

06587730

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead[®]

Repair Inquiry

Repair Number: **RE00086443**Serial: C8587730 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/14/2004 9:56:32 AM

Address Information

Customer: ☐ Received From		Return To: ☐ Received From	
Name: TRANSPORTATION OFFICER		TRANSPORTATION OFFICER	
Address 1:			
Address 2: DEF DIST DEPOT		DEF DIST DEPOT	
City: ANNISTON		ANNISTON	
State: AL Zip Code: 36201 Country: US		State: AL Zip Code: 36201 Country: US	

FFL: ☐

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
A009	Soft Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1
A045	Bi Pad	1

Repair Search

Refresh

Close

nagletj

10/14/2004

1:36 PM

CAPS

NUM

INS

SCRL

start

5

4

Arms Ser v1

8

6

7

8

Serial Number: **C6587730**

Model: **M24 SWS**

RE00086443

AVERAGE PULL FORCE BETWEEN

BARBER - M24 0025990

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE 10-11-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.27	2.05		2.26	
PULL #2	2.12	2.06		2.22	
PULL #3	2.16	2.06		2.19	
PULL #4	2.15	2.12		2.21	
PULL #5	2.16	2.10		2.18	
TOTAL	10.86	10.39		11.06	
AVERAGE	2.17	2.07		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.40		
PULL #2	3.38	3.38		
PULL #3	3.41	3.44		
PULL #4	3.44	3.43		
PULL #5	3.43	3.45		
TOTAL	17.04	17.10		
AVERAGE	3.40	3.42		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.26	4.27		4.51
PULL #2	4.18	4.24		4.48
PULL #3	4.22	4.22		4.35
PULL #4	4.20	4.24		4.53
PULL #5	4.35	3.78		4.54
TOTAL	21.21	20.75		22.41
AVERAGE	4.24	4.15		4.48

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587730.__0
FILE DATE AND TIME: 11/05/2004 22:18

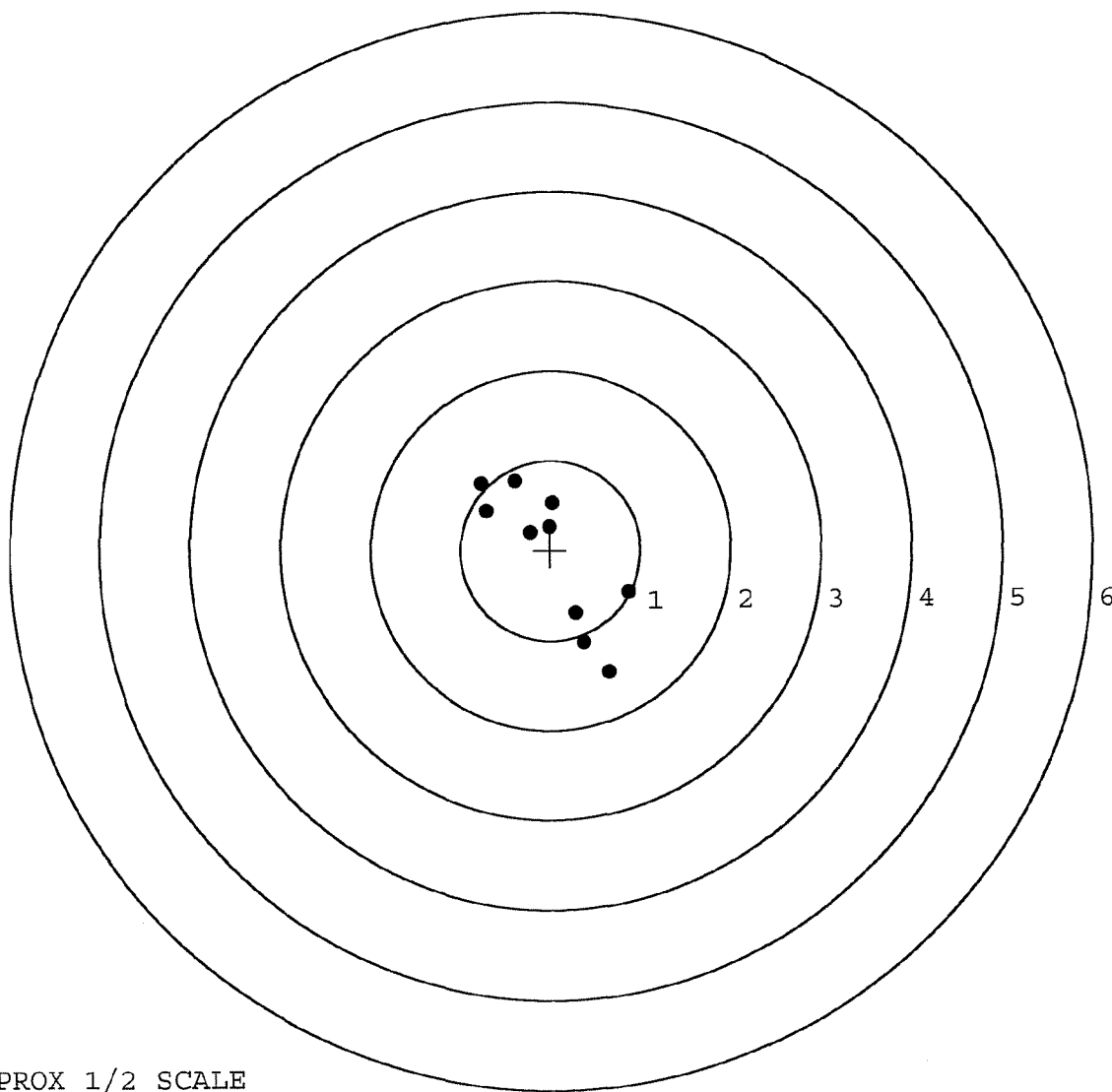
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.018
The Average Y Centroid of the Five Target Set:	-0.032
The Average Point of Impact of the Five Target Set:	0.037
The Average Mean Radius of the Five Target Set:	0.846
The Distance from POA to Centroid Target #1:	0.060
The Distance from Centroid Target #2 to Centroid Target #1:	0.067
The Distance from Centroid Target #3 to Centroid Target #1:	0.346
The Distance from Centroid Target #4 to Centroid Target #1:	0.252
The Distance from Centroid Target #5 to Centroid Target #1:	0.325

