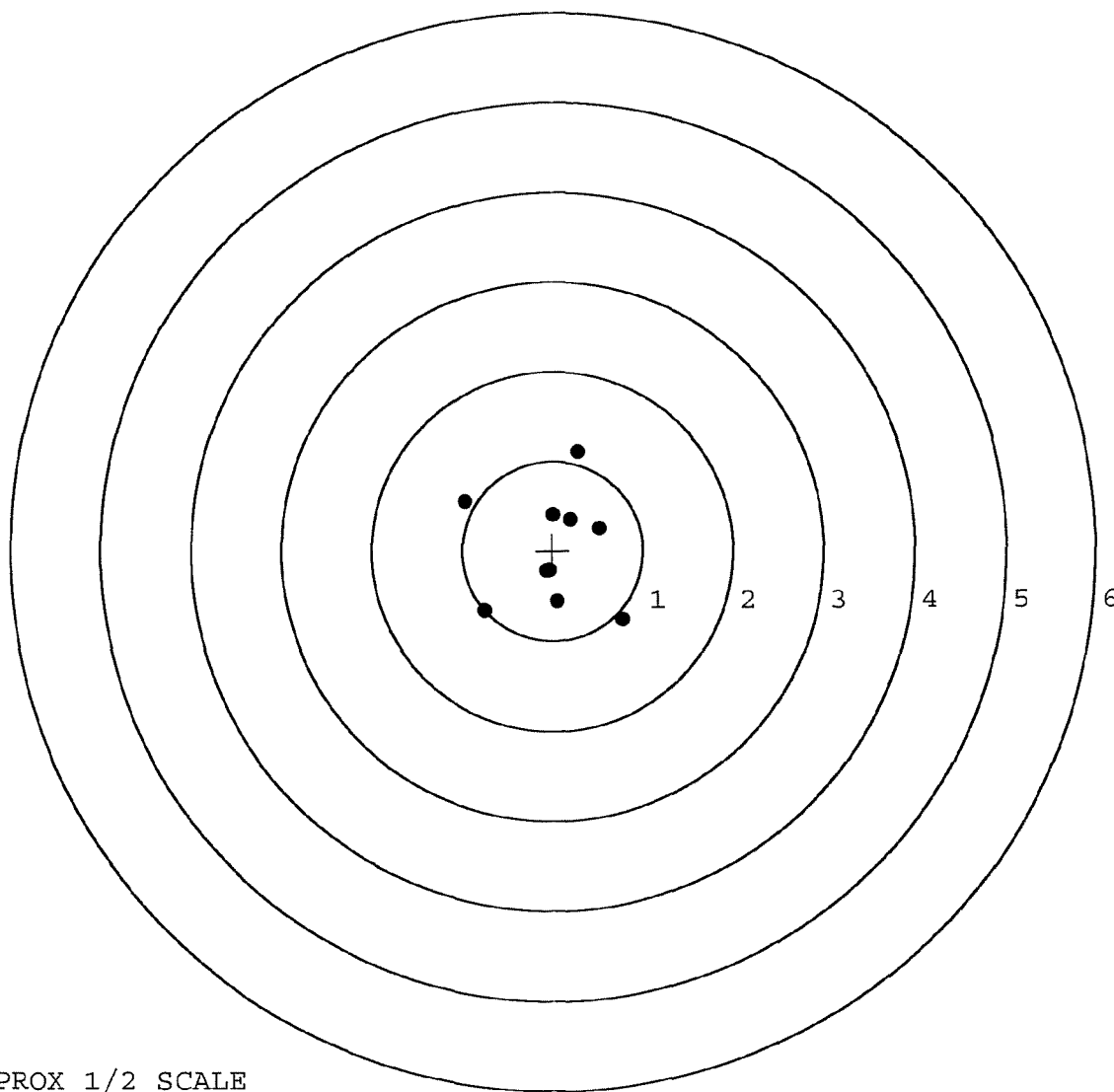
MEAN RADIUS: 0.678

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.282	1.101
2:	-0.973	0.555
3:	-0.756	-0.669
4:	0.052	-0.567
5:	-0.038	-0.223
6:	0.770	-0.773
7:	0.517	0.247
8:	0.194	0.347
9:	-0.004	0.405
10:	-0.070	-0.233

