

06594566

MODEL 780™ 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 CSB Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00038547** Serial: **C6594566** Model: **700** Center Fire Caliber: **7.62 NATO M24 SWS WOGS 5 of 18** Repairman: Status: **Closed 1/2/02 9:05:57 AM**

Verify Repair

Address Information

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

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

Address 1: **BCO 3RD SFG A** **BCO 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 3818**

Fax:

Email:

Comments:

Received Condition

Fair:

Condition Notes:

CSB Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A017	Scope Base	1

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

maglev 1/2/02 10:21 AM CAPS NUM WS SCFL

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

Serial Number: **C6594566**

Model: **700**



RE00038547

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

R & E NUMBER 38547			
SERIAL NUMBER C6594566			
LOG-IN DATE 1-2-02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	RJR
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-4-02	AC
605	CHECK HEADSPACE	1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR PL	
615	ROLLMARK CALIBER	1-7-02	BZ
618	ROTO-BLAST	1/7	HO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	RW
B	TRIGGER PULL TEST	N/C	
C	SAFETY "ON" FORCE	N/C	
D	SAFETY "OFF" FORCE	N/C	
E	FIRING PIN INDENT	N/C	
640	TARGET	1-9-02	AC
655	FINAL INSPECT	1-10-02	PL
660	PACK	1-10-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594566.___0
FILE DATE AND TIME: 01/09/2002 02:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.133
The Average Y Centroid of the Five Target Set:	0.014
The Average Point of Impact of the Five Target Set:	0.134
The Average Mean Radius of the Five Target Set:	0.472
The Distance from POA to Centroid Target #1:	0.131
The Distance from Centroid Target #2 to Centroid Target #1:	0.176
The Distance from Centroid Target #3 to Centroid Target #1:	0.059
The Distance from Centroid Target #4 to Centroid Target #1:	0.129
The Distance from Centroid Target #5 to Centroid Target #1:	0.082

