

C6348753

MODEL 700TM M24

Model SMSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

BARBER - M24 0063150

02/07/00 10:10:30

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: RE00141339
Verify Repair

Serial: C6438753 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:
Status: Closed 2/7/2000 8:33:48 AM

High Priority

Address Information

Customer:
Received From

Return To:
Received From

Name: TRANSPORTATION OFFICER

Address 1: HQ US ARMY AIR DEFENSE ARTILLERY CEN

Address 2: ATTN: ATZCISL -TM BLDG
PO Box:

City: FORT BLISS

State: TX
Zip Code: 79916
Country: US

State: TX
Zip Code: 79916
Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Received Condition

Accessories Received

Phone: NN

Fax:

Email:

Comments:

Fair

Condition Notes:

CSR Notes:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj
2/7/2000
4:16 PM
NUM

Start

...

...

...

...

...

...

...

...

...

34

Number: C6348753

Model: M24 SWS

RE00141339

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149R & E NUMBER 00141339SERIAL NUMBER C6438753 C6348753 ^{SD}LOG-IN DATE 2-7-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-20-08	L.P.D.
505	RE-BARREL	2-20-08	L.P.D.
560	ASSEMBLE	2-20-08	L.P.D.
600	PROOF	2-20-08	TRW
605	CHECK HEADSPACE	2-20-08	TRW
610	DIS-ASSEMBLE GUN	3-12-08	RTZ
612	MAGNAFLUX	3-14-08	und
