

C6587743

MODEL 700™ M24

Model **SMS**™

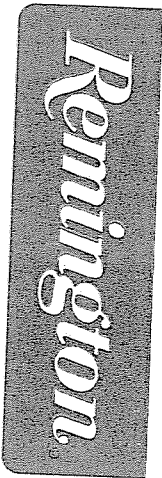
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



nagletj	9/9/2009	12:52 PM	CAPS	NUM	INS
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Serial Number: C6587743

Model: M24 SWS



RE00174700

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

174700

SERIAL NUMBER

C6587743

LOG-IN DATE

9-9-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-10-09	RTZ
505	RE-BARREL	9-11-09	RTZ
420	ASSEMBLE	9-11-09	RTZ
440	PROOF	9-11-09	SPD
460	CHECK HEADSPACE	9-11-09	SPD
470	DIS-ASSEMBLE GUN	9-11-09	SPD
480	MAGNAFLUX	9-14-09	RTZ
510	DRILL AND TAP	9-14-09	SP
500	ROLLMARK CALIBER	9-14-09	SP
520	GOFF BLAST BBL / REC	9-17-09	SP
530 & 540	APPLY COATINGS	9-18-09	
560	FINAL ASSEMBLY	9-29-09	RTZ
640	FUNCTION TEST AND	9-29-09	SPD
650	TARGET	9-29-09	SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-29-09	RP
	A) HEADSPACE	9-30-09	RTZ
	B) TRIGGER PULL	2.43 2.40 2.42 2.39 2.25 9-30-09	TL
680	F) SAFETY ON FORCE	2-0 2-0 2-0	
	G) SAFETY OFF FORCE	5-0 5-0 5-0 9-30-09	RTZ
	I) FIRING PIN INDENT	021 021 021	
690	PACK	10/6/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587743.___0
FILE DATE AND TIME: 09/30/2009 07:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.043
The Average Y Centroid of the Five Target Set:	0.049
The Average Point of Impact of the Five Target Set:	0.065
The Average Mean Radius of the Five Target Set:	0.764
The Distance from POA to Centroid Target #1:	0.070
The Distance from Centroid Target #2 to Centroid Target #1:	0.128
The Distance from Centroid Target #3 to Centroid Target #1:	0.116
The Distance from Centroid Target #4 to Centroid Target #1:	0.302
The Distance from Centroid Target #5 to Centroid Target #1:	0.162

BARBER - M24 0026238

SERIAL NUMBER: C6587743. __0

TARGET NUMBER: 1

FILE DATE: 09/30/2009

FILE TIME: 07:16

POINT#	X	Y
1:	0.528	1.202
2:	0.028	1.628
3:	-0.843	0.468
4:	-0.893	-0.523
5:	0.266	-0.991
6:	0.322	-0.029
7:	0.643	-0.129
8:	-0.230	-0.507
9:	0.455	-0.435
10:	0.427	-0.663