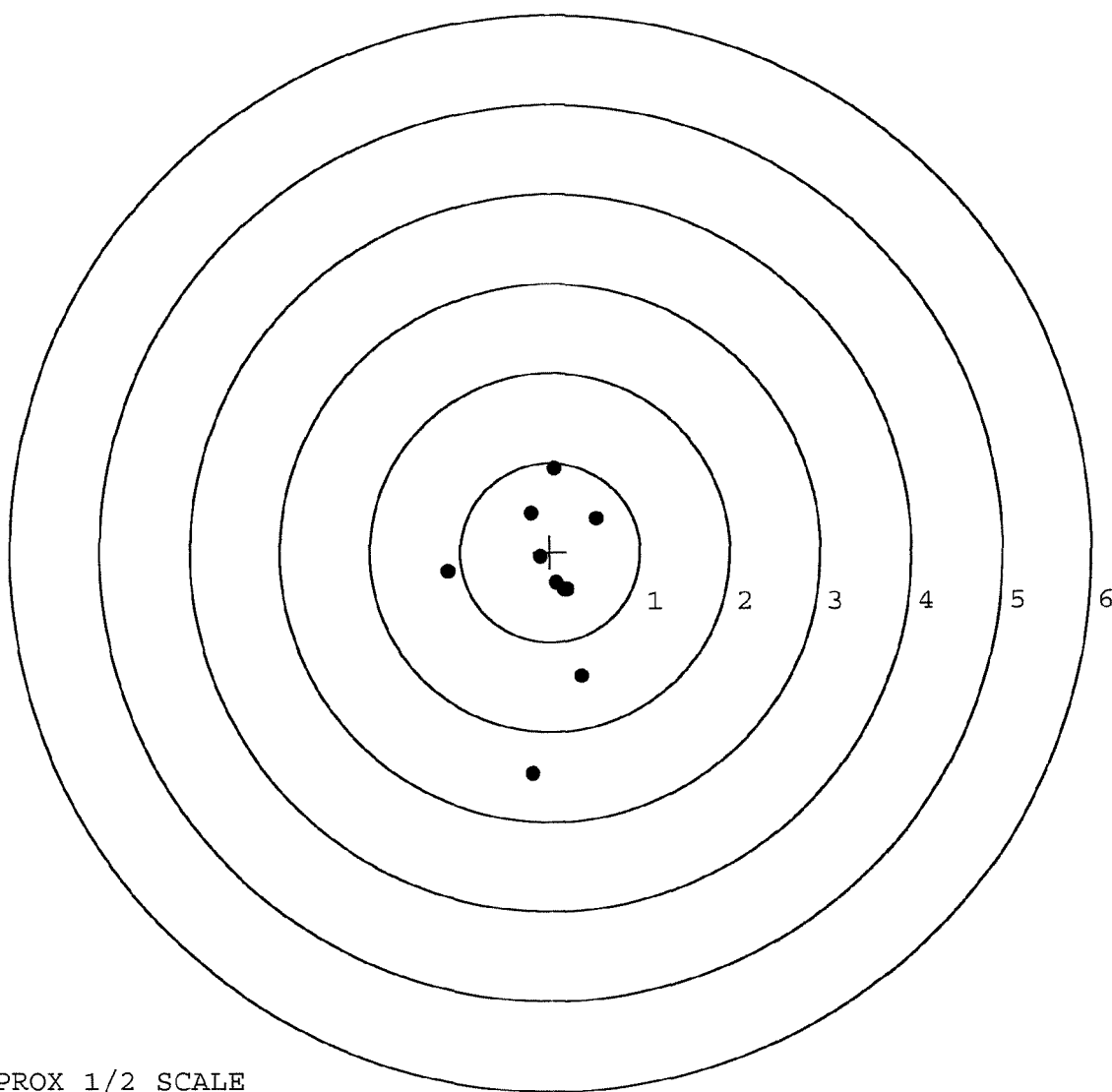


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0
TARGET NUMBER: 2
FILE DATE: 01/09/2002
FILE TIME: 02:11

X CENTROID: -0.031
Y CENTROID: -0.356
POA TO CENTROID: 0.357
HORZ SPREAD: 1.653
VERT SPREAD: 3.406
GROUP SPREAD: 3.415
MIN RADIUS: 0.105
MAX RADIUS: 2.123
MEAN RADIUS: 0.820
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.052	0.934
2:	-0.216	0.437
3:	-1.135	-0.215
4:	0.518	0.377
5:	-0.107	-0.059
6:	0.193	-0.420
7:	0.353	-1.382
8:	-0.202	-2.472
9:	0.158	-0.420
10:	0.072	-0.340