510	DRILL AND TAP	3-12-08	FM
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DG
620	APPLY COATINGS	3-20-08	HP
625	FINAL ASSEMBLY	4-2-08	L.P.D.
640	FUNCTION TEST AND	4-4-08	SD
650	TARGET	4-4-08	SD
	MALFUNCTION <i>Hand under Rail</i>	CORRECTION OK	4-16-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	4-4-08 TRW
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	4-16-08
	B) TRIGGER PULL	2.59 260 265 274 265 4-16-08	PR
680	F) SAFETY ON FORCE	5 ⁰ 5 ⁰ 5 ⁰ 4-16-08	RTZ
	G) SAFETY OFF FORCE	2 ⁰ 2 ⁰ 2 ⁰ 4-16-08	RTZ
	I) FIRING PIN INDENT	.022 .022 .022 4-16-08	RTZ
690	PACK		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348753.___0
FILE DATE AND TIME: 04/04/2008 09:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

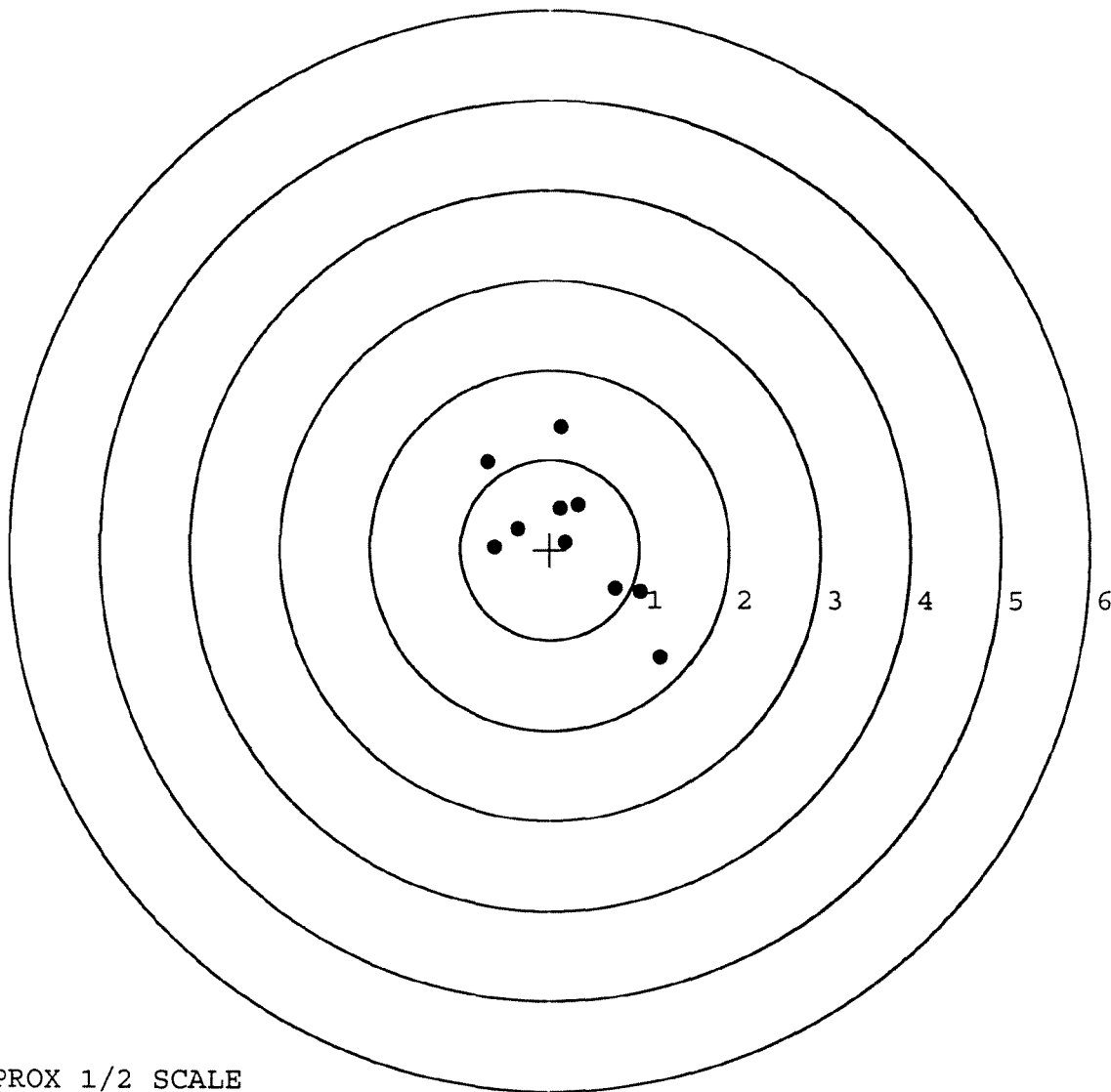
The Average X Centroid of the Five Target Set:	-0.063
The Average Y Centroid of the Five Target Set:	-0.195
The Average Point of Impact of the Five Target Set:	0.205
The Average Mean Radius of the Five Target Set:	0.834
The Distance from POA to Centroid Target #1:	0.255
The Distance from Centroid Target #2 to Centroid Target #1:	0.678
The Distance from Centroid Target #3 to Centroid Target #1:	0.536
The Distance from Centroid Target #4 to Centroid Target #1:	0.528
The Distance from Centroid Target #5 to Centroid Target #1:	0.575