X CENTROID: 0.070

Y CENTROID: 0.002

POA TO CENTROID: 0.070

HORZ SPREAD: 1.536

VERT SPREAD: 2.619

GROUP SPREAD: 2.630

MIN RADIUS: 0.254

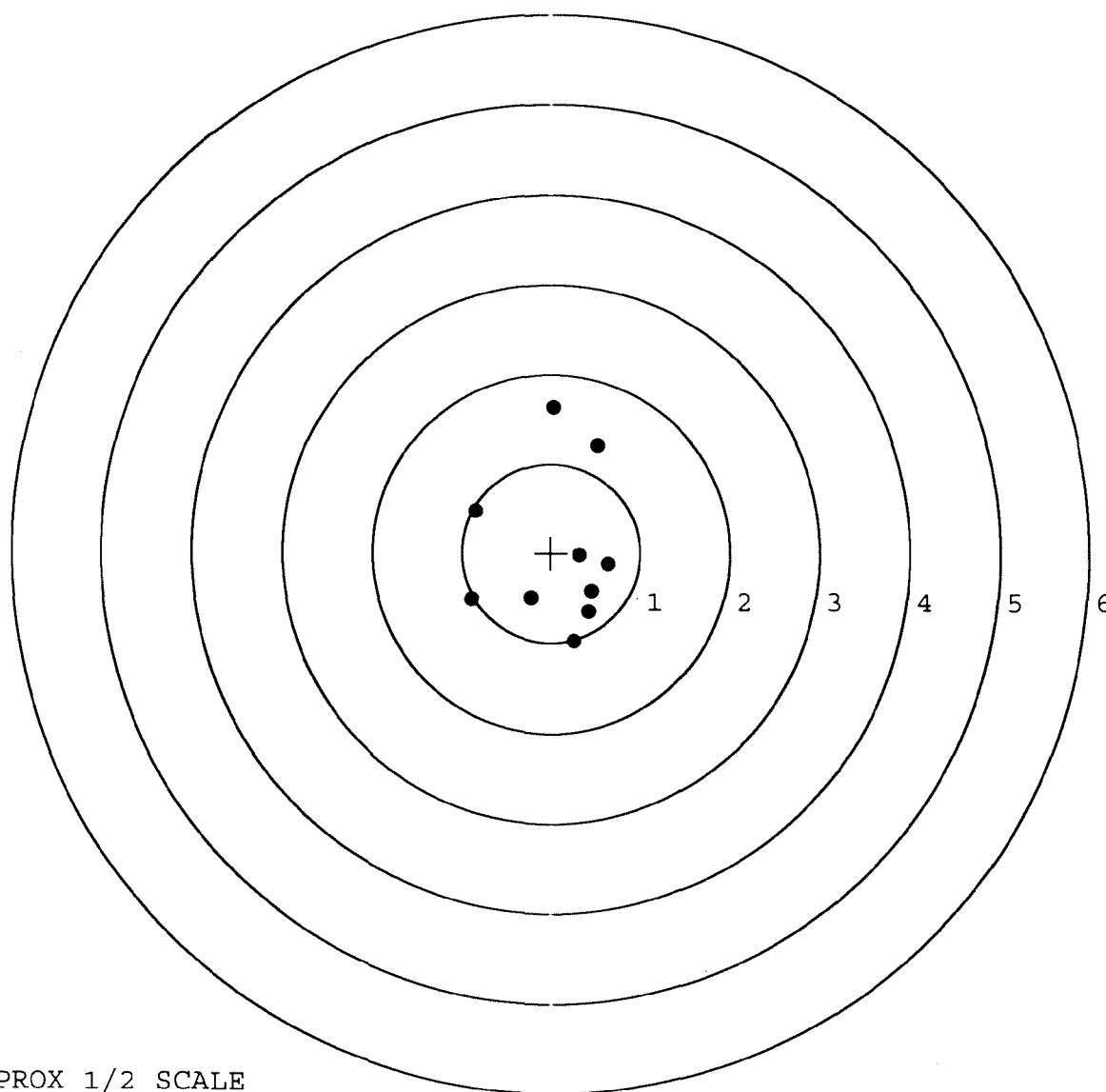
MAX RADIUS: 1.626

MEAN RADIUS: 0.881

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



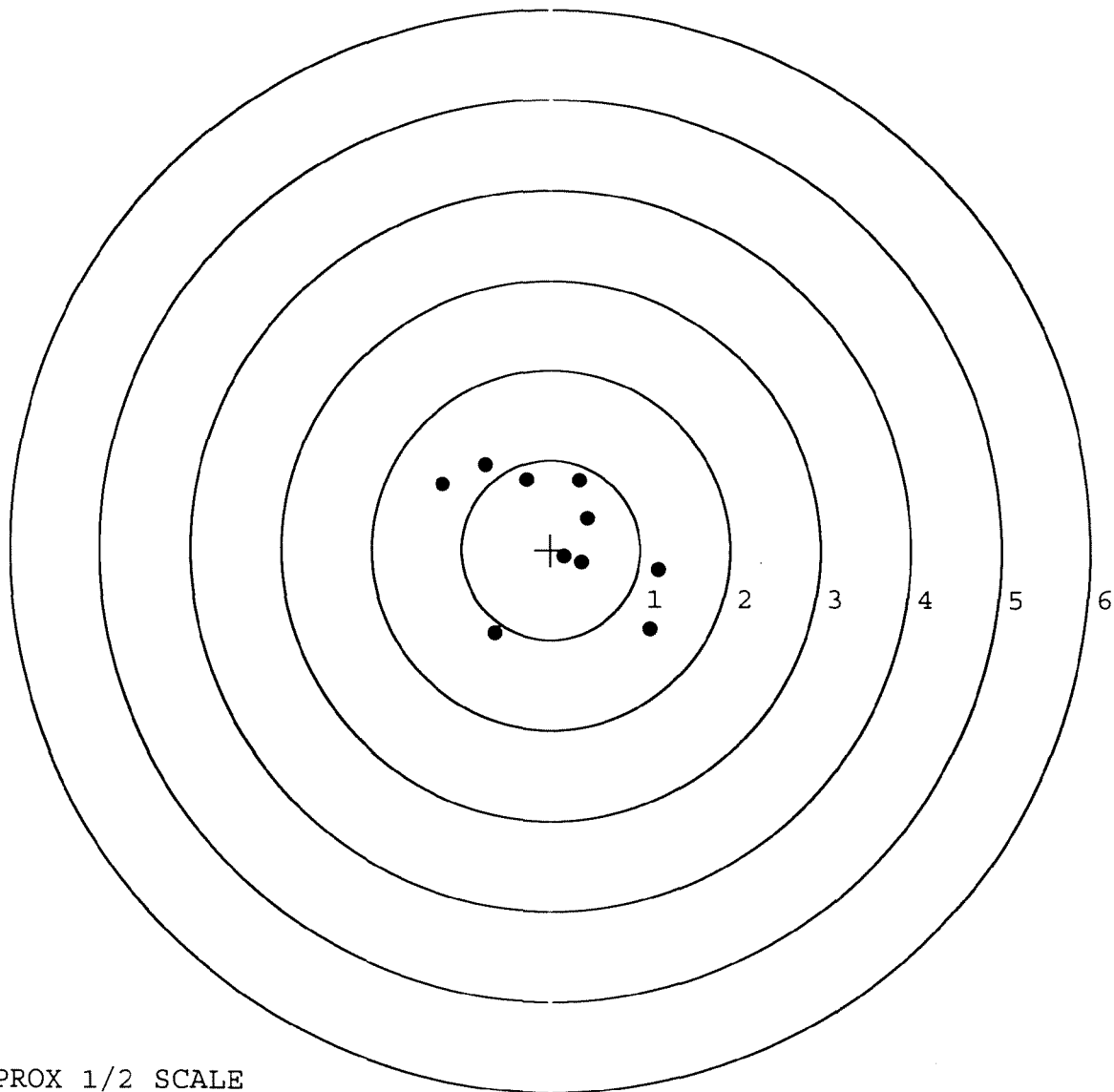
TARGET APPROX 1/2 SCALE

BARBER - M24 0026239

SERIAL NUMBER: C6587743. __0
TARGET NUMBER: 2
FILE DATE: 09/30/2009
FILE TIME: 07:16

POINT#	X	Y
1:	-0.625	-0.938
2:	1.118	-0.893
3:	1.202	-0.233
4:	0.329	0.774
5:	-0.273	0.784
6:	-0.729	0.945
7:	-1.209	0.730
8:	0.414	0.354
9:	0.147	-0.077
10:	0.350	-0.146

X CENTROID: 0.072
Y CENTROID: 0.130
POA TO CENTROID: 0.149
HORZ SPREAD: 2.411
VERT SPREAD: 1.883
GROUP SPREAD: 2.837
MIN RADIUS: 0.220
MAX RADIUS: 1.463
MEAN RADIUS: 0.894
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0026240

SERIAL NUMBER: C6587743. __0

TARGET NUMBER: 3

FILE DATE: 09/30/2009

FILE TIME: 07:16

POINT#	X	Y
1:	1.213	-1.081
2:	0.332	0.569
3:	-0.490	1.003
4:	-0.304	0.611
5:	-0.169	0.711
6:	-0.924	0.065
7:	-0.736	0.034
8:	0.072	-0.906
9:	0.270	-0.410
10:	0.325	-0.244