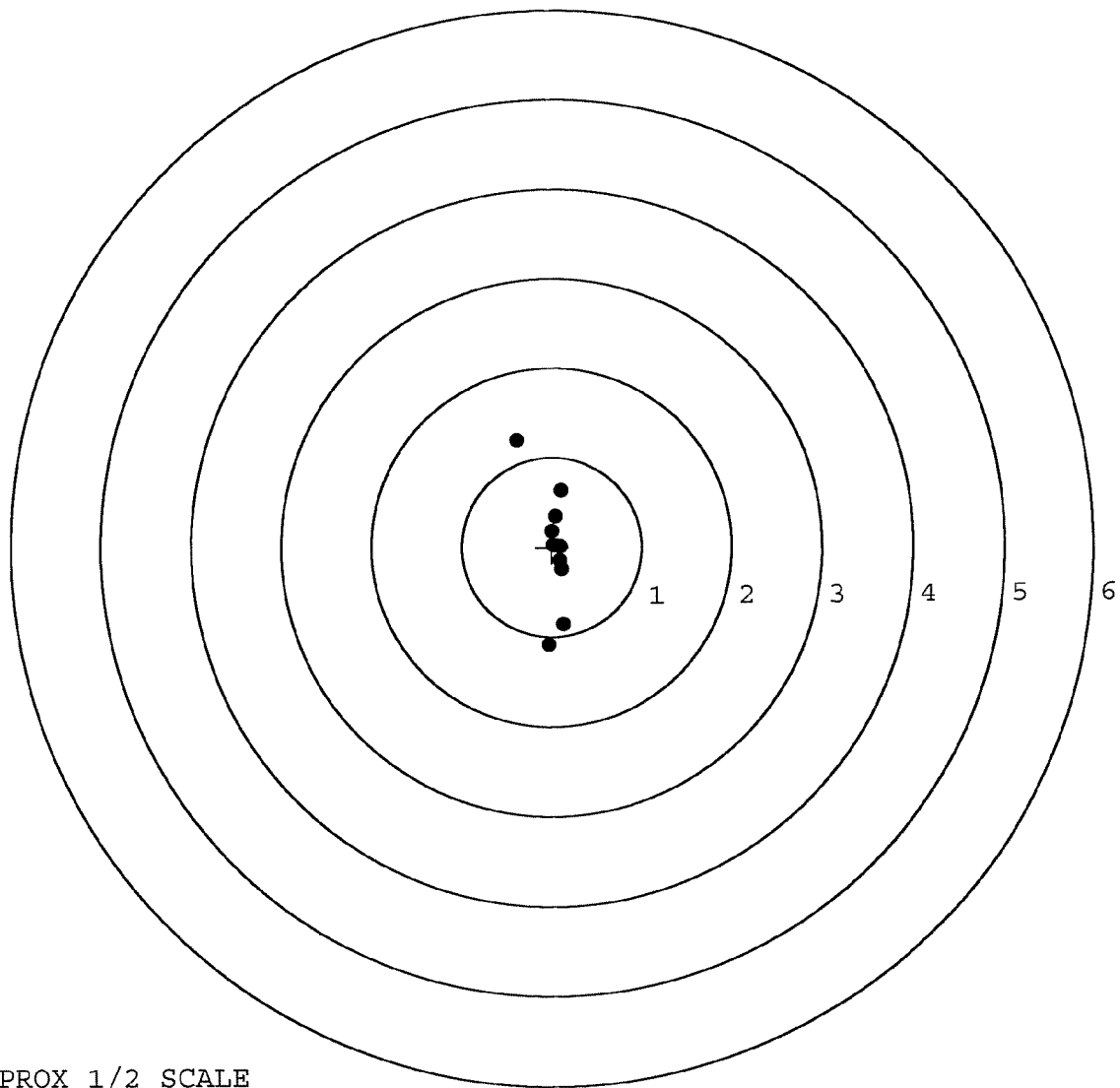


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. 0
TARGET NUMBER: 3
FILE DATE: 01/09/2002
FILE TIME: 02:11

X CENTROID: 0.017
Y CENTROID: -0.002
POA TO CENTROID: 0.017
HORZ SPREAD: 0.504
VERT SPREAD: 2.290
GROUP SPREAD: 2.315
MIN RADIUS: 0.025
MAX RADIUS: 1.257
MEAN RADIUS: 0.494
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.041	-1.100
2:	0.124	-0.868
3:	0.109	-0.256
4:	0.099	-0.006
5:	0.002	0.179
6:	0.110	0.630
7:	-0.380	1.190
8:	0.041	0.341
9:	0.014	0.023
10:	0.091	-0.156