BARBER - M24 0063153

SERIAL NUMBER: C6348753. __0
 TARGET NUMBER: 1
 FILE DATE: 04/04/2008
 FILE TIME: 09:49

POINT#	X	Y
1:	0.122	1.361
2:	0.316	0.497
3:	0.118	0.458
4:	0.177	0.080
5:	-0.366	0.229
6:	-0.615	0.031
7:	-0.698	0.978
8:	0.732	-0.433
9:	1.009	-0.469
10:	1.231	-1.187

X CENTROID: 0.203
 Y CENTROID: 0.155
 POA TO CENTROID: 0.255
 HORZ SPREAD: 1.929
 VERT SPREAD: 2.548
 GROUP SPREAD: 2.900
 MIN RADIUS: 0.079
 MAX RADIUS: 1.690
 MEAN RADIUS: 0.808
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



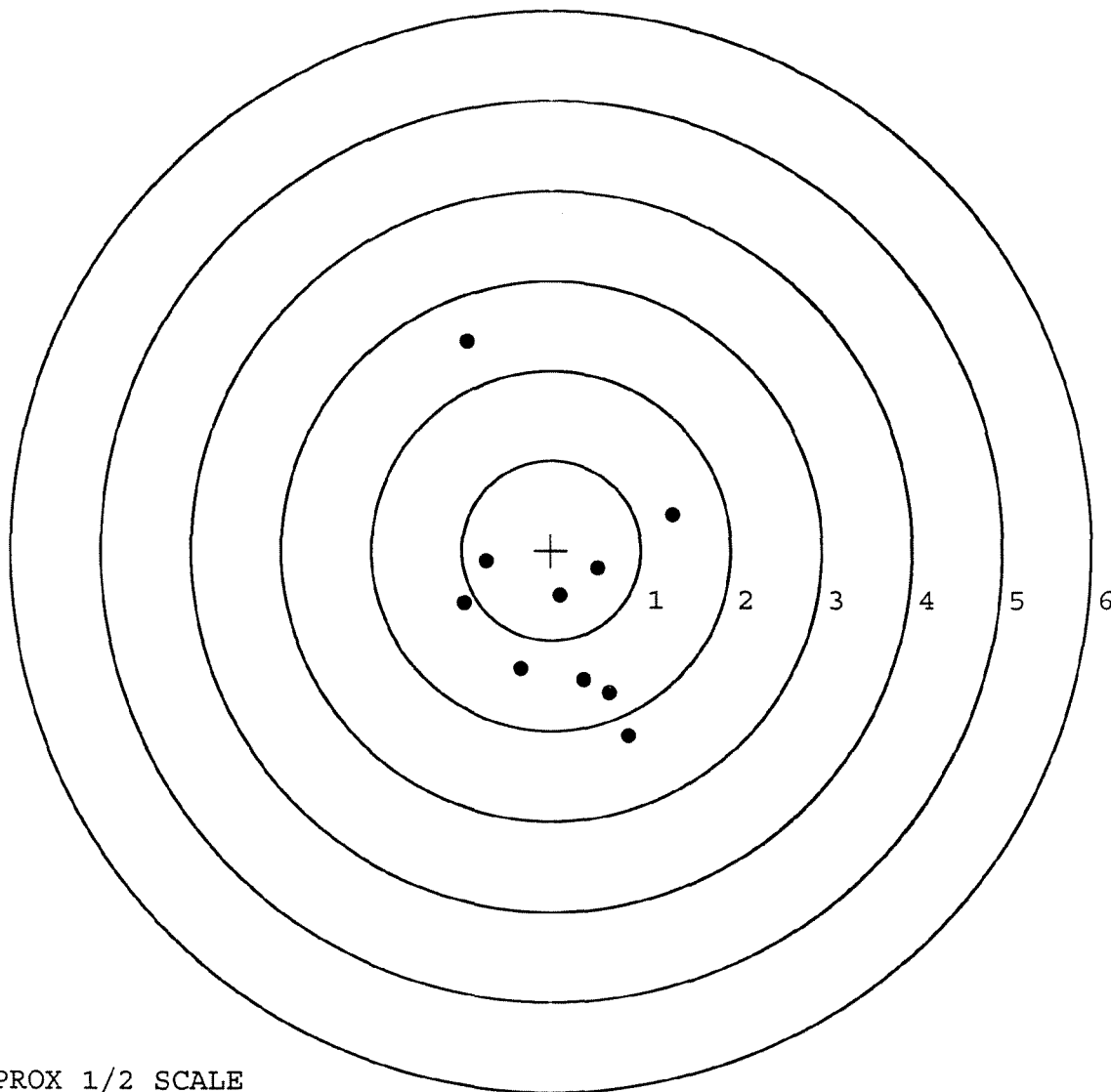
TARGET APPROX 1/2 SCALE

BARBER - M24 0063154

SERIAL NUMBER: C6348753. __0
 TARGET NUMBER: 2
 FILE DATE: 04/04/2008
 FILE TIME: 09:49

POINT#	X	Y
1:	1.348	0.396
2:	0.521	-0.202
3:	0.102	-0.509
4:	-0.724	-0.126
5:	-0.968	-0.595
6:	-0.338	-1.325
7:	0.372	-1.441
8:	0.651	-1.592
9:	0.860	-2.065
10:	-0.937	2.324

X CENTROID: 0.089
 Y CENTROID: -0.513
 POA TO CENTROID: 0.521
 HORZ SPREAD: 2.316
 VERT SPREAD: 4.389
 GROUP SPREAD: 4.743
 MIN RADIUS: 0.014
 MAX RADIUS: 3.017
 MEAN RADIUS: 1.191
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0063155

SERIAL NUMBER: C6348753. __0

TARGET NUMBER: 3

FILE DATE: 04/04/2008

FILE TIME: 09:49

POINT#	X	Y
1:	-0.720	1.298
2:	-0.109	0.703
3:	-0.142	0.585
4:	-0.194	0.382
5:	0.255	0.151
6:	0.064	-0.375
7:	-0.223	-0.790
8:	-0.453	-0.921
9:	-0.476	-1.225
10:	-0.564	-1.035