X CENTROID: -0.041

Y CENTROID: 0.035

POA TO CENTROID: 0.054

HORZ SPREAD: 2.137

VERT SPREAD: 2.084

GROUP SPREAD: 2.691

MIN RADIUS: 0.460

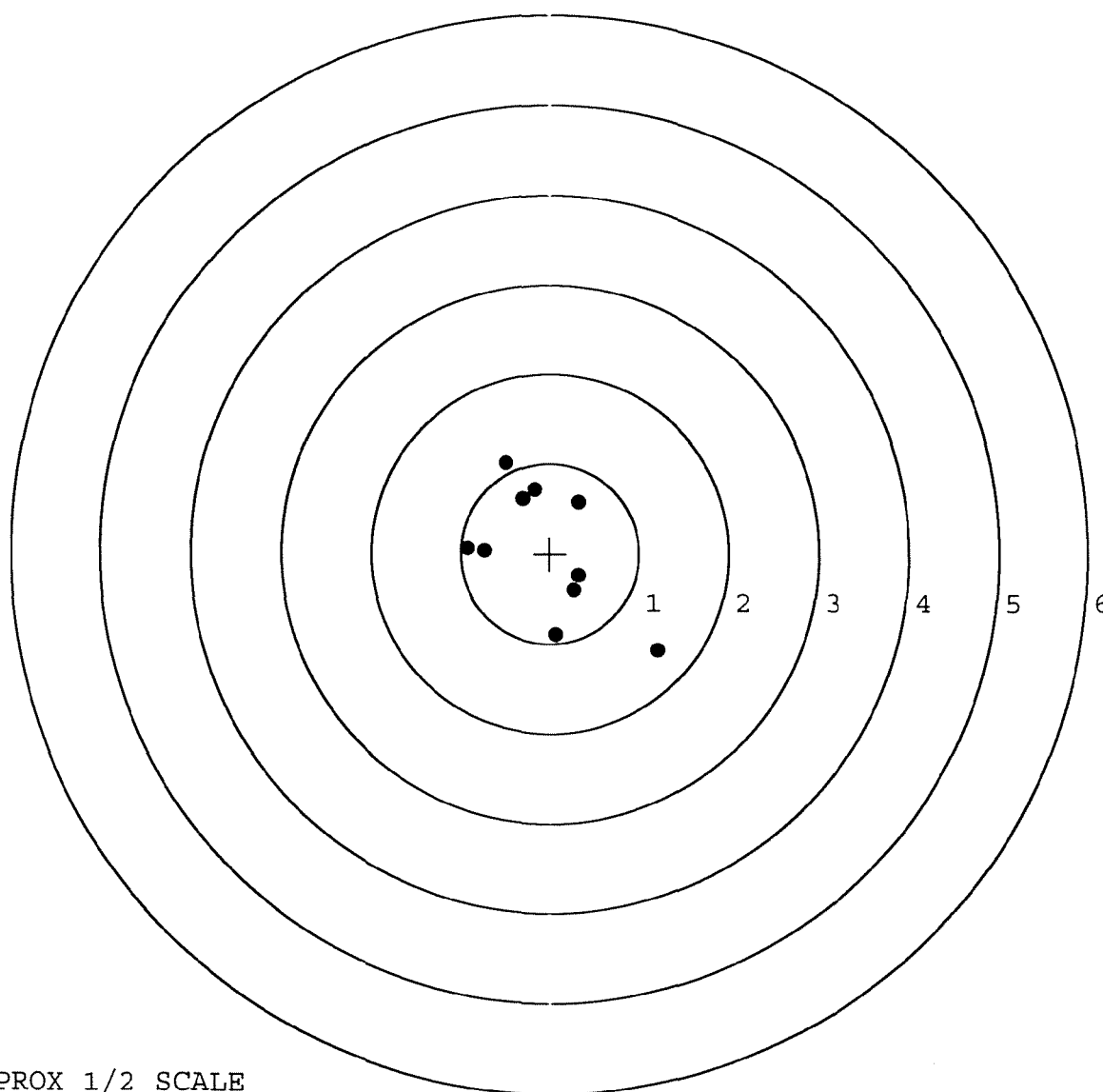
MAX RADIUS: 1.679

MEAN RADIUS: 0.825

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0026241

SERIAL NUMBER: C6587743. __0

TARGET NUMBER: 4

FILE DATE: 09/30/2009

FILE TIME: 07:16

POINT#	X	Y
1:	1.330	-0.085
2:	-0.532	0.787
3:	0.200	0.248
4:	-0.676	-0.477
5:	0.388	-0.367
6:	-0.064	0.168
7:	-0.663	0.553
8:	-0.941	-0.176
9:	-0.722	-0.120
10:	-0.590	0.012