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0

TARGET NUMBER: 4

FILE DATE: 01/09/2002

FILE TIME: 02:11

X CENTROID: -0.128

Y CENTROID: -0.037

POA TO CENTROID: 0.133

HORZ SPREAD: 1.919

VERT SPREAD: 2.536

GROUP SPREAD: 2.551

MIN RADIUS: 0.115

MAX RADIUS: 1.358

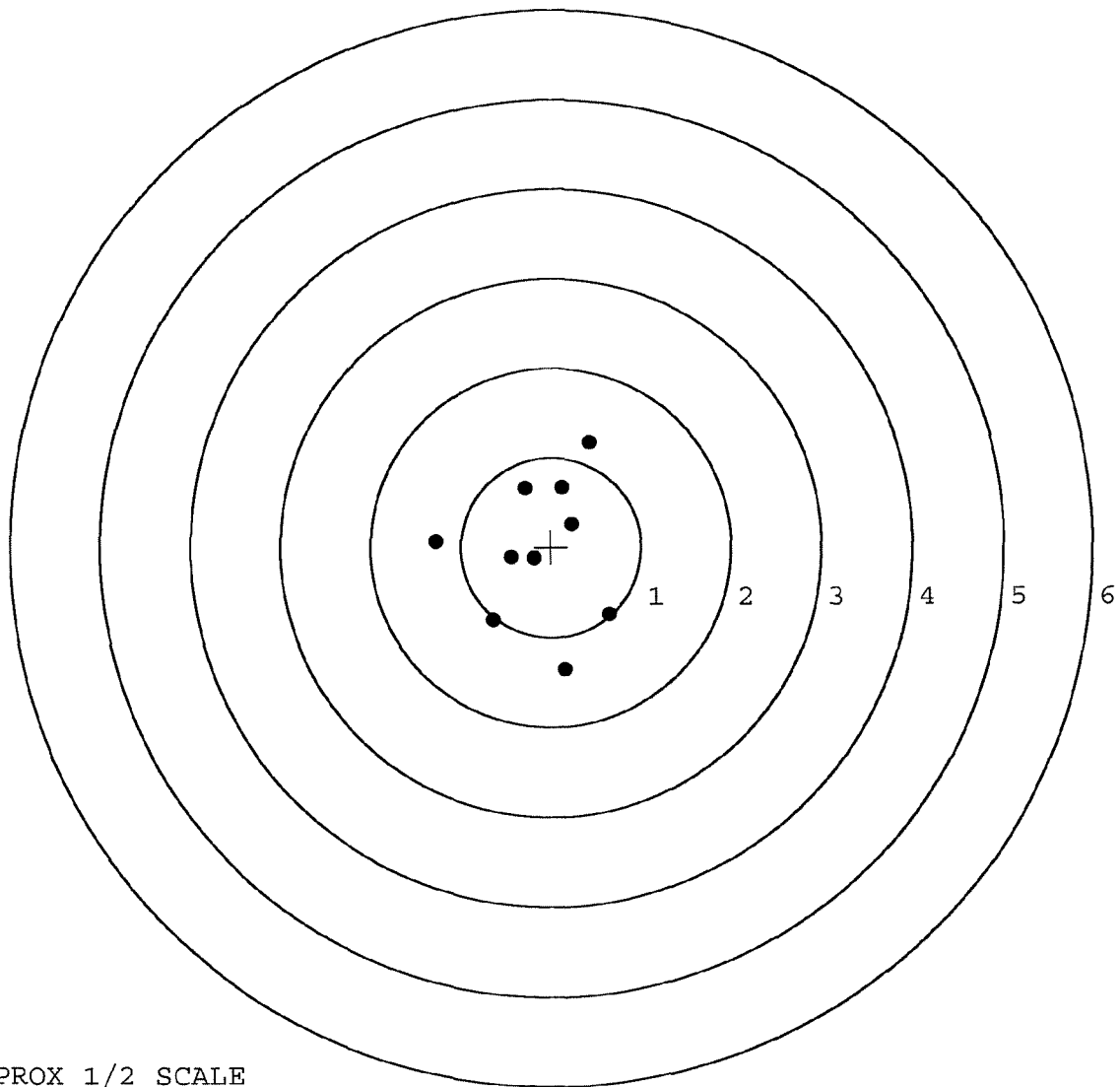
MEAN RADIUS: 0.819

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.433	1.171
2:	0.122	0.665
3:	0.228	0.256
4:	-0.291	0.658
5:	-1.279	0.061
6:	-0.446	-0.118
7:	-0.191	-0.133
8:	-0.649	-0.813
9:	0.640	-0.753
10:	0.156	-1.365