SERIAL NUMBER: C6587730. __0
 TARGET NUMBER: 1
 FILE DATE: 11/05/2004
 FILE TIME: 22:18

X CENTROID: 0.007
 Y CENTROID: -0.060
 POA TO CENTROID: 0.060
 HORZ SPREAD: 1.642
 VERT SPREAD: 2.117
 GROUP SPREAD: 2.529
 MIN RADIUS: 0.317
 MAX RADIUS: 1.439
 MEAN RADIUS: 0.828
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.649	-1.347
2:	0.371	-1.022
3:	0.281	-0.694
4:	0.869	-0.460
5:	0.023	0.523
6:	-0.013	0.257
7:	-0.715	0.440
8:	-0.773	0.744
9:	-0.395	0.770
10:	-0.232	0.194



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. __0

TARGET NUMBER: 2

FILE DATE: 11/05/2004

FILE TIME: 22:18

X CENTROID: -0.001

Y CENTROID: 0.008

POA TO CENTROID: 0.008

HORZ SPREAD: 1.502

VERT SPREAD: 2.081

GROUP SPREAD: 2.122

MIN RADIUS: 0.280

MAX RADIUS: 1.275

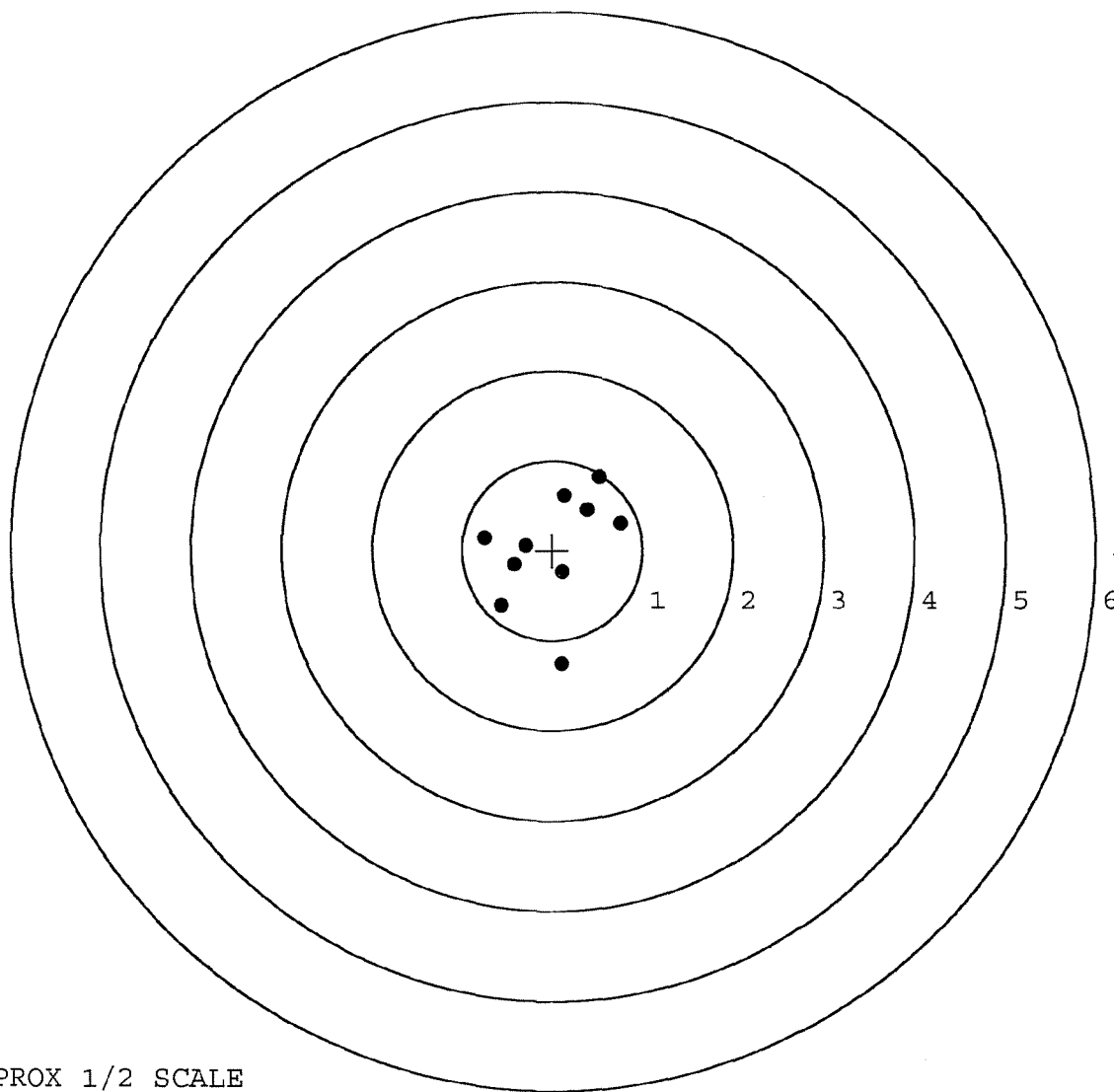
MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.107	-1.263
2:	0.117	-0.246
3:	-0.298	0.052
4:	-0.423	-0.166
5:	-0.565	-0.614
6:	-0.747	0.138
7:	0.755	0.301
8:	0.387	0.448
9:	0.137	0.608
10:	0.523	0.818