SERIAL NUMBER: C6594566. __0

TARGET NUMBER: 1

FILE DATE: 01/09/2002

FILE TIME: 02:20

X CENTROID: -0.131

Y CENTROID: -0.016

POA TO CENTROID: 0.131

HORZ SPREAD: 1.699

VERT SPREAD: 1.580

GROUP SPREAD: 2.021

MIN RADIUS: 0.057

MAX RADIUS: 1.308

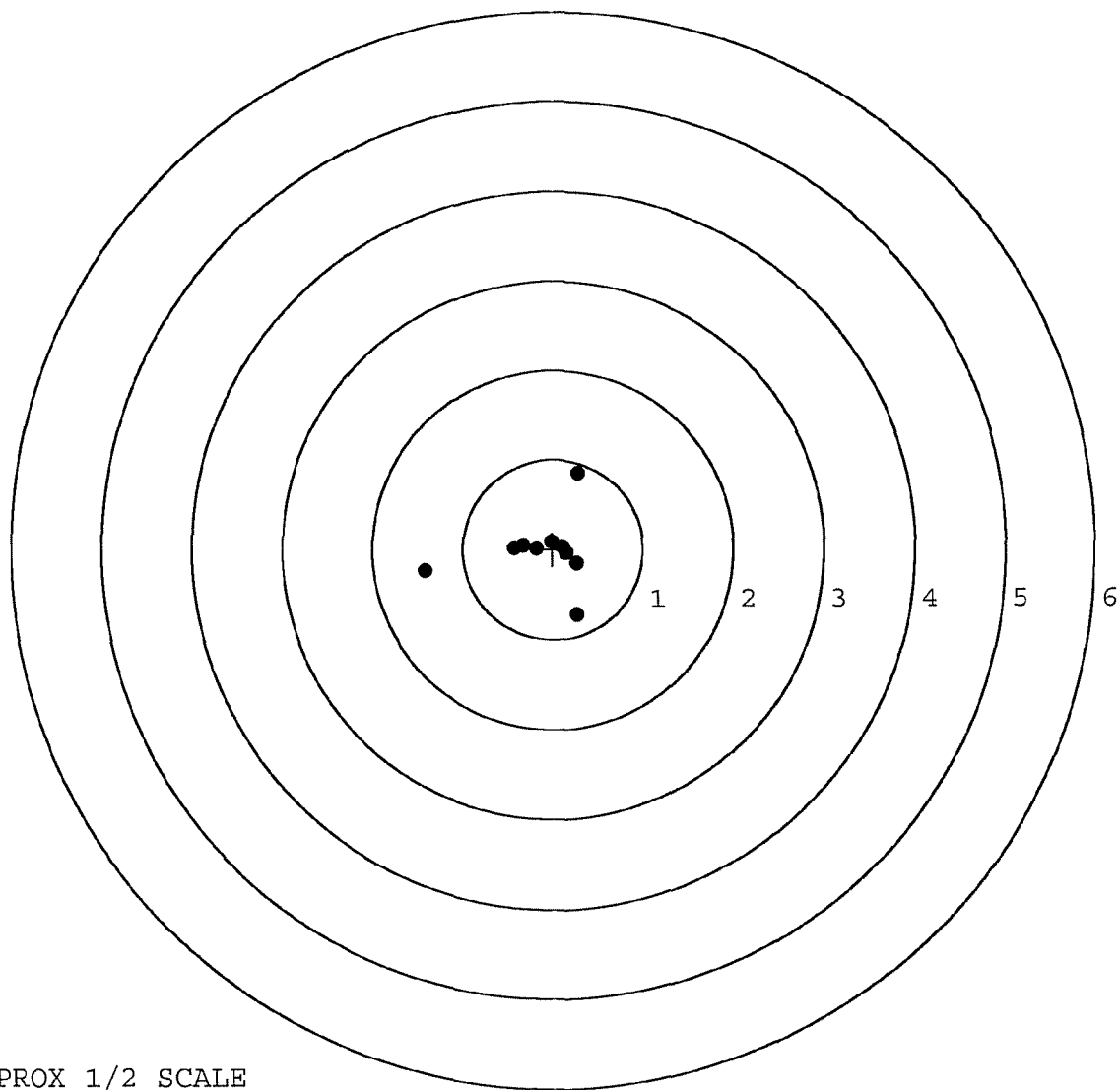
MEAN RADIUS: 0.475

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.280	0.852
2:	0.266	-0.164
3:	0.263	-0.728
4:	-1.419	-0.243
5:	-0.428	0.019
6:	-0.182	0.008
7:	-0.014	0.082
8:	0.153	-0.050
9:	0.109	0.025
10:	-0.333	0.042