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0

TARGET NUMBER: 5

FILE DATE: 01/09/2002

FILE TIME: 02:11

X CENTROID: -0.094

Y CENTROID: 0.186

POA TO CENTROID: 0.208

HORZ SPREAD: 1.445

VERT SPREAD: 1.578

GROUP SPREAD: 1.736

MIN RADIUS: 0.307

MAX RADIUS: 1.055

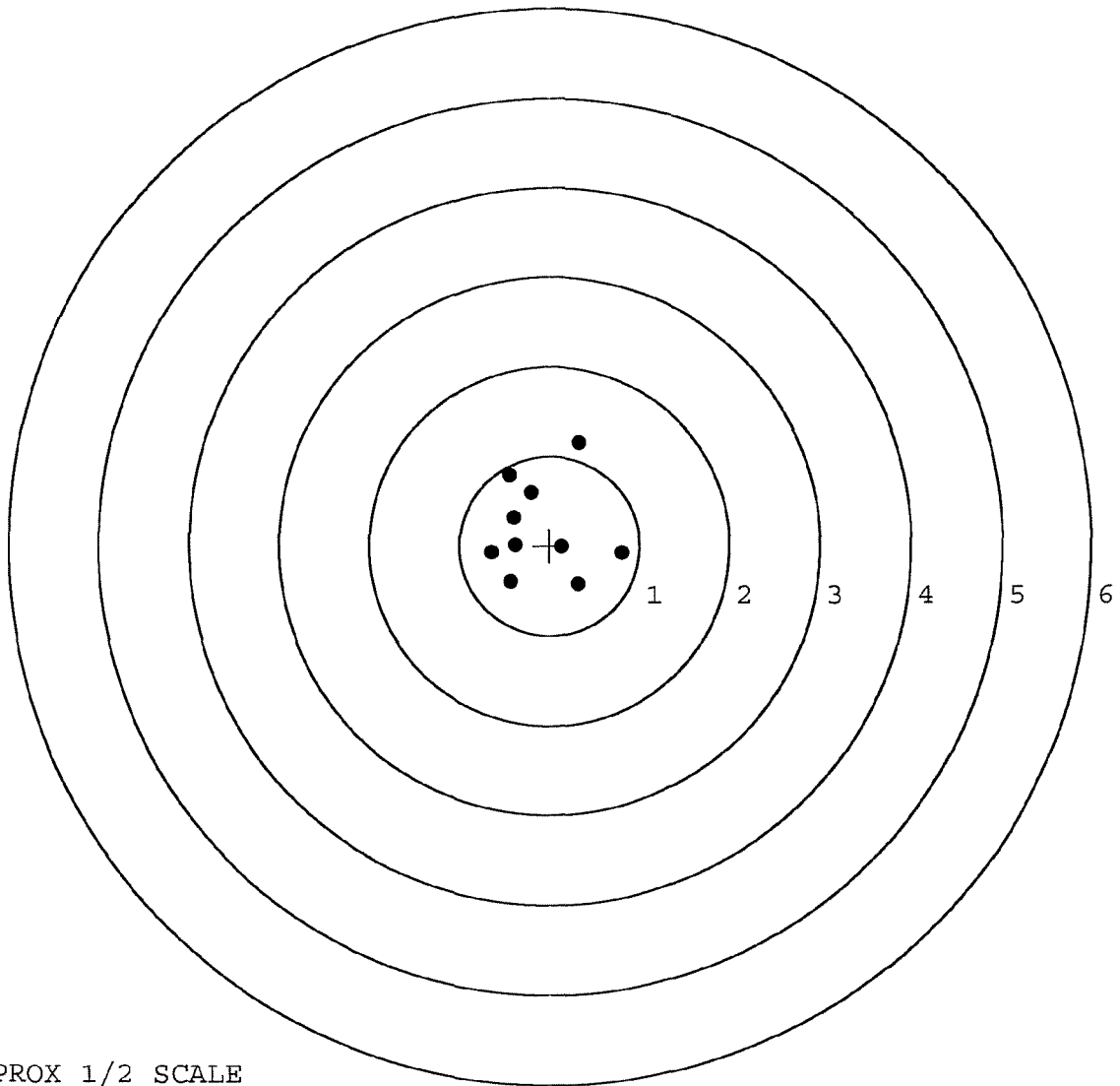
MEAN RADIUS: 0.613

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.331	1.151
2:	0.800	-0.084
3:	0.319	-0.427
4:	-0.438	-0.405
5:	-0.645	-0.075
6:	-0.452	0.790
7:	-0.211	0.597
8:	-0.401	0.320
9:	-0.381	0.007
10:	0.137	-0.017