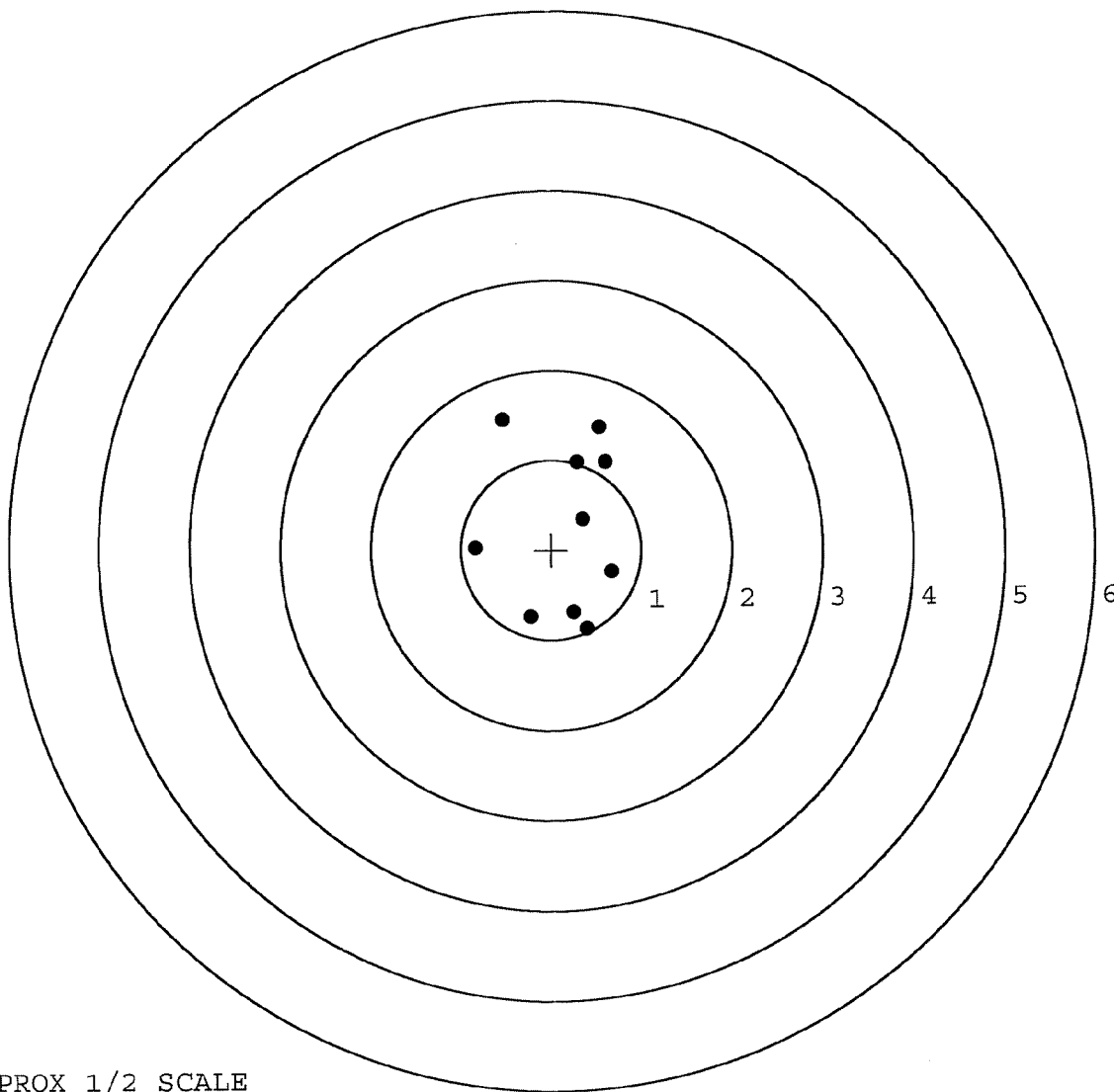


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. __0
 TARGET NUMBER: 3
 FILE DATE: 11/05/2004
 FILE TIME: 22:18

X CENTROID: 0.151
 Y CENTROID: 0.255
 POA TO CENTROID: 0.297
 HORZ SPREAD: 1.518
 VERT SPREAD: 2.334
 GROUP SPREAD: 2.514
 MIN RADIUS: 0.222
 MAX RADIUS: 1.375
 MEAN RADIUS: 0.932
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.400	-0.886
2:	0.249	-0.699
3:	-0.234	-0.751
4:	-0.845	0.025
5:	0.673	-0.247
6:	0.356	0.341
7:	0.296	0.977
8:	0.609	0.979
9:	0.544	1.363
10:	-0.533	1.448