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594566. __0

TARGET NUMBER: 2

FILE DATE: 01/09/2002

FILE TIME: 02:20

X CENTROID: -0.149

Y CENTROID: 0.160

POA TO CENTROID: 0.219

HORZ SPREAD: 1.546

VERT SPREAD: 1.219

GROUP SPREAD: 1.510

MIN RADIUS: 0.052

MAX RADIUS: 0.904

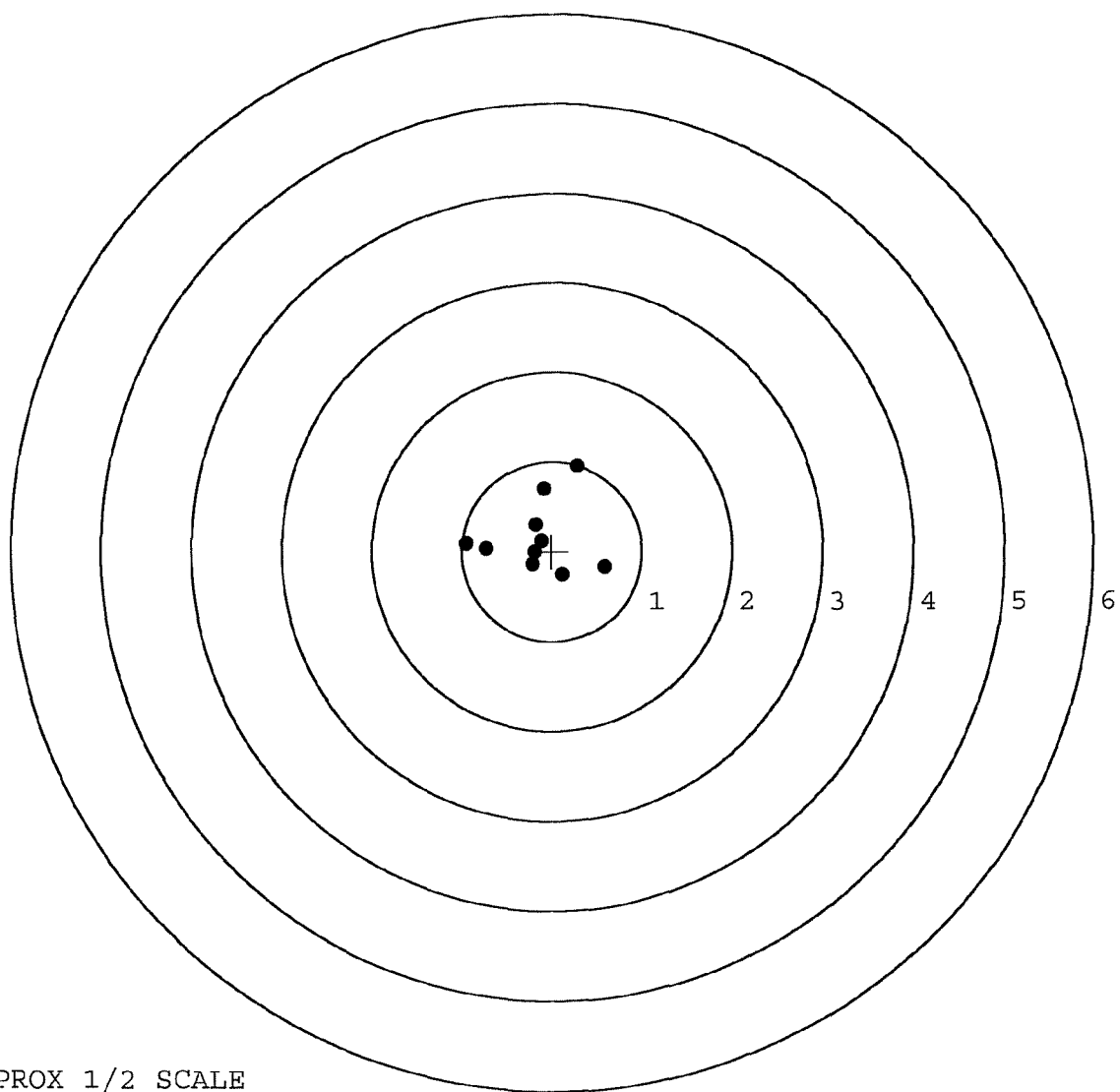
MEAN RADIUS: 0.484

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

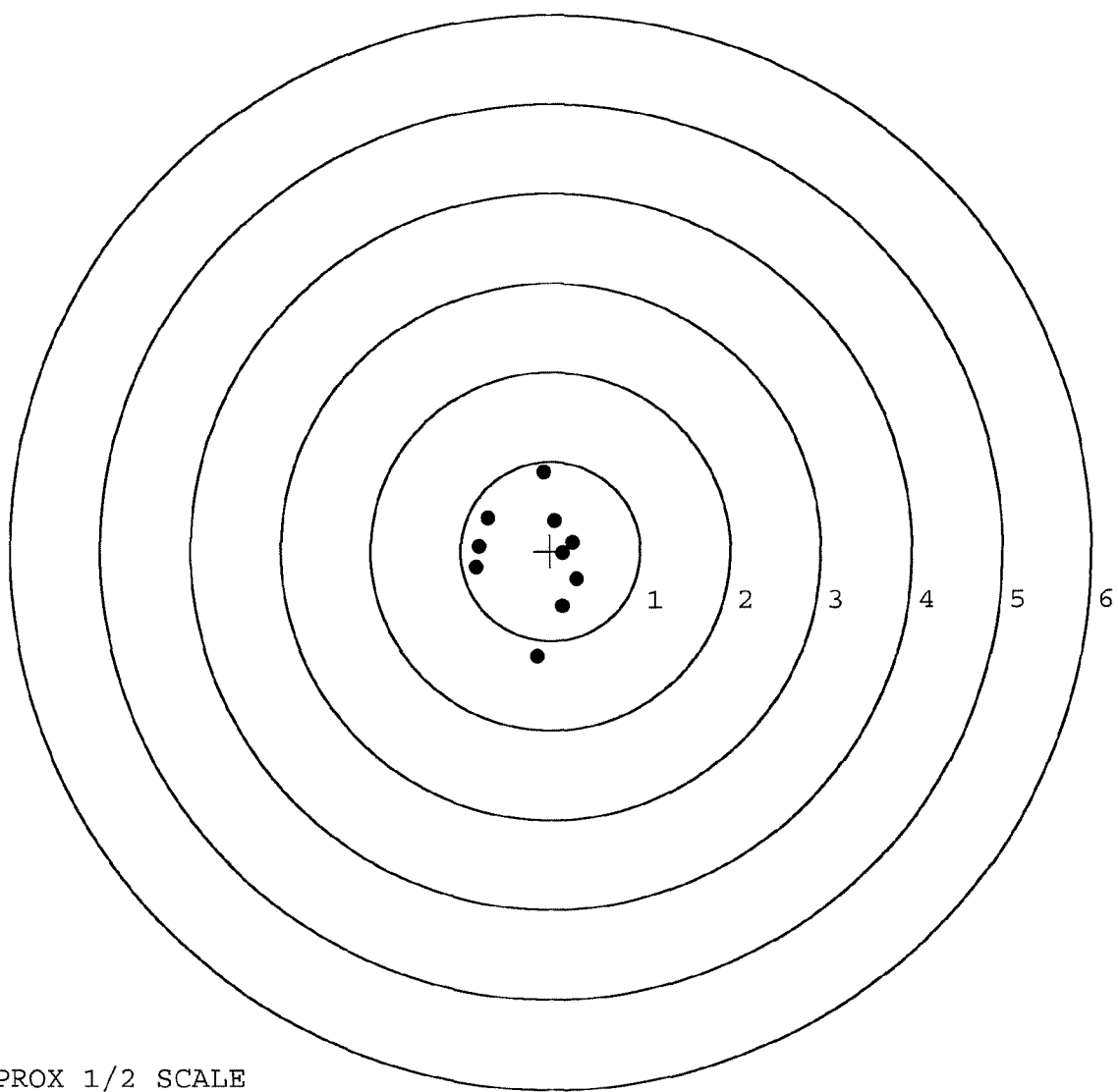
POINT#	X	Y
1:	0.285	0.953
2:	-0.092	0.697
3:	-0.953	0.088
4:	-0.730	0.028
5:	0.593	-0.170
6:	0.117	-0.266
7:	-0.192	-0.010
8:	-0.119	0.118
9:	-0.185	0.300
10:	-0.216	-0.140