TARGET APPROX 1/2 SCALE

Remington[®]


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

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

MODEL 700TM H24

SERIAL NO.
C6594646

ORDER NO.
5716

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

20


5716 C6594646

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594646

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/21/90	K.S.
600	Proof		12/21/90	K.S.
607	Check Headspace		12/21/90	K.S.
610	Dis-assemble Gun		12/21/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes	1 10 91		CB
618	Polish Barrel	1 10 91		wB
620	Apply Coatings (Barrel Action)		1-22-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	YK
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	YK
	C) Inspect Ejector Hole for Chamfer		2/6/91	YK
	D) Oil Firing Pin Ass'y		2/6/91	YK
	E) Adjust Trigger Pull to Min Setting and Stake		2/8/91	YK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/4	6 1/4	6			2/8/91	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			2/8/91	WB
	H) Trigger Pull Test & Retainability						2/8/91	JF
	I) Firing Pin Indent	.021	.0205	.0205			2/8/91	WB
	J) Assemble Stock						2/8/91	KJ
	K) Assemble Swivel Studs						2-26-91	A
	L) Attach Front and Rear Sight Assemblies						2/4/91	KJ
	M) Iron Sight Alignment						2/4/91	KJ
	N) Detach Front & Rear Sights & place in numbered container						2/4/91	KJ
	O) Attach Scope to Rifle						2/4/91	KJ
	P) Detach & Attach Scope 20 Times						2/4/91	KJ
640	Gallery Target & Test						2/14/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						2/14/91	KJ
655	Final Inspection							
	A) Headspace						2-26-91	A
	B) Trigger Pull	252	246	247	247	247	2/23/91	JF
	C) Function						2-26-91	AC
660	Pack						3-14-91	VH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594646
DATE 2/14/91
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.47	2.30	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.25	2.32	2.46	
PULL #3	2.37	2.49	2.32	2.47	
PULL #4	2.39	2.38	2.31	2.47	
PULL #5	2.34	2.29	2.29	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.34		
PULL #2	3.34	3.32		
PULL #3	3.16	3.39		
PULL #4	3.37	3.38		
PULL #5	3.39	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.18		4.33
PULL #2	4.28	4.26		4.27
PULL #3	4.25	4.19		4.20
PULL #4	4.18	4.33		4.33
PULL #5	4.17	4.29		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594646
15 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0554707
1 TO	2	.0559732
1 TO	3	.0813019
1 TO	4	.359117
1 TO	5	.292966

5.1 <----POA

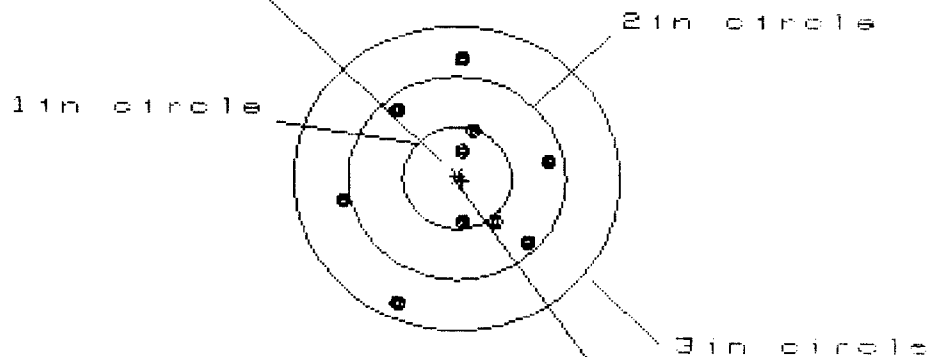
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1454
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1102
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182442
THE AMR FOR THIS RIFLE IS: .8612