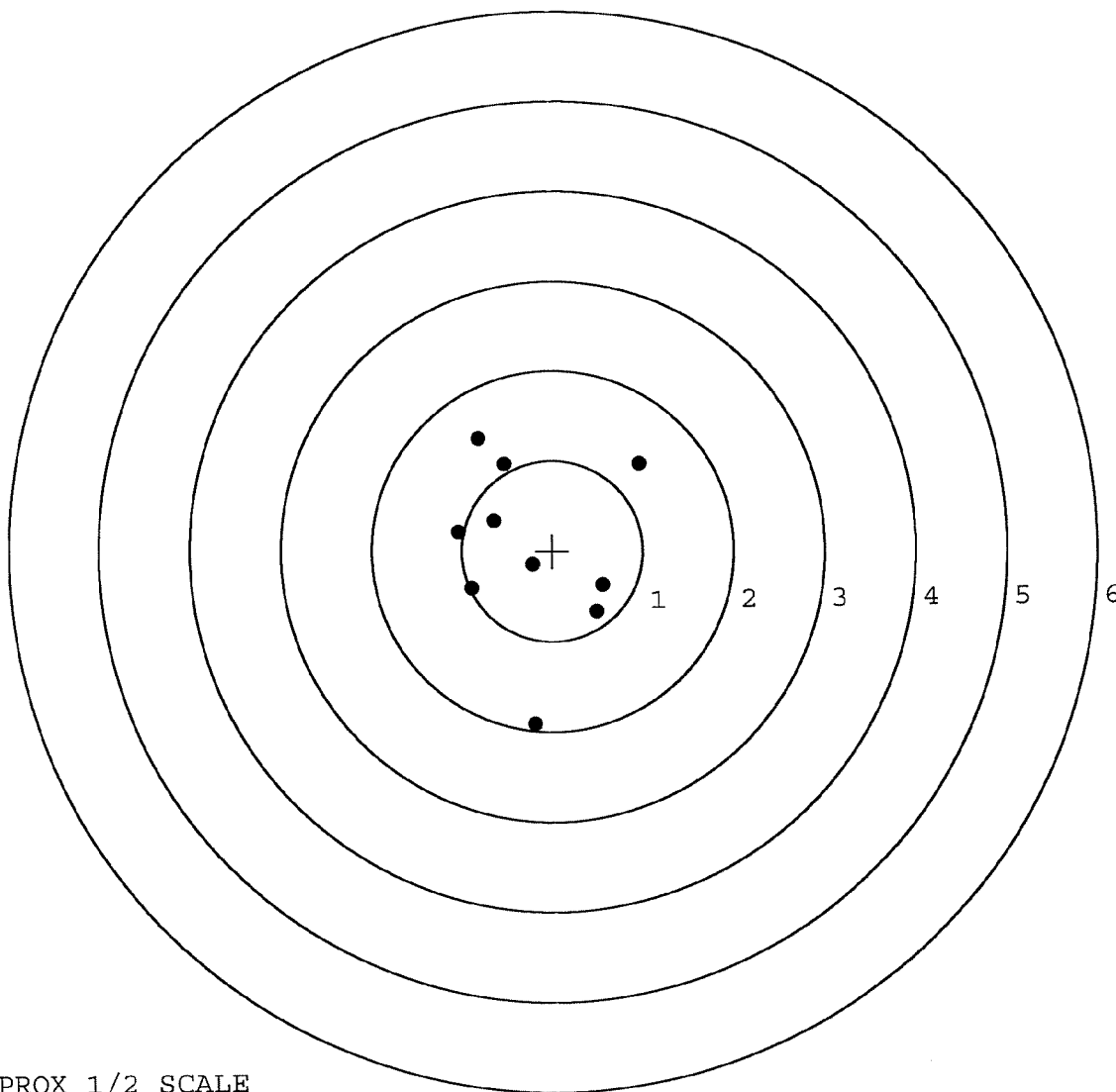


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. __0
 TARGET NUMBER: 4
 FILE DATE: 11/05/2004
 FILE TIME: 22:18

X CENTROID: -0.233
 Y CENTROID: 0.019
 POA TO CENTROID: 0.234
 HORZ SPREAD: 2.006
 VERT SPREAD: 3.172
 GROUP SPREAD: 3.227
 MIN RADIUS: 0.168
 MAX RADIUS: 1.941
 MEAN RADIUS: 1.001
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.488	-0.675
2:	0.557	-0.384
3:	-0.213	-1.921
4:	0.967	0.960
5:	-0.522	0.963
6:	-0.807	1.251
7:	-0.642	0.339
8:	-0.221	-0.148
9:	-1.039	0.217
10:	-0.899	-0.408