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594566. __ 0
TARGET NUMBER: 3
FILE DATE: 01/09/2002
FILE TIME: 02:20

	POINT#	X	Y
	1:	-0.074	0.879
	2:	-0.698	0.369
	3:	-0.826	-0.184
	4:	-0.153	-1.180
X CENTROID:	5:	0.132	-0.625
Y CENTROID:	6:	0.290	-0.317
POA TO CENTROID:	7:	0.135	-0.027
HORZ SPREAD:	8:	0.250	0.087
VERT SPREAD:	9:	0.040	0.340
GROUP SPREAD:	10:	-0.787	0.058
MIN RADIUS:		0.306	
MAX RADIUS:		1.120	
MEAN RADIUS:		0.641	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		9	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594566. __0

TARGET NUMBER: 4

FILE DATE: 01/09/2002

FILE TIME: 02:20

X CENTROID: -0.009

Y CENTROID: 0.028

POA TO CENTROID: 0.029

HORZ SPREAD: 1.091

VERT SPREAD: 0.887

GROUP SPREAD: 1.104

MIN RADIUS: 0.025

MAX RADIUS: 0.664

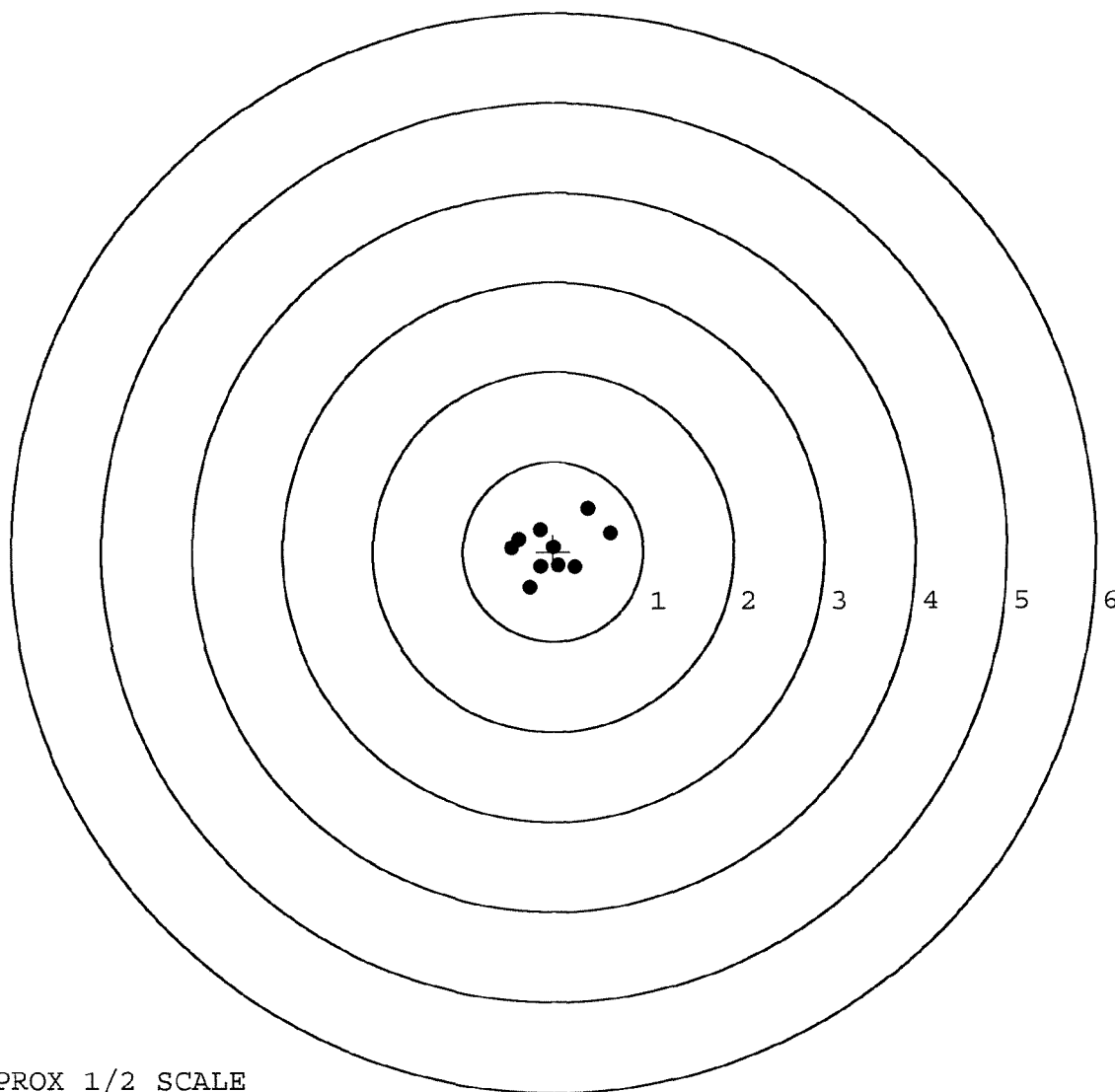
MEAN RADIUS: 0.365

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.383	0.484
2:	0.629	0.211
3:	-0.462	0.041
4:	-0.150	0.246
5:	-0.263	-0.403
6:	0.242	-0.168
7:	-0.146	-0.167
8:	0.003	0.049
9:	-0.385	0.139
10:	0.056	-0.157