X CENTROID: -0.227

Y CENTROID: 0.054

POA TO CENTROID: 0.233

HORZ SPREAD: 2.271

VERT SPREAD: 1.264

GROUP SPREAD: 2.273

MIN RADIUS: 0.199

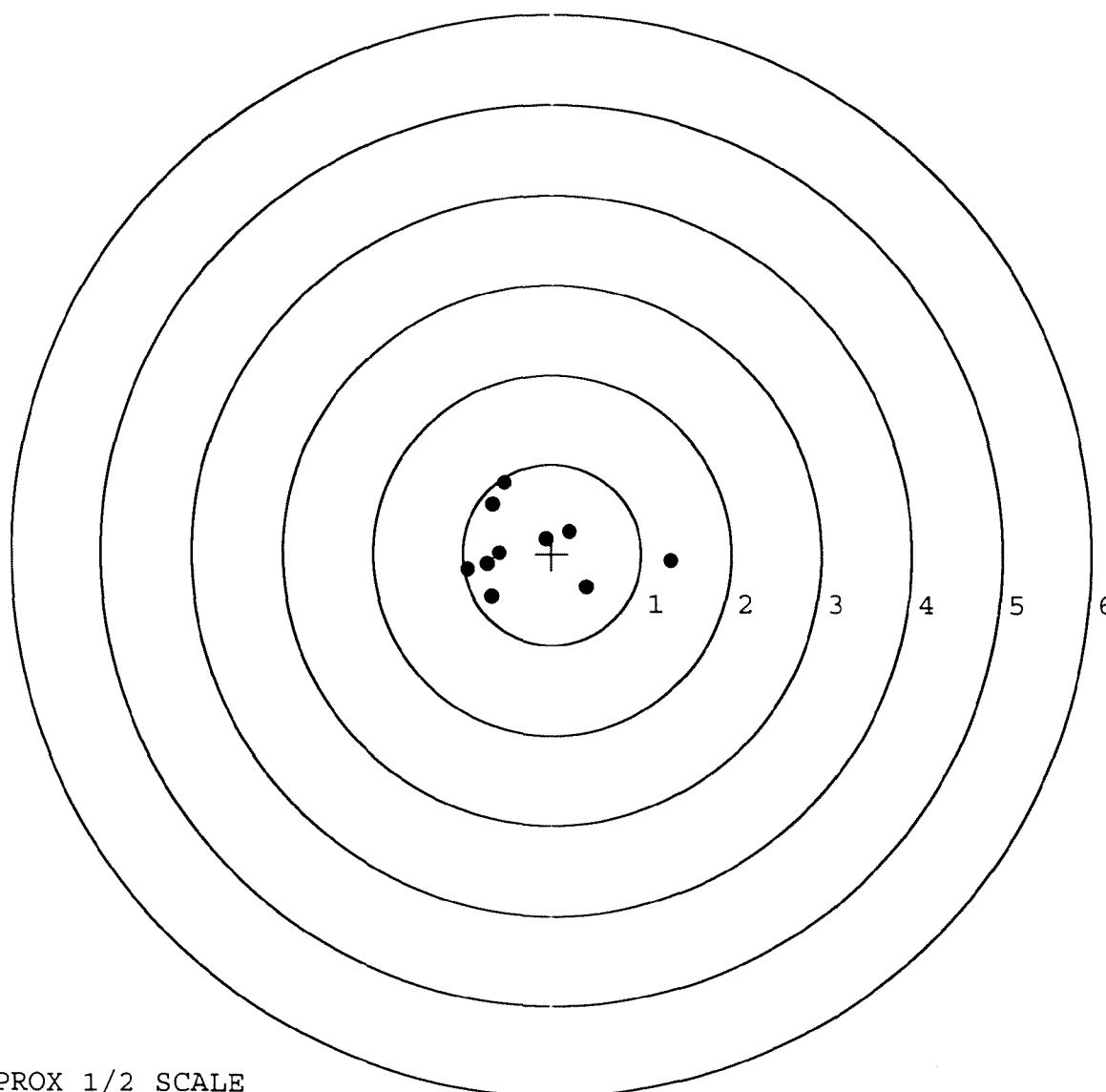
MAX RADIUS: 1.563

MEAN RADIUS: 0.677

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0026242

SERIAL NUMBER: C6587743. 0

TARGET NUMBER: 5

FILE DATE: 09/30/2009

FILE TIME: 07:16

POINT#	X	Y
1:	-0.533	-0.785
2:	0.111	-0.393
3:	0.650	0.430
4:	0.252	0.800
5:	-0.477	-0.015
6:	-0.322	-0.405
7:	-0.511	-0.333
8:	-0.158	0.220
9:	-0.047	0.273
10:	0.130	0.443