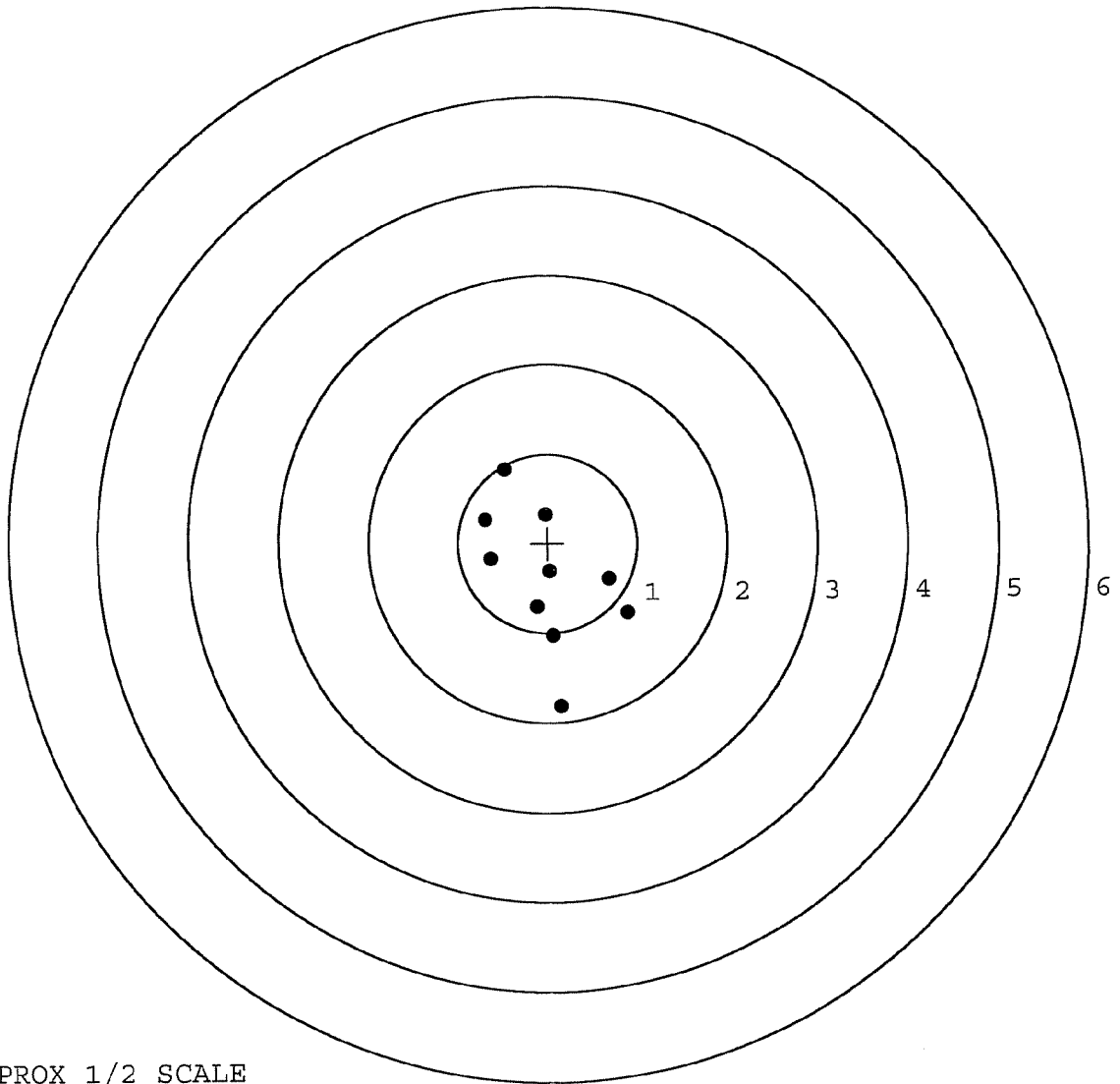


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. __0
 TARGET NUMBER: 5
 FILE DATE: 11/05/2004
 FILE TIME: 22:18