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594566. __0

TARGET NUMBER: 5

FILE DATE: 01/09/2002

FILE TIME: 02:20

X CENTROID: -0.208

Y CENTROID: -0.043

POA TO CENTROID: 0.213

HORZ SPREAD: 1.616

VERT SPREAD: 0.857

GROUP SPREAD: 1.629

MIN RADIUS: 0.054

MAX RADIUS: 1.159

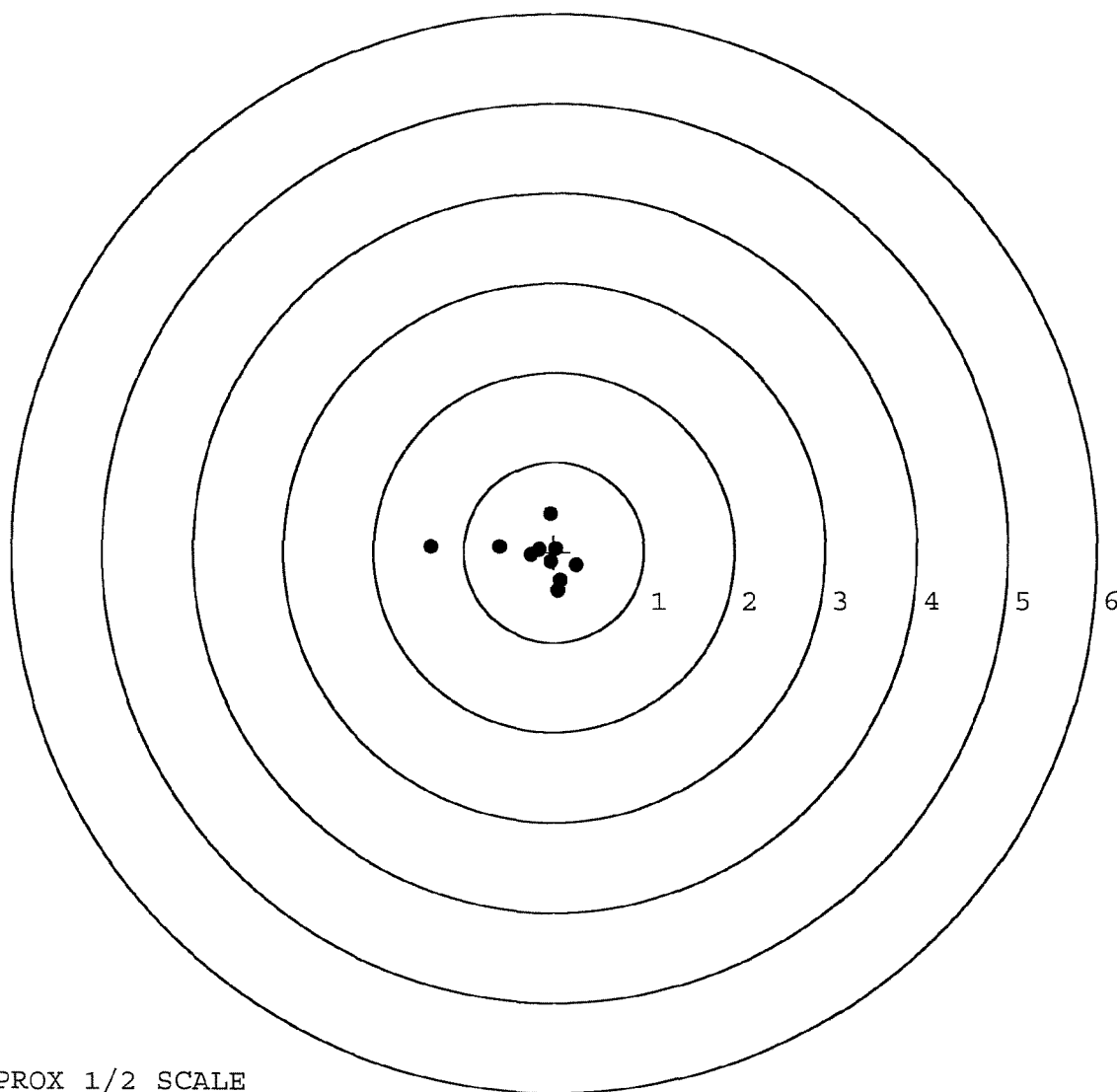
MEAN RADIUS: 0.396

IN 1 IN DIAMETER: 9

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.363	0.055
2:	-0.603	0.057
3:	-0.046	0.424
4:	0.045	-0.433
5:	0.253	-0.151
6:	-0.260	-0.027
7:	0.021	0.040
8:	0.069	-0.316
9:	-0.165	0.031
10:	-0.034	-0.110



TARGET APPROX 1/2 SCALE




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

REC. U.S. PAT. & TM. OFF.