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594646

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

CENTROID *

HS= 1.849

VS= 2.426

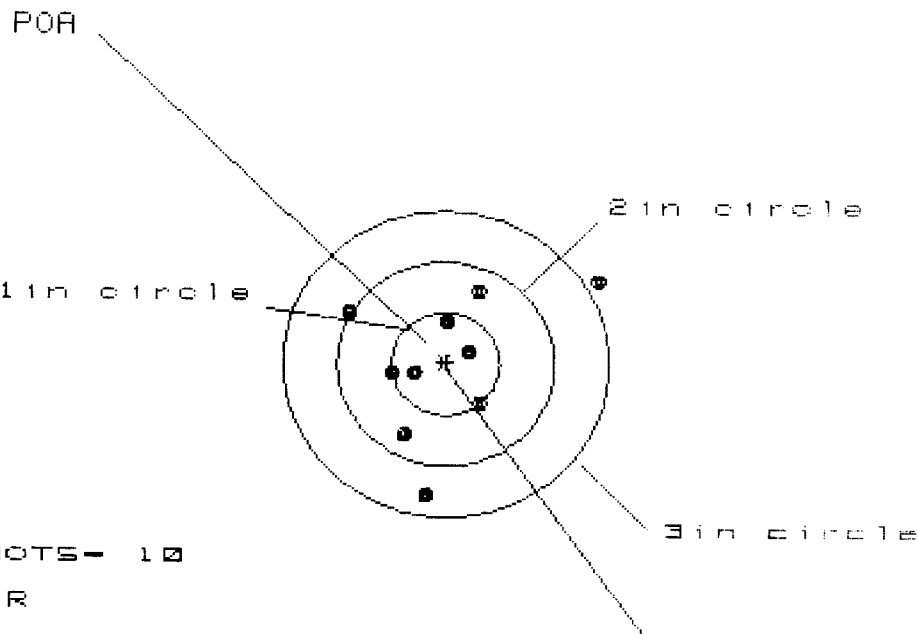
GS= 2.504

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.826	.764	.765
MINIMUM X	:	-1.023	-1.085	-1.084
MAXIMUM Y	:	1.223	1.090	.647
MINIMUM Y	:	-1.203	-.719	-.583
CENTROID X	:	-.049	.013	.012
CENTROID Y	:	.026	.159	.023
POA TO CENTROID in.	:	.055	.160	.026
MIN RADIUS	:	.299	.168	.303
MEAN RADIUS	:	.798	.718	.672
MAX RADIUS	:	1.323	1.149	1.110
HORIZONTAL SPREAD	:	1.849	1.849	1.849
VERTICAL SPREAD	:	2.426	1.809	1.230
EXTREME SPREAD	:	2.504	1.914	1.906
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534646

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 5

2 in - 7

3 in - 9

HS - 2.266

VS - 2.121

GS - 2.658

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.399	.512	.506
MINIMUM X	:	-.868	-.712	-.718
MAXIMUM Y	:	.789	.787	.631
MINIMUM Y	:	-1.332	-1.244	-.723
CENTROID X	:	-.012	-.167	-.161
CENTROID Y	:	-.016	-.104	.052
POA TO CENTROID in.	:	.020	.197	.169
MIN RADIUS	:	.216	.140	.234
MEAN RADIUS	:	.747	.632	.550
MAX RADIUS	:	1.606	1.245	.867
HORIZONTAL SPREAD	:	2.266	1.224	1.224
VERTICAL SPREAD	:	2.121	2.031	1.354
EXTREME SPREAD	:	2.658	2.107	1.543
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534646

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 9

HS- 2.397

VS- 2.205

GS- 2.646

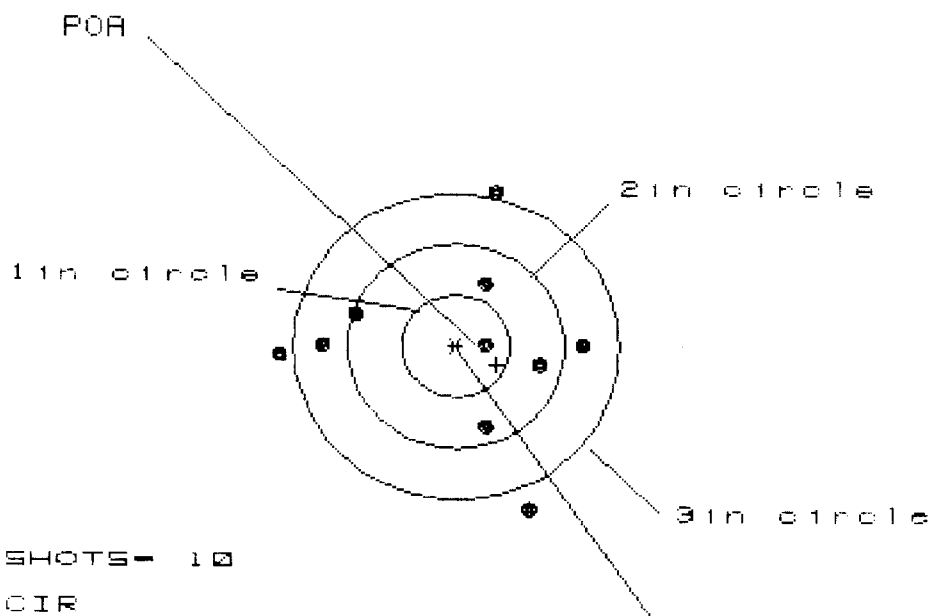
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.945	.783	.708
MINIMUM X	:	-1.452	-.715	-.790
MAXIMUM Y	:	1.188	1.135	.745
MINIMUM Y	:	-1.018	-1.070	-.928
CENTROID X	:	-.056	.106	.181
CENTROID Y	:	.107	.160	.018
POA TO CENTROID in.	:	.121	.192	.182
MIN RADIUS	:	.194	.361	.438
MEAN RADIUS	:	.900	.825	.759
MAX RADIUS	:	1.528	1.283	1.172
HORIZONTAL SPREAD	:	2.397	1.498	1.498
VERTICAL SPREAD	:	2.205	2.205	1.673
EXTREME SPREAD	:	2.646	2.205	2.194
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534646