X CENTROID: -0.016
 Y CENTROID: -0.384
 POA TO CENTROID: 0.384
 HORZ SPREAD: 1.592
 VERT SPREAD: 2.653
 GROUP SPREAD: 2.724
 MIN RADIUS: 0.076
 MAX RADIUS: 1.451
 MEAN RADIUS: 0.783
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.142	-1.826
2:	0.893	-0.781
3:	0.683	-0.405
4:	0.059	-1.039
5:	-0.125	-0.715
6:	0.021	-0.318
7:	-0.638	-0.174
8:	-0.699	0.267
9:	-0.023	0.323
10:	-0.475	0.827



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	86443		
SERIAL NUMBER	C6587730		
LOG-IN DATE	10-14-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-15-04	RTL
560 A	RE-BARREL	10-16-04	RTL
B	DRILL AND TAP	10-19-04	TRW
575	ASSEMBLE	10-16-04	RTL
600	PROOF	10-18-04	RTL
605	CHECK HEADSPACE	10-18-04	RTL
610	DIS-ASSEMBLE GUN	10-19-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10/20/04	LB
618	ROTO-BLAST	10-22-04	LB
620	APPLY COATINGS	10/20/04	HP
625 A	FINAL ASSEMBLY	11-4-04	RTL
B	TRIGGER PULL TEST	11-8-04	RTL
C	SAFETY "ON" FORCE	11-8-04	RTL
D	SAFETY "OFF" FORCE	11-8-04	RTL
E	FIRING PIN INDENT		
640	TARGET	11-5-04	TRW
655	FINAL INSPECT	11-8-04	RTL
660	PACK	11-8-04	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®
MODEL 700™ M24

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

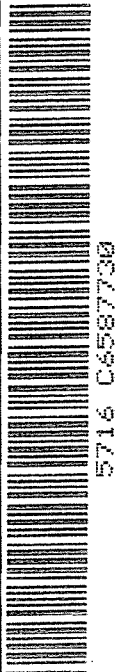
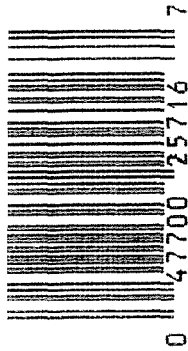
REG. U.S. PAT. & TM. OFF.

SERIAL NO. C6587730

ORDER NO. 5715

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

LPC



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587730

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		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	BPB
617	Drill and Tap Sight Holes		10/18/90	FB
618	Polish Barrel <i>WB</i>		10/18/90	WB
620	Apply Coatings (Barrel Action)		11/5/90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/17/90	RW
	C) Inspect Ejector Hole for Chamfer		11/17/90	RW
	D) Oil Firing Pin Ass'y		11/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-12-90	FH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/13/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			11/13/90	WB
	H) Trigger Pull Test & Retainability						11/12/90	JL
	I) Firing Pin Indent	.023	.023	.023			11/13/90	WB
	J) Assemble Stock						11/13/90	RW
	K) Assemble Swivel Studs						11/14/90	JL
	L) Attach Front and Rear Sight Assemblies						11/13/90	RW
	M) Iron Sight Alignment						11/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/90	RW
	O) Attach Scope to Rifle						11/13/90	RW
	P) Detach & Attach Scope 20 Times						11/13/90	RW
640	Gallery Target & Test						11-14-90	AC
	A) Time						11-14-90	AC
	B) Malfunctions						11-14-90	AC
	C) Pierced Primers						11-14-90	AC
	D) Optical Clarity of Scope						11-14-90	AC
645	Inspect for Live Ammo						11-14-90	AC
655	Final Inspection							
	A) Headspace						11/14/90	JL
	B) Trigger Pull	228	231	231	232	226	11/14/90	JL
	C) Function						11/14/90	JL
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

BARBER - M24 0026001

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587730DATE 11-12-90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.43	2.37	2.28	MIN. SETTING, NO. AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.43	2.32	2.31	
PULL #3	2.22	2.45	2.49	2.31	
PULL #4	2.49	2.43	2.38	2.32	
PULL #5	2.47	2.50	2.29	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.35		
PULL #2	3.27	3.38		
PULL #3	3.26	3.40		
PULL #4	3.22	3.35		
PULL #5	3.10	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.35		4.21
PULL #2	4.22	4.25		4.51
PULL #3	4.38	4.47		4.38
PULL #4	4.43	4.34		4.31
PULL #5	4.39	4.47		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587730
14 Nov 1998