MODEL 700TM H24

SERIAL NO.
C6594566

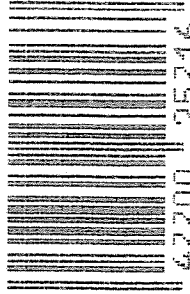
ORDER NO.
5716

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



5716 C6594566

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594566

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	Y.B.
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		W/B
620	Apply Coatings (Barrel Action)		1-22-91	BA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	KS
	C) Inspect Ejector Hole for Chamfer		1/28/91	KS
	D) Oil Firing Pin Ass'y		1/28/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/29/91	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4 ³ / ₄	5			1/29/91	WLB
	G) Safety Off Force	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂			1/29/91	WLB
	H) Trigger Pull Test & Retainability						1/29/91	JS
	I) Firing Pin Indent	.0207	.0203	.0205			1/29/91	WLB
	J) Assemble Stock						1/29/91	KS
	K) Assemble Swivel Studs						2-1-91	JS
	L) Attach Front and Rear Sight Assemblies						1/29/91	KS
	M) Iron Sight Alignment						1/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/29/91	KS
	O) Attach Scope to Rifle						1/29/91	KS
	P) Detach & Attach Scope 20 Times						1/29/91	KS
640	Gallery Target & Test						1/29/91	KS
	A) Time							JS
	B) Malfunctions							JS
	C) Pierced Primers							JS
	D) Optical Clarity of Scope							JS
645	Inspect for Live Ammo						1/29/91	JS
655	Final Inspection							
	A) Headspace						2-1-91	AC
	B) Trigger Pull	2.26	2.18	2.20	2.24	2.20	2-1-91	JS
	C) Function						2-1-91	AC
660	Pack						3-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594866

DATE 2-1-98

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.23	2.19	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.28	2.18	2.18	
PULL #3	2.57	2.32	2.29	2.20	
PULL #4	2.53	2.33	2.50	2.24	
PULL #5	2.35	2.36	2.52	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.20		
PULL #2	3.50	3.25		
PULL #3	3.51	3.24		
PULL #4	3.40	3.41		
PULL #5	3.55	3.51		
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	4.15		4.27
PULL #2	4.25	4.36		4.26
PULL #3	4.51	4.40		4.41
PULL #4	4.35	4.15		4.37
PULL #5	4.17	4.15		4.52
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594566
30 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0300167
1 TO	2	.122016
1 TO	3	.0838153
1 TO	4	.144534
1 TO	5	.362552

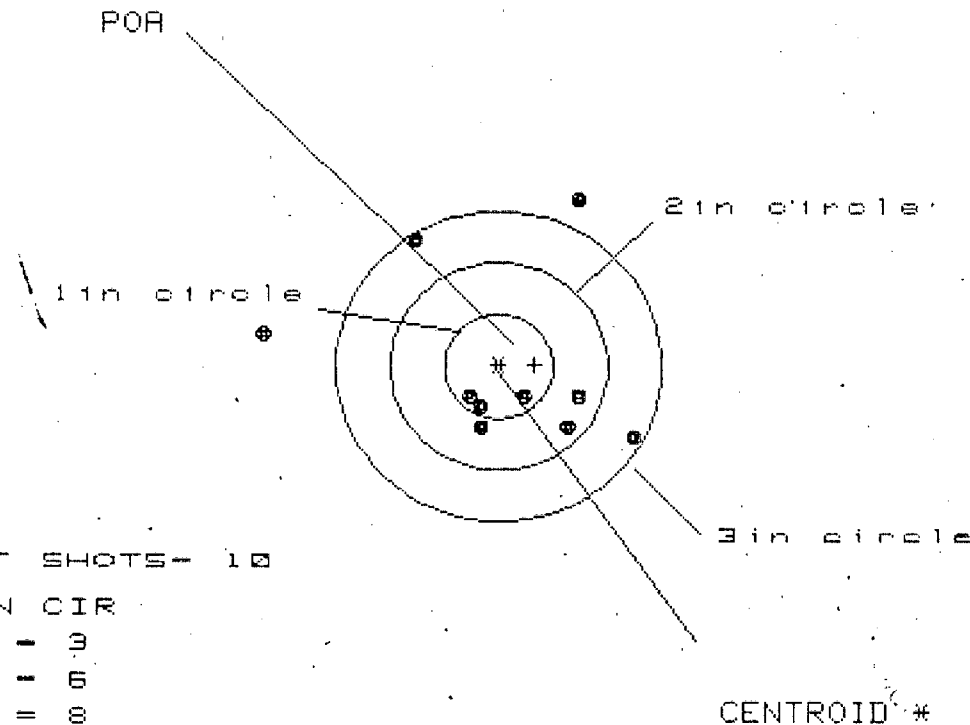
340 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0794
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0026
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0794426
THE AMR FOR THIS RIFLE IS: .9234