X CENTROID: -0.256

Y CENTROID: -0.123

POA TO CENTROID: 0.284

HORZ SPREAD: 0.975

VERT SPREAD: 2.523

GROUP SPREAD: 2.535

MIN RADIUS: 0.408

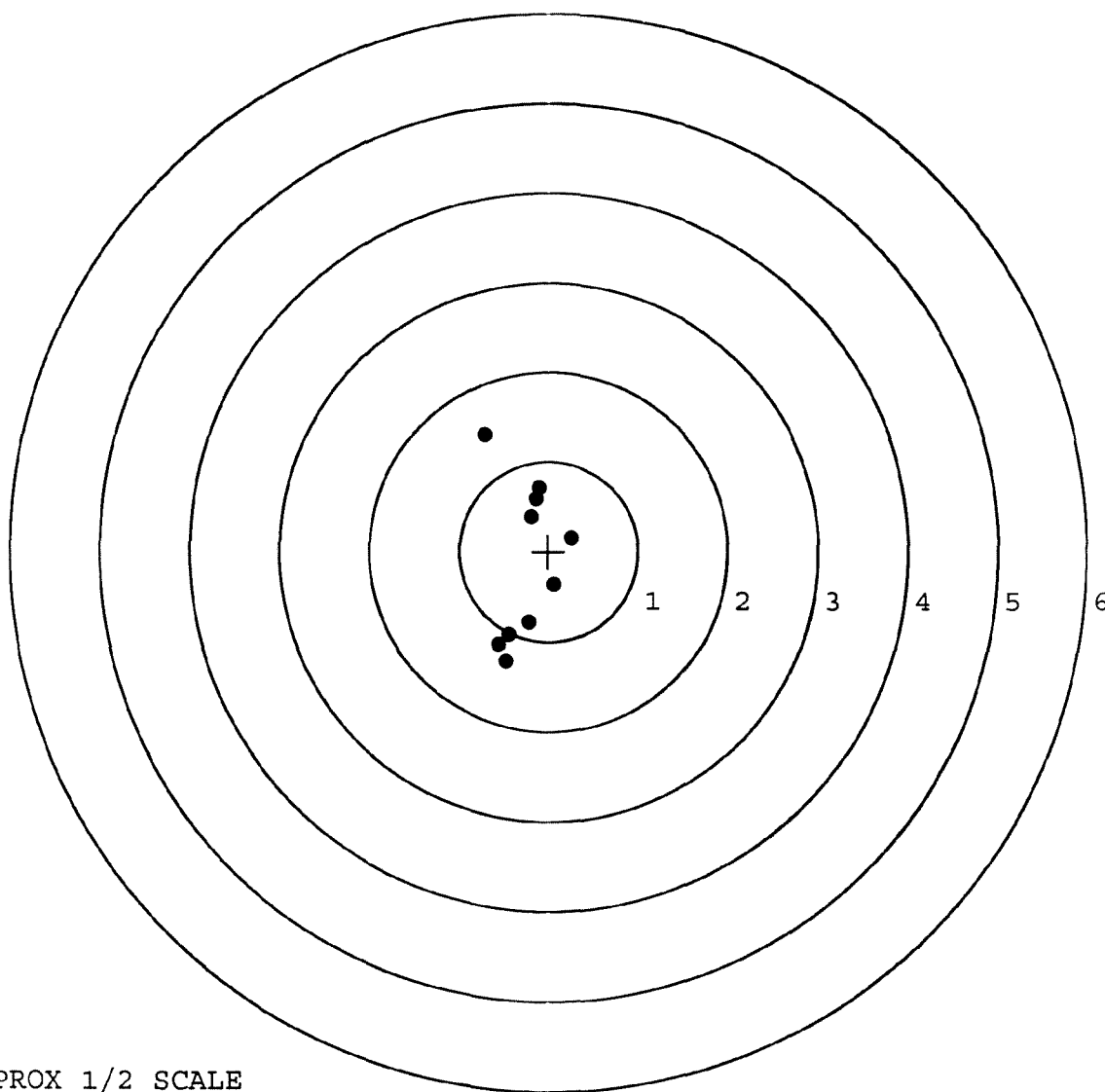
MAX RADIUS: 1.494

MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0063156

SERIAL NUMBER: C6348753. __0

TARGET NUMBER: 4

FILE DATE: 04/04/2008

FILE TIME: 09:49

POINT#	X	Y
1:	-0.015	0.222
2:	-0.408	0.270
3:	-0.677	-0.102
4:	-0.716	-0.378
5:	-1.233	-1.199
6:	-0.197	-0.755
7:	0.266	-0.085
8:	0.448	-0.273
9:	0.412	-0.884
10:	0.441	0.965