X CENTROID: -0.090

Y CENTROID: 0.024

POA TO CENTROID: 0.094

HORZ SPREAD: 1.183

VERT SPREAD: 1.585

GROUP SPREAD: 1.769

MIN RADIUS: 0.208

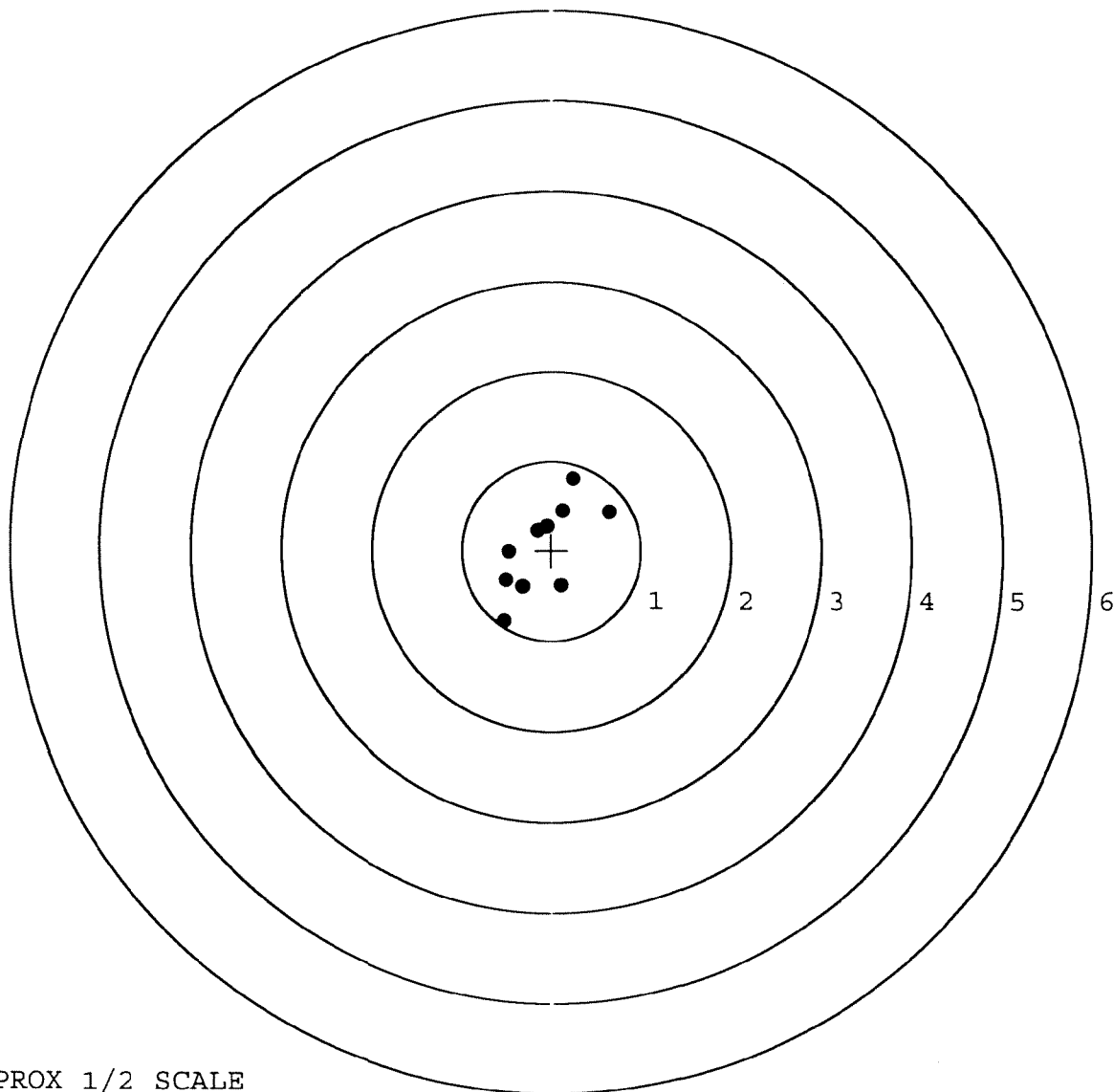
MAX RADIUS: 0.922

MEAN RADIUS: 0.544

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587743

DATE 10-25-94

TESTER BSM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.65	2.56	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.77	2.49	
PULL #3	2.79	2.67	2.61	
PULL #4	2.62	2.74	2.53	
PULL #5	2.54	2.77	2.65	
TOTAL	13.39	13.51	12.78	
AVG.	2.67	2.70	2.55	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.07	3.00	
PULL #2	3.20	3.05	
PULL #3	3.15	3.08	
PULL #4	3.03	3.04	
PULL #5	3.06	3.03	
TOTAL	15.51	15.20	
AVG.	3.10	3.04	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.15		4.16
PULL #2	4.16	4.04		4.02
PULL #3	4.08	4.23		4.10
PULL #4	4.24	4.12		4.12
PULL #5	4.22	4.18		4.16
TOTAL	20.97	20.72		20.56
AVG.	4.19	4.14		4.11

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587743

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0026246 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4	4 1/4			11/27	WB
	G) Safety Off Force	3	3	3			11/27	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.81	2.67	2.79	2.80	2.66	11/27	WB
	C) Function							
660	Pack							

BARBER - M24 0026247

Remington
MODEL 700TM M24

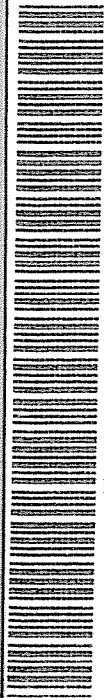
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6587743