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594566

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 3.417

VS= 2.255

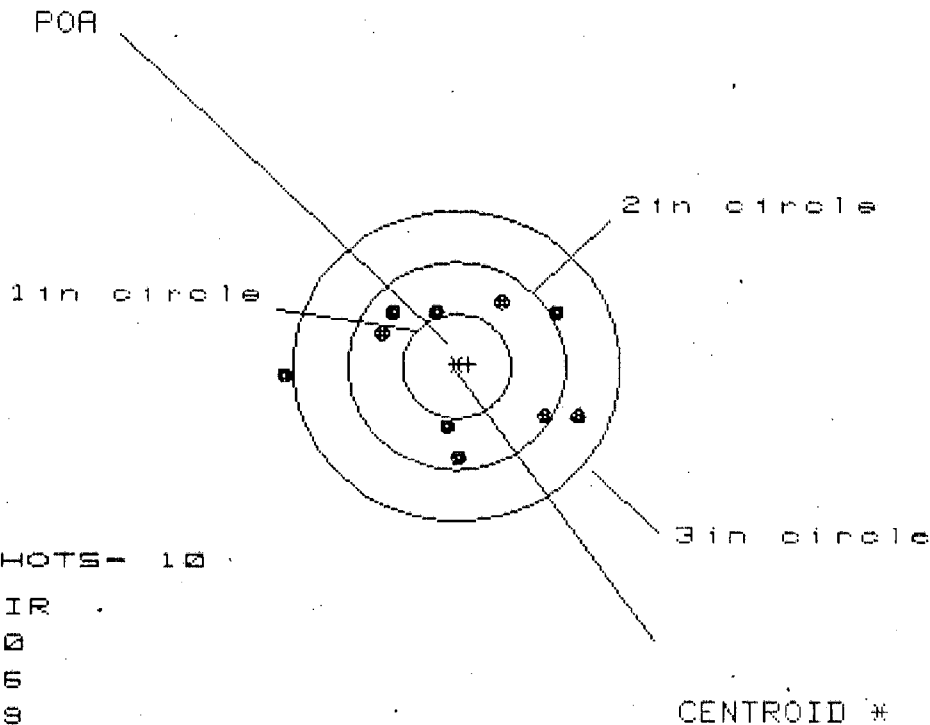
GS= 3.550

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.232	.989	1.047
MINIMUM X	-2.185	-.968	-.910
MAXIMUM Y	1.572	1.603	1.470
MINIMUM Y	-.683	-.652	-.452
CENTROID X	-.332	-.089	-.147
CENTROID Y	-.019	-.050	-.250
POA TO CENTROID in.	.333	.102	.290
MIN RADIUS	.367	.207	.097
MEAN RADIUS	1.023	.859	.683
MAX RADIUS	2.203	1.668	1.729
HORIZONTAL SPREAD	3.417	1.957	1.957
VERTICAL SPREAD	2.255	2.255	1.922
EXTREME SPREAD	3.550	2.743	2.743
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594566

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 2.692

VS= 1.482

GS= 2.722

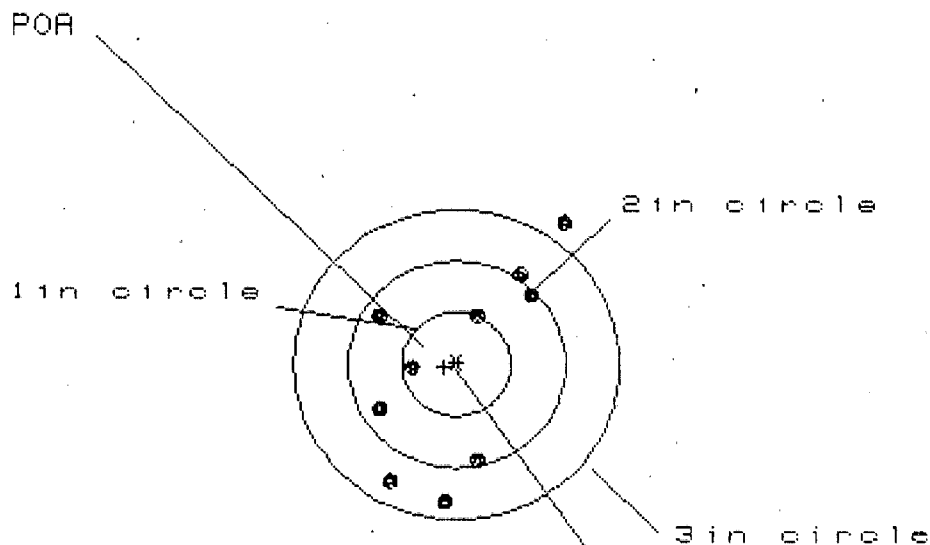
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.078	.899	.895
MINIMUM X	-1.614	-.896	-.784
MAXIMUM Y	.604	.598	.539
MINIMUM Y	-.878	-.884	-.943
CENTROID X	-.113	.066	-.046
CENTROID Y	-.020	-.014	.044
POA TO CENTROID in.	.115	.068	.064
MIN RADIUS	.557	.626	.529
MEAN RADIUS	.918	.833	.795
MAX RADIUS	1.615	1.013	1.004
HORIZONTAL SPREAD	2.692	1.795	1.679
VERTICAL SPREAD	1.482	1.482	1.482
EXTREME SPREAD	2.722	1.968	1.795
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594566

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR .

1in = 2

2in = 6

3in = 9

HS= 1.675

VS= 2.625

GS= 2.900

CENTROID #

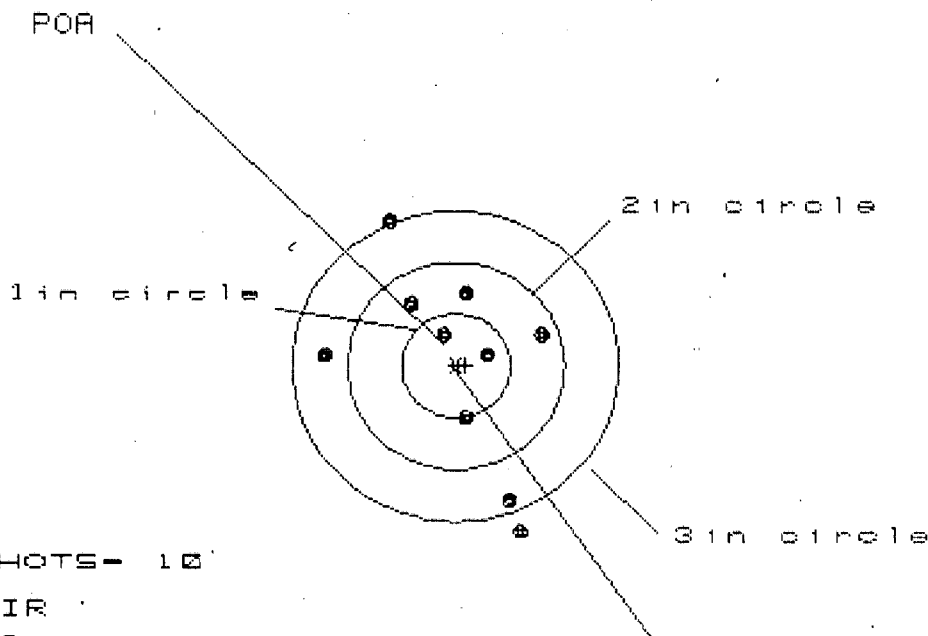
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.947	.790	.784
MINIMUM X	:	-.729	-.623	-.629
MAXIMUM Y	:	1.341	1.052	.910
MINIMUM Y	:	-1.284	-1.135	-1.113
CENTROID X	:	.110	.004	.010
CENTROID Y	:	.026	-.123	.019
POA TO CENTROID in.	:	.113	.123	.021
MIN RADIUS	:	.425	.343	.326
MEAN RADIUS	:	.977	.888	.842
MAX RADIUS	:	1.641	1.279	1.215
HORIZONTAL SPREAD	:	1.675	1.413	1.413
VERTICAL SPREAD	:	2.625	2.187	2.023
EXTREME SPREAD	:	2.900	2.357	2.357
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594566

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 1.960

VS= 3.002

GS= 3.230

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.785

.847

.775

MINIMUM X

-1.175

-1.113

-1.185

MAXIMUM Y

1.381

1.201

.697

MINIMUM Y

-1.621

-1.480

-1.329

CENTROID X

-.092

-.154

-.082

CENTROID Y

-.001

.179

.029

POA TO CENTROID in.

.092

.236

.087

MIN RADIUS

.292

.102

.268

MEAN RADIUS

.918

.795

.738

MAX RADIUS

1.713

1.571

1.406

HORIZONTAL SPREAD

1.960

1.960

1.960

VERTICAL SPREAD

3.002

2.681

2.026

EXTREME SPREAD

3.230

2.899

2.130

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594566

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10.

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.634

VS= 1.983

GS= 2.402

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.837	.899	.808
MINIMUM X	-.797	-.735	-.826
MAXIMUM Y	.677	.532	.426
MINIMUM Y	-1.386	-.848	-.592
CENTROID X	.030	-.032	.058
CENTROID Y	.001	.146	.252
POA TO CENTROID in.	.030	.149	.258
MIN RADIUS	.323	.291	.184
MEAN RADIUS	.781	.682	.607
MAX RADIUS	1.420	1.114	.963
HORIZONTAL SPREAD	1.634	1.634	1.634
VERTICAL SPREAD	1.983	1.380	1.018
EXTREME SPREAD	2.402	1.889	1.889
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	