X CENTROID: -0.168

Y CENTROID: -0.222

POA TO CENTROID: 0.278

HORZ SPREAD: 1.681

VERT SPREAD: 2.164

GROUP SPREAD: 2.736

MIN RADIUS: 0.455

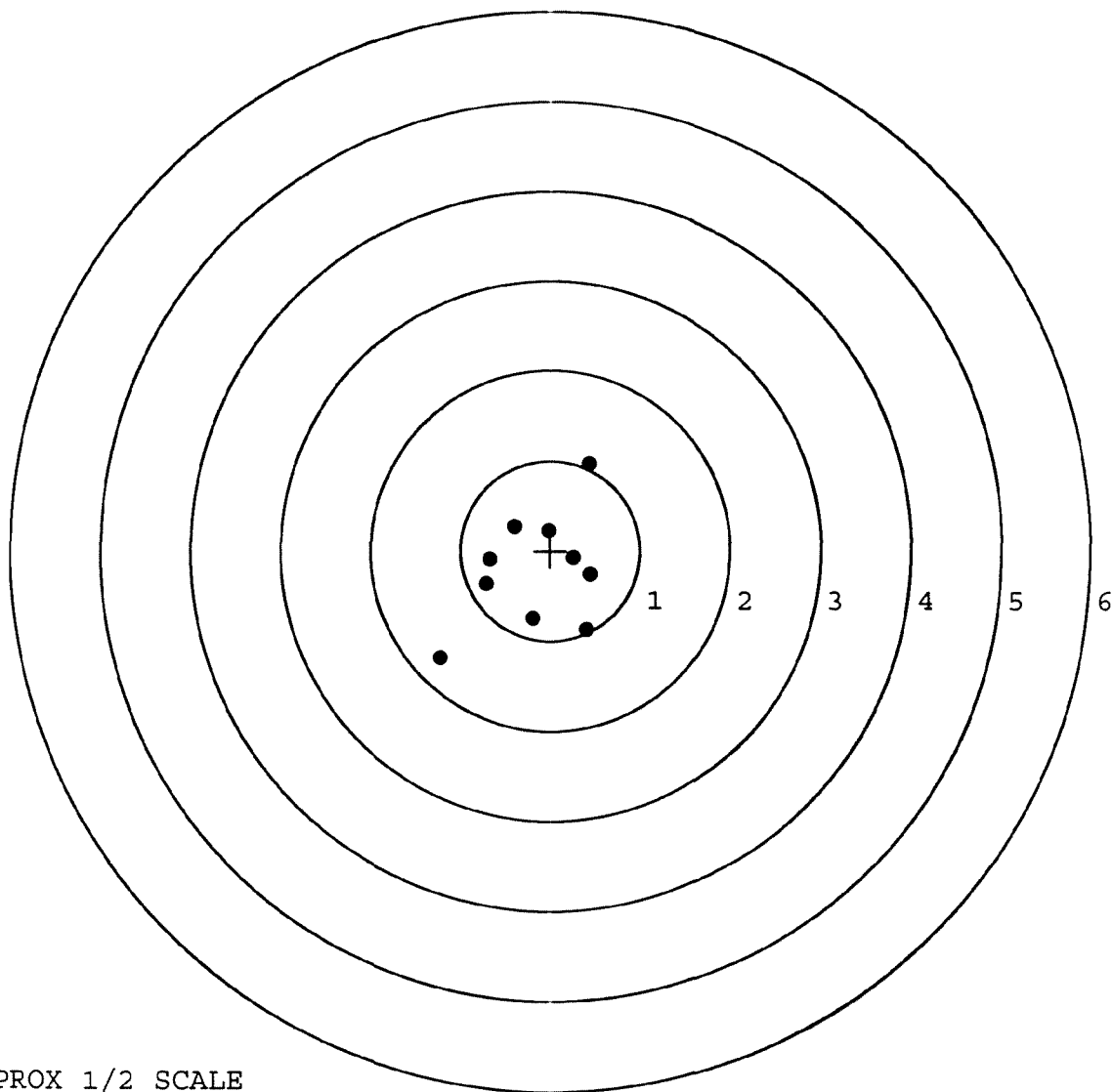
MAX RADIUS: 1.445

MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



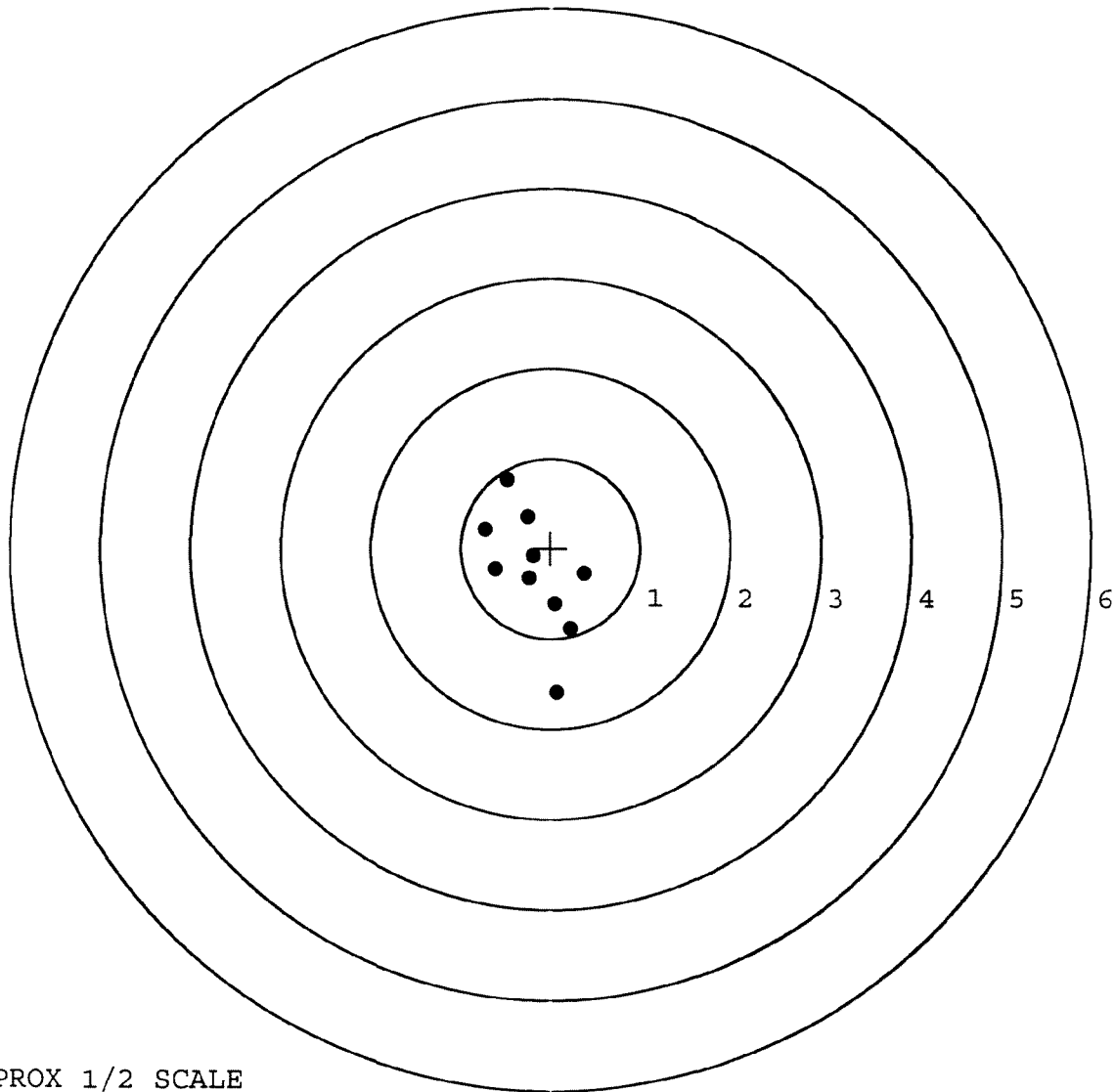
TARGET APPROX 1/2 SCALE

BARBER - M24 0063157

SERIAL NUMBER: C6348753. 0
 TARGET NUMBER: 5
 FILE DATE: 04/04/2008
 FILE TIME: 09:49

POINT#	X	Y
1:	-0.485	0.764
2:	-0.264	0.348
3:	-0.734	0.213
4:	-0.615	-0.238
5:	-0.198	-0.089
6:	-0.244	-0.335
7:	0.374	-0.280
8:	0.051	-0.623
9:	0.225	-0.895
10:	0.072	-1.602

X CENTROID: -0.182
 Y CENTROID: -0.274
 POA TO CENTROID: 0.329
 HORZ SPREAD: 1.108
 VERT SPREAD: 2.366
 GROUP SPREAD: 2.431
 MIN RADIUS: 0.087
 MAX RADIUS: 1.352
 MEAN RADIUS: 0.622
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348753

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	YB
618	Polish Barrel <i>RVB</i>	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	GIS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/2/89	JH
	G) Safety Off Force	4	4	4			10/2/89	JH
	H) Trigger Pull Test & Retainability						3/18/89	JH
	I) Firing Pin Indent	.0215	.021	.022			10/2/89	JH
	J) Assemble Stock						10/2/89	JH
	K) Assemble Swivel Studs						4/6/89	JH
	L) Attach Front and Rear Sight Assemblies						10/2/89	JH
	M) Iron Sight Alignment						10/2/89	JH