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 7

HS- 2.789

VS- 3.113

GS- 3.130

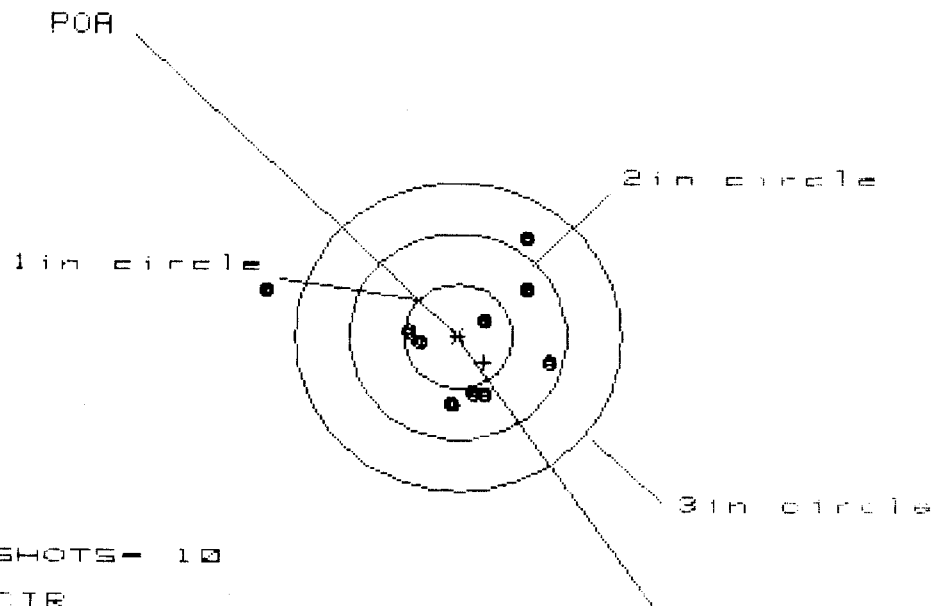
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	1.219	1.022
MINIMUM X	:	-1.649	-1.570	-1.379
MAXIMUM Y	:	1.550	1.377	1.349
MINIMUM Y	:	-1.563	-0.978	-1.006
CENTROID X	:	-0.371	-0.450	-0.254
CENTROID Y	:	.185	.358	.386
POA TO CENTROID in.	:	.414	.575	.462
MIN RADIUS	:	.268	.361	.205
MEAN RADIUS	:	1.095	1.026	.913
MAX RADIUS	:	1.716	1.586	1.387
HORIZONTAL SPREAD	:	2.789	2.789	2.402
VERTICAL SPREAD	:	3.113	2.355	2.355
EXTREME SPREAD	:	3.130	2.790	2.402
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594646

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in - 9

HS - 2.638

VS - 1.600

GS - 2.738

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.842	.643	.697
MINIMUM X	:	-1.796	-.704	-.650
MAXIMUM Y	:	.908	.959	.620
MINIMUM Y	:	-.692	-.641	-.521
CENTROID X	:	-.239	-.040	-.034
CENTROID Y	:	.249	.198	.078
POR TO CENTROID INCH	:	.345	.201	.122
MIN RADIUS	:	.295	.183	.315
MEAN RADIUS	:	.766	.618	.548
MAX RADIUS	:	1.854	1.053	.802
HORIZONTAL SPREAD	:	2.638	1.347	1.047
VERTICAL SPREAD	:	1.600	1.600	1.141
EXTREME SPREAD	:	2.738	1.761	1.379
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	