CENTROIDAL DISTANCES

0 TO	1	.310074
1 TO	2	.324914
1 TO	3	.222146
1 TO	4	.180236
1 TO	5	.316812

* <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1922
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0892
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21189
THE AMR FOR THIS RIFLE IS: .8972

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8582730

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.337

VS = 2.979

GS = 3.523

CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.440	1.391	1.208
MINIMUM X	:	-.897	-.946	-.772
MAXIMUM Y	:	1.173	.973	.817
MINIMUM Y	:	-1.806	-.664	-.543
CENTROID X	:	.161	.210	.036
CENTROID Y	:	.265	.465	.344
POA TO CENTROID in.	:	.310	.510	.346
MIN RADIUS	:	.216	.350	.363
MEAN RADIUS	:	1.007	.937	.789
MAX RADIUS	:	1.859	1.698	1.234
HORIZONTAL SPREAD	:	2.337	2.337	1.980
VERTICAL SPREAD	:	2.979	1.637	1.360
EXTREME SPREAD	:	3.523	2.725	2.032
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587730

CENTERFIRE PATTERNS

2

FOR

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in - 10

HS - 1.835

VS - 2.121

GS - 2.644

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.110	1.029	.874
MINIMUM X	:	-.725	-.795	-.666
MAXIMUM Y	:	1.186	1.100	1.026
MINIMUM Y	:	-.935	-.803	-.877
CENTROID X	:	.273	.354	.225
CENTROID Y	:	-.040	-.172	-.098
FOR TO CENTROID in.	:	.276	.393	.246
MIN RADIUS	:	.071	.225	.124
MEAN RADIUS	:	.842	.793	.718
MAX RADIUS	:	1.390	1.184	1.037
HORIZONTAL SPREAD	:	1.835	1.824	1.548
VERTICAL SPREAD	:	2.121	1.903	1.903
EXTREME SPREAD	:	2.644	2.014	1.989
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587730

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 4

2in = 8

3in = 8

HS = 3.265

VS = 2.508

GS = 4.088

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.659	.614	.436
MINIMUM X	:	-1.606	-1.422	-.699
MAXIMUM Y	:	.671	.467	.518
MINIMUM Y	:	-1.837	-.675	-.624
CENTROID X	:	.018	-.166	.011
CENTROID Y	:	.095	.299	.248
POA TO CENTROID in.	:	.097	.342	.249
MIN RADIUS	:	.229	.173	.109
MEAN RADIUS	:	.847	.659	.499
MAX RADIUS	:	2.475	1.479	.869
HORIZONTAL SPREAD	:	3.265	2.036	1.135
VERTICAL SPREAD	:	2.508	1.142	1.142
EXTREME SPREAD	:	4.088	2.160	1.498
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587730

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.830

VS = 2.524

GS = 2.787

CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.896	.973	.913
MINIMUM X	-.934	-.857	-.917
MAXIMUM Y	1.199	1.051	.885
MINIMUM Y	-1.325	-1.328	-.616
CENTROID X	.127	.050	.110
CENTROID Y	.088	.236	.401
POA TO CENTROID in.	.154	.241	.416
MIN RADIUS	.375	.539	.426
MEAN RADIUS	.938	.865	.771
MAX RADIUS	1.493	1.411	1.007
HORIZONTAL SPREAD	1.830	1.830	1.830
VERTICAL SPREAD	2.524	2.379	1.502
EXTREME SPREAD	2.787	2.380	1.901
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587730

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in - 2

2in - 6

3in - 9

HS - 1.923

VS - 2.787

GS - 2.821

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.996	.996	1.104
MINIMUM X	:	-.927	-.927	-.819
MAXIMUM Y	:	1.582	1.112	.984
MINIMUM Y	:	-1.206	-1.030	-.855
CENTROID X	:	.382	.382	.274
CENTROID Y	:	.038	-.137	-.009
POA TO CENTROID in.	:	.384	.406	.275
MIN RADIUS	:	.130	.097	.073
MEAN RADIUS	:	.852	.763	.674
MAX RADIUS	:	1.582	1.345	1.185
HORIZONTAL SPREAD	:	1.923	1.923	1.923
VERTICAL SPREAD	:	2.787	2.142	1.839
EXTREME SPREAD	:	2.921	2.415	1.994
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	