	N) Detach Front & Rear Sights & place in numbered container						10/2/89	JH
	O) Attach Scope to Rifle						10/3/89	JH
	P) Detach & Attach Scope 20 Times						10/3/89	JH
640	Gallery Target & Test						10-3-89	DH
	A) Time						10-3-89	DH
	B) Malfunctions						10-3-89	DH
	C) Pierced Primers						10-3-89	DH
	D) Optical Clarity of Scope						10-3-89	DH
645	Inspect for Live Ammo						10-3-89	DH
655	Final Inspection							
	A) Headspace						4/6/89	JH
	B) Trigger Pull	232	230	228	227	218	4/6/89	JH
	C) Function						4/6/89	JH
660	Pack						14 Dec 89	JH

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

SERIAL NO. 6348753DATE 3-13-90TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.40	2.62	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.44	2.55	
PULL #3	2.44	2.60	2.33	
PULL #4	2.56	2.54	2.44	
PULL #5	2.50	2.59	2.52	
TOTAL	12.34	12.79	12.54	
AVG.	2.468	2.558	2.508	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.27	3.53	
PULL #2	3.25	3.48	
PULL #3	3.38	3.52	
PULL #4	3.36	3.42	
PULL #5	3.50	3.40	
TOTAL	16.76	17.35	
AVG.	3.352	3.47	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.48		
PULL #2	4.37	4.51		
PULL #3	4.54	4.48		
PULL #4	4.53	4.35		
PULL #5	4.24	4.42		
TOTAL	22.01	22.24		
AVG.	4.402	4.448		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348753
3 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.682374
1 TO	2	.400792
1 TO	3	1.038
1 TO	4	.728097
1 TO	5	1.27064