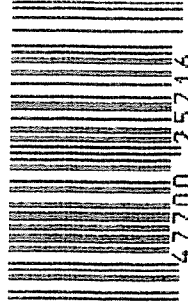
ORDER NO.
5716

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



5716 C6587743

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0026247 M2400026286

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun	1019	90	RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/27/90	KR
615	Rollmark Caliber		10/23/90	JS.
617	Drill and Tap Sight Holes		10/26/90	LB
618	Polish Barrel		10/29/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/17/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/16/90	WB
	G) Safety Off Force	2	2	2			11/16/90	WB
	H) Trigger Pull Test & Retainability						11/17/90	WB
	I) Firing Pin Indent	.0215	.022	.022			11/16/90	WB
	J) Assemble Stock						12/4/90	RW
	K) Assemble Swivel Studs						12-5-90	928
	L) Attach Front and Rear Sight Assemblies						12/4/90	RW
	M) Iron Sight Alignment						12/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/4/90	RW
	O) Attach Scope to Rifle						12/4/90	RW
	P) Detach & Attach Scope 20 Times						12/4/90	RW
640	Gallery Target & Test						12/4/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12/4/90	NF
655	Final Inspection						12-5-90	928
	A) Headspace						12-5-90	928
	B) Trigger Pull	2.50	2.50	2.46	2.47	2.41	12-5-90	928
	C) Function						12-5-90	928
660	Pack						12-8-90	DH

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587743
5 Dec 1990

CENTROIDAL DISTANCES

0	TO	1	.0809938
1	TO	2	.149893
1	TO	3	.339697
1	TO	4	.153235
1	TO	5	.244663

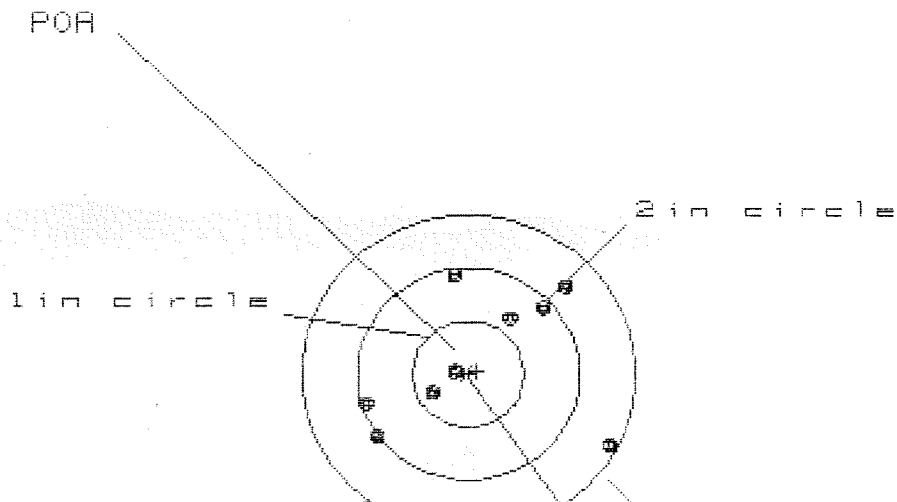
 ----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0486
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0372
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0612029
THE AMR FOR THIS RIFLE IS: .7274

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587743

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.280

VS = 2.212

GS = 2.825

3 in circle

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.310	1.202	.946
MINIMUM X	-.970	-.993	-.843
MAXIMUM Y	.939	.798	.692
MINIMUM Y	-1.273	-.842	-.851
CENTROID X	-.076	.032	-.118
CENTROID Y	-.028	.113	.219
POA TO CENTROID in.	.081	.118	.249
MIN RADIUS	.132	.271	.250
MEAN RADIUS	.920	.840	.741
MAX RADIUS	1.600	1.468	1.148
HORIZONTAL SPREAD	2.280	2.195	1.789
VERTICAL SPREAD	2.212	1.640	1.543

BARBER - M24 0026252

EXTREME	SPREAD :	2.825	2.244	2.244
NUMBER IN ONE	INCH CIRCLE	=	2	
NUMBER IN TWO	INCH CIRCLE	=	6	
NUMBER IN THREE	INCH CIRCLE	=	9	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587743