$\begin{matrix} 5_3 \\ 4t_2 \\ 1 \end{matrix}$
 $\leftarrow$ ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0408
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0028
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .040896

THE AMR FOR THIS RIFLE IS: .975

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348753

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 1.697

VS= 2.915

GS= 3.111

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.948	1.041	1.124
MINIMUM X	:	-.749	-.656	-.573
MAXIMUM Y	:	1.434	1.588	1.422
MINIMUM Y	:	-1.481	-1.327	-1.152
CENTROID X	:	.153	.060	-.023
CENTROID Y	:	-.665	-.819	-.653
POA TO CENTROID in.	:	.683	.821	.653
MIN RADIUS	:	.470	.304	.368
MEAN RADIUS	:	1.051	.952	.881
MAX RADIUS	:	1.616	1.642	1.461
HORIZONTAL SPREAD	:	1.697	1.697	1.697
VERTICAL SPREAD	:	2.915	2.915	2.574
EXTREME SPREAD	:	3.111	3.111	2.626
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346753

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.907

VS = 1.802

GS = 2.436

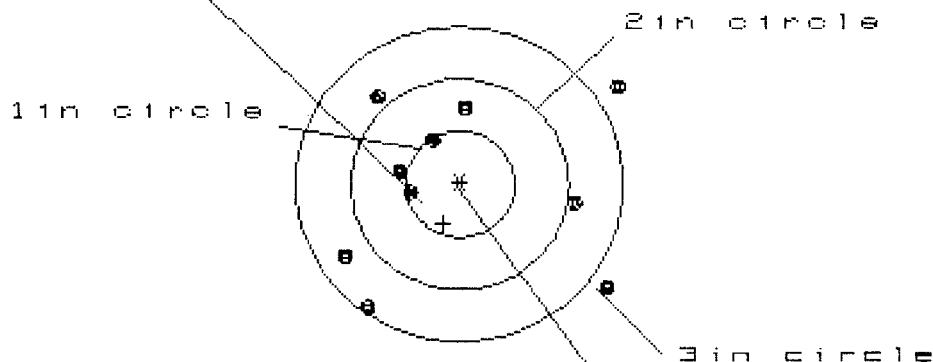
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.951	1.040	1.169
MINIMUM X	-.956	-.867	-.738
MAXIMUM Y	.993	.972	.884
MINIMUM Y	-.809	-.698	-.448
CENTROID X	.208	.119	-.010
CENTROID Y	-.268	-.379	-.291
POR TO CENTROID in.	.339	.397	.292
MIN RADIUS	.384	.245	.247
MEAN RADIUS	.836	.757	.703
MAX RADIUS	1.275	1.245	1.172
HORIZONTAL SPREAD	1.907	1.907	1.907
VERTICAL SPREAD	1.802	1.670	1.332
EXTREME SPREAD	2.436	2.436	2.028
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348753

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.502

VS = 2.096

GS = 3.176

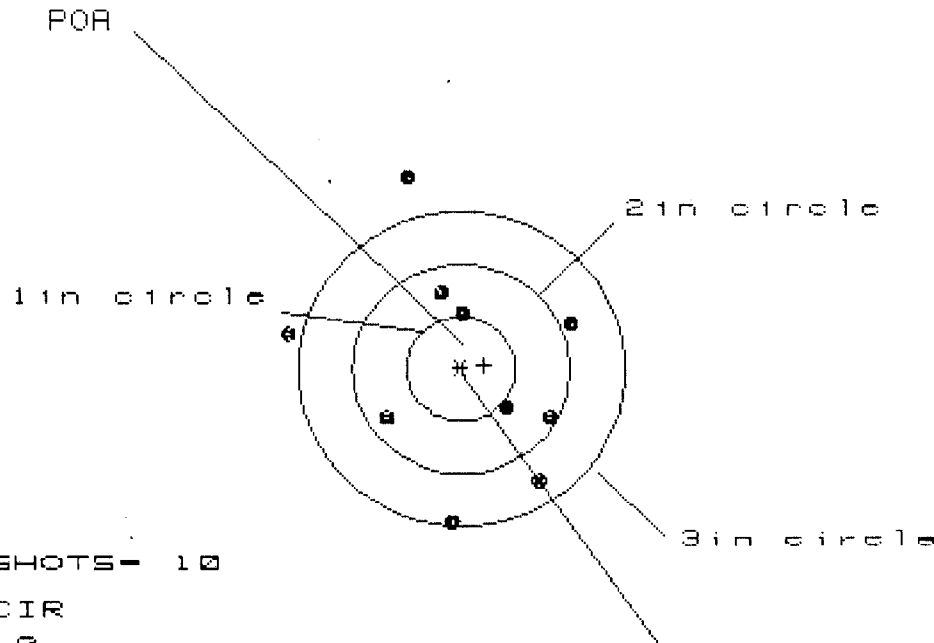
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.492	1.516	1.356
MINIMUM X	:	-1.010	-.844	-.654
MAXIMUM Y	:	.901	.923	.810
MINIMUM Y	:	-1.195	-1.095	-1.208
CENTROID X	:	.151	-.015	-.205
CENTROID Y	:	.373	.273	.386
POA TO CENTROID in.	:	.403	.274	.437
MIN RADIUS	:	.411	.239	.104
MEAN RADIUS	:	1.055	.948	.776
MAX RADIUS	:	1.743	1.765	1.371
HORIZONTAL SPREAD	:	2.502	2.360	2.010
VERTICAL SPREAD	:	2.096	2.018	2.010
EXTREME SPREAD	:	3.176	2.804	2.124
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348753