CENTERFIRE PATTERNS

2

POB

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 8

2in = 9

3in = 10

HS = 1.517

VS = 1.024

GS = 1.638

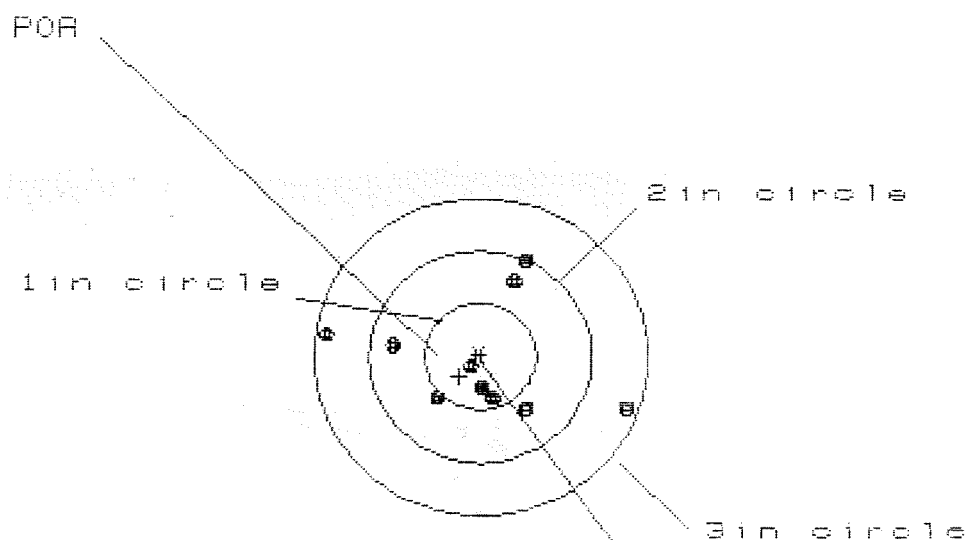
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.321	.298
MINIMUM X	:	-.530	-.420	-.443
MAXIMUM Y	:	.445	.439	.372
MINIMUM Y	:	-.579	-.529	-.511
CENTROID X	:	.052	-.058	-.035
CENTROID Y	:	.050	.000	.067
POB TO CENTROID in.	:	.072	.058	.075
MIN RADIUS	:	.079	.061	.087
MEAN RADIUS	:	.420	.334	.298
MAX RADIUS	:	1.083	.560	.581
HORIZONTAL SPREAD	:	1.517	.741	.741
VERTICAL SPREAD	:	1.024	.968	.883
EXTREME SPREAD	:	1.638	.988	.970
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587743

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.701

VS= 1.423

GS= 2.786

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.288	1.131	.414
MINIMUM X	:	-1.413	-.894	-.753
MAXIMUM Y	:	.930	.951	.892
MINIMUM Y	:	-.493	-.472	-.486
CENTROID X	:	.187	.344	.203
CENTROID Y	:	.187	.166	.225
POA TO CENTROID in.	:	.265	.382	.303
MIN RADIUS	:	.089	.225	.127
MEAN RADIUS	:	.728	.657	.570
MAX RADIUS	:	1.426	1.225	.961
HORIZONTAL SPREAD	:	2.701	2.025	1.167
VERTICAL SPREAD	:	1.423	1.423	1.378
EXTREME SPREAD	:	2.786	2.121	1.474
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06587743

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.774

VS= 1.744

GS= 2.924

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.337	1.178	.444
MINIMUM X	:	-1.437	-1.236	-1.089
MAXIMUM Y	:	.941	.893	.950
MINIMUM Y	:	-.803	-.851	-.794
CENTROID X	:	-.016	.143	-.004
CENTROID Y	:	-.169	-.122	-.178
POA TO CENTROID in.	:	.170	.188	.179
MIN RADIUS	:	.446	.281	.435
MEAN RADIUS	:	.834	.726	.675
MAX RADIUS	:	1.498	1.261	1.099
HORIZONTAL SPREAD	:	2.774	2.414	1.533
VERTICAL SPREAD	:	1.744	1.744	1.744
EXTREME SPREAD	:	2.924	2.501	1.786
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587743

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 9

HS = 2.050

VS = 2.459

GS = 2.648

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.880	.922	.781
MINIMUM X	:	-1.170	-1.128	-.765
MAXIMUM Y	:	1.732	.669	.333
MINIMUM Y	:	-.727	-.534	-.450
CENTROID X	:	.096	.054	.195
CENTROID Y	:	.146	-.047	-.131
POA TO CENTROID in.	:	.175	.071	.234
MIN RADIUS	:	.078	.122	.108
MEAN RADIUS	:	.735	.593	.481
MAX RADIUS	:	1.774	1.311	.874
HORIZONTAL SPREAD	:	2.050	2.050	1.546
VERTICAL SPREAD	:	2.459	1.203	.783
EXTREME SPREAD	:	2.648	2.153	1.630
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587743DATE 4/17/90TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.36	2.34	2.50	MIN. SETTING, -
PULL #2	2.48	2.31	2.36	2.50	NO AVG. OF 5
PULL #3	2.42	2.21	2.34	2.46	READINGS ACCEPT-
PULL #4	2.45	2.31	2.31	2.47	ABLE LESS THAN 2#
PULL #5	2.43	2.29	2.30	2.41	
TOTAL	12.31	11.48	11.65		
AVG.	2.46	2.30	2.33		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.00		
PULL #2	3.00	3.09		
PULL #3	3.01	3.07		
PULL #4	3.00	3.10		
PULL #5	3.01	3.03		
TOTAL	15.10	15.29		
AVG.	3.02	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.02		4.12
PULL #2	4.10	4.06		4.10
PULL #3	4.09	3.95		4.13
PULL #4	4.11	4.03		4.09
PULL #5	4.10	4.07		4.14
TOTAL	20.41	20.13		20.58
AVG.	4.08	4.02		4.11