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.564

VS= 3.262

GS= 3.289

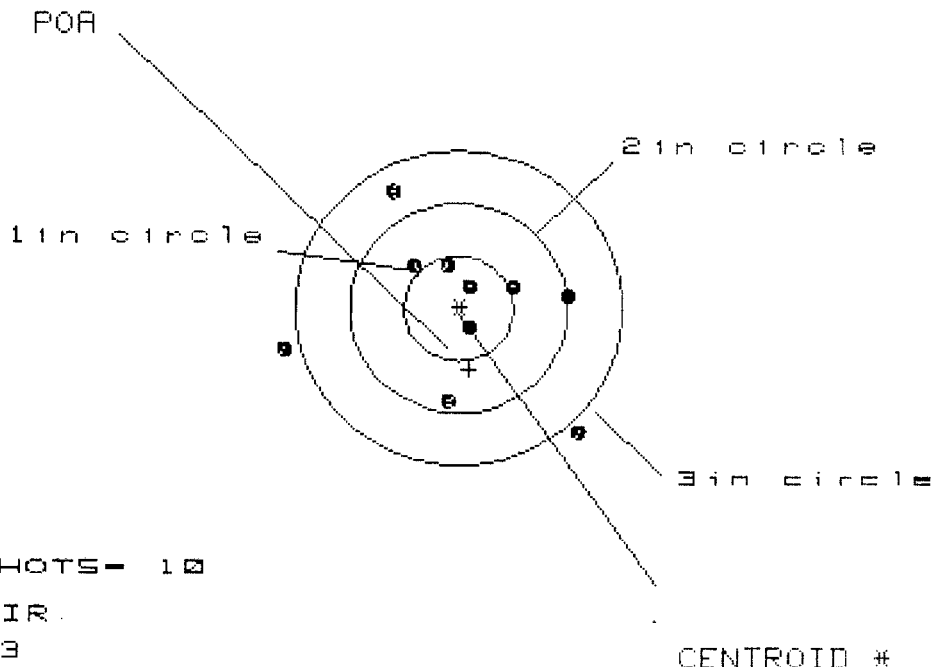
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.934	.730
MINIMUM X	:	-1.577	-1.630	-.921
MAXIMUM Y	:	1.796	.899	.962
MINIMUM Y	:	-1.466	-1.267	-1.204
CENTROID X	:	-.212	-.159	.045
CENTROID Y	:	-.035	-.235	-.298
POA TO CENTROID in.	:	.215	.283	.301
MIN RADIUS	:	.553	.391	.186
MEAN RADIUS	:	1.086	.982	.849
MAX RADIUS	:	1.858	1.706	1.245
HORIZONTAL SPREAD	:	2.564	2.564	1.651
VERTICAL SPREAD	:	3.262	2.166	2.166
EXTREME SPREAD	:	3.289	2.667	2.171
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346753

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR.

1 in = 3

2 in = 7

3 in = 8

HS = 2.755

VS = 2.241

GS = 2.869

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	.932	.928
MINIMUM X	-1.641	-.772	-.656
MAXIMUM Y	1.100	1.062	.914
MINIMUM Y	-1.141	-1.179	-1.058
CENTROID X	-.096	.086	-.030
CENTROID Y	.581	.619	.767
POA TO CENTROID in.	.589	.625	.767
MIN RADIUS	.188	.206	.046
MEAN RADIUS	.847	.734	.605
MAX RADIUS	1.676	1.503	1.125
HORIZONTAL SPREAD	2.755	1.704	1.584
VERTICAL SPREAD	2.241	2.241	1.973
EXTREME SPREAD	2.869	2.815	2.015
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	



MODEL 700™ H24

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

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

SERIAL NO.
C6348753

ORDER NO.
5716

01



5716 C6348753

LPC

