

C6522153

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead®
No. 24994

Serial Number: C6522153

Model: M24 SWS



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522153.___0
FILE DATE AND TIME: 06/22/2005 08:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	0.092
The Average Point of Impact of the Five Target Set:	0.101
The Average Mean Radius of the Five Target Set:	0.825
The Distance from POA to Centroid Target #1:	0.351
The Distance from Centroid Target #2 to Centroid Target #1:	0.201
The Distance from Centroid Target #3 to Centroid Target #1:	0.442
The Distance from Centroid Target #4 to Centroid Target #1:	0.313
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

BARBER - M24 0003759

SERIAL NUMBER: C6522153. 0

TARGET NUMBER: 1

FILE DATE: 06/22/2005

FILE TIME: 08:27

POINT#	X	Y
1:	0.675	-0.919
2:	0.427	-0.909
3:	0.471	0.000
4:	0.039	0.000
5:	-0.086	0.238
6:	-0.972	0.539
7:	-0.865	0.771
8:	0.211	1.226
9:	1.537	1.227
10:	1.487	-0.233

X CENTROID: 0.292

Y CENTROID: 0.194

POA TO CENTROID: 0.351

HORZ SPREAD: 2.509

VERT SPREAD: 2.146

GROUP SPREAD: 2.602

MIN RADIUS: 0.264

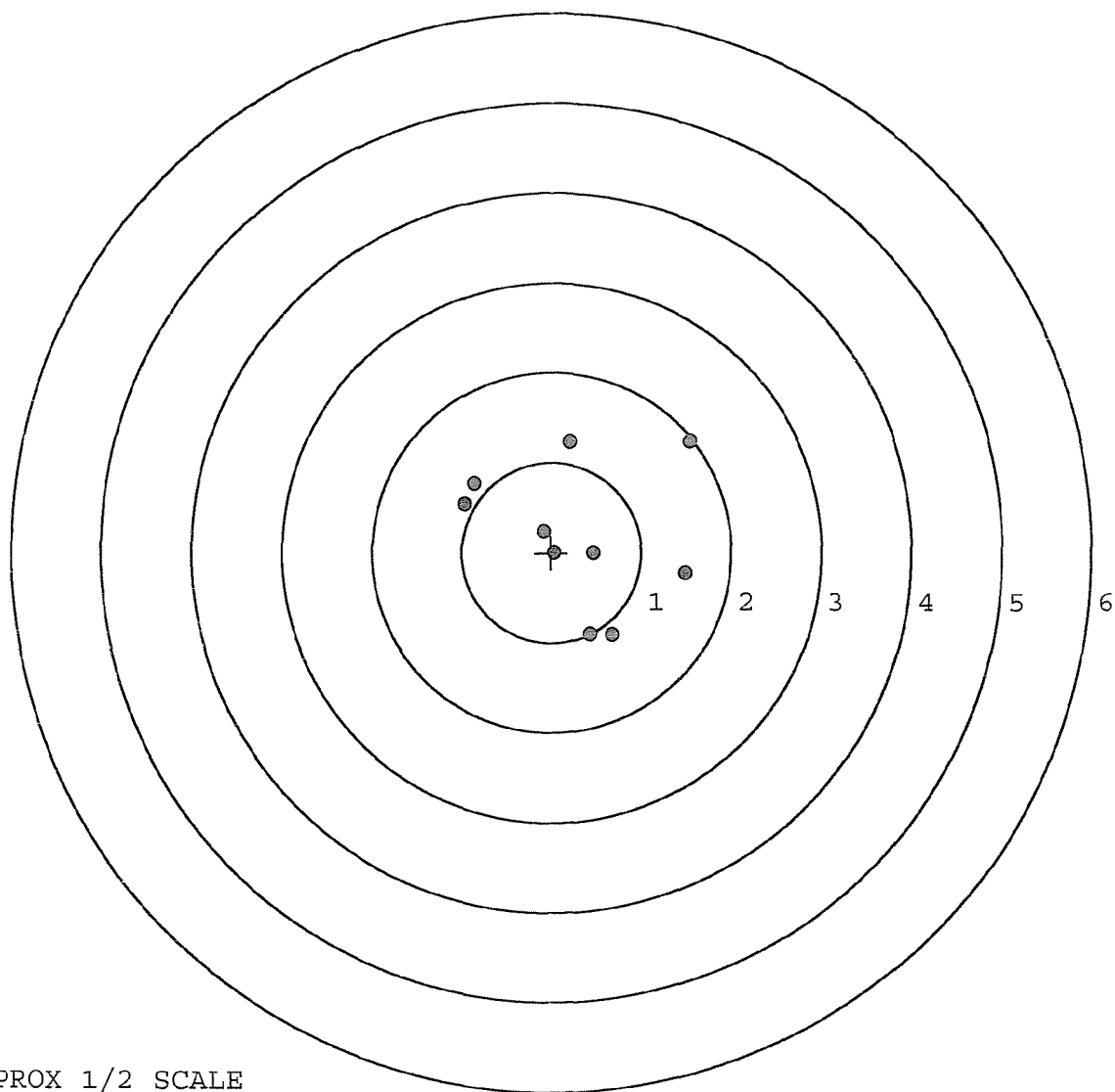
MAX RADIUS: 1.617

MEAN RADIUS: 0.978

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 9



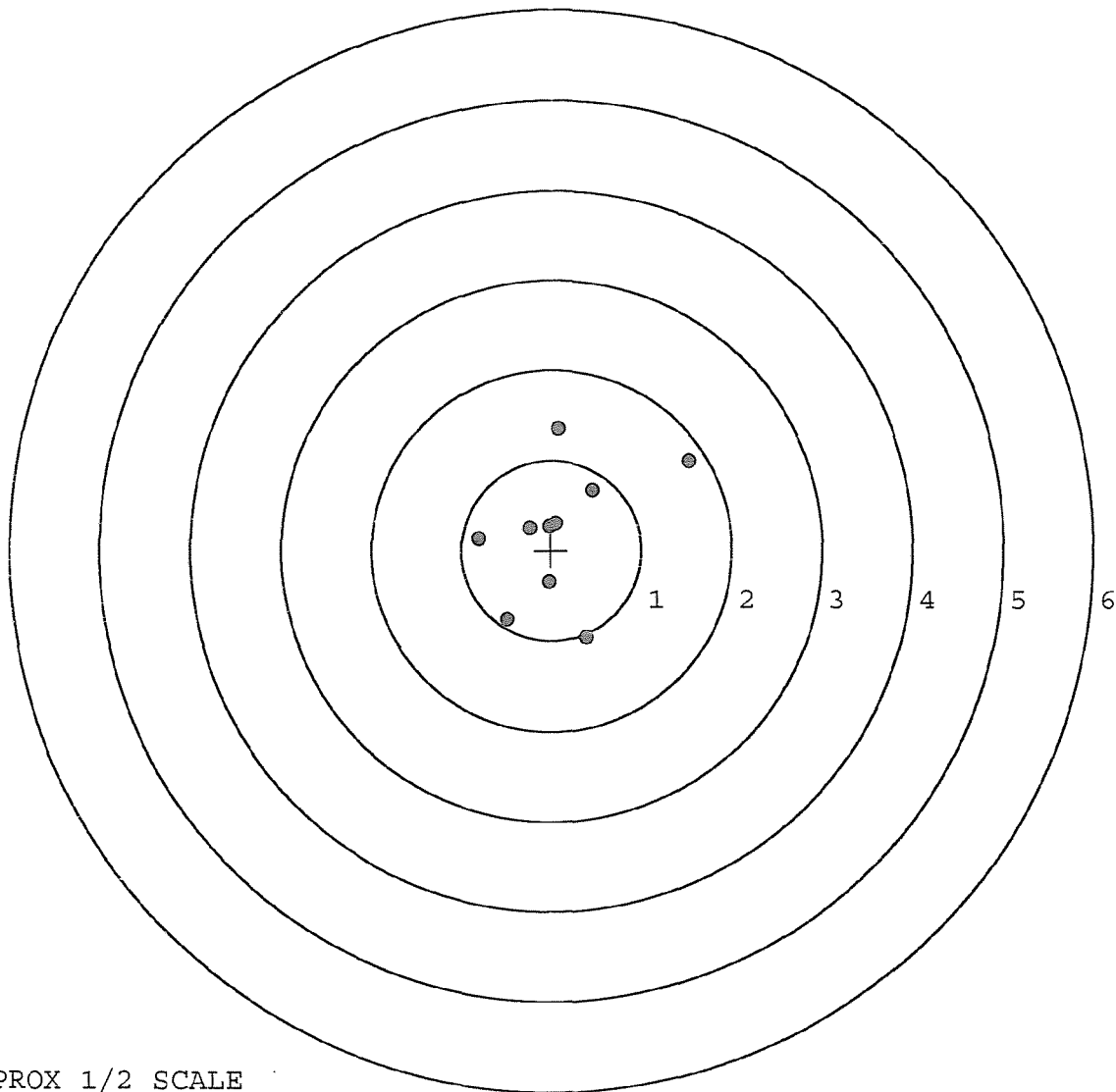
TARGET APPROX 1/2 SCALE

BARBER - M24 0003760

SERIAL NUMBER: C6522153. __0
 TARGET NUMBER: 2
 FILE DATE: 06/22/2005
 FILE TIME: 08:27

POINT#	X	Y
1:	0.391	-0.972
2:	-0.025	-0.357
3:	-0.492	-0.772
4:	-0.807	0.134
5:	0.459	0.669
6:	0.048	0.301
7:	-0.243	0.247
8:	-0.021	0.267
9:	0.078	1.353
10:	1.523	0.990

X CENTROID: 0.091
 Y CENTROID: 0.186
 POA TO CENTROID: 0.207
 HORZ SPREAD: 2.330
 VERT SPREAD: 2.325
 GROUP SPREAD: 2.677
 MIN RADIUS: 0.123
 MAX RADIUS: 1.642
 MEAN RADIUS: 0.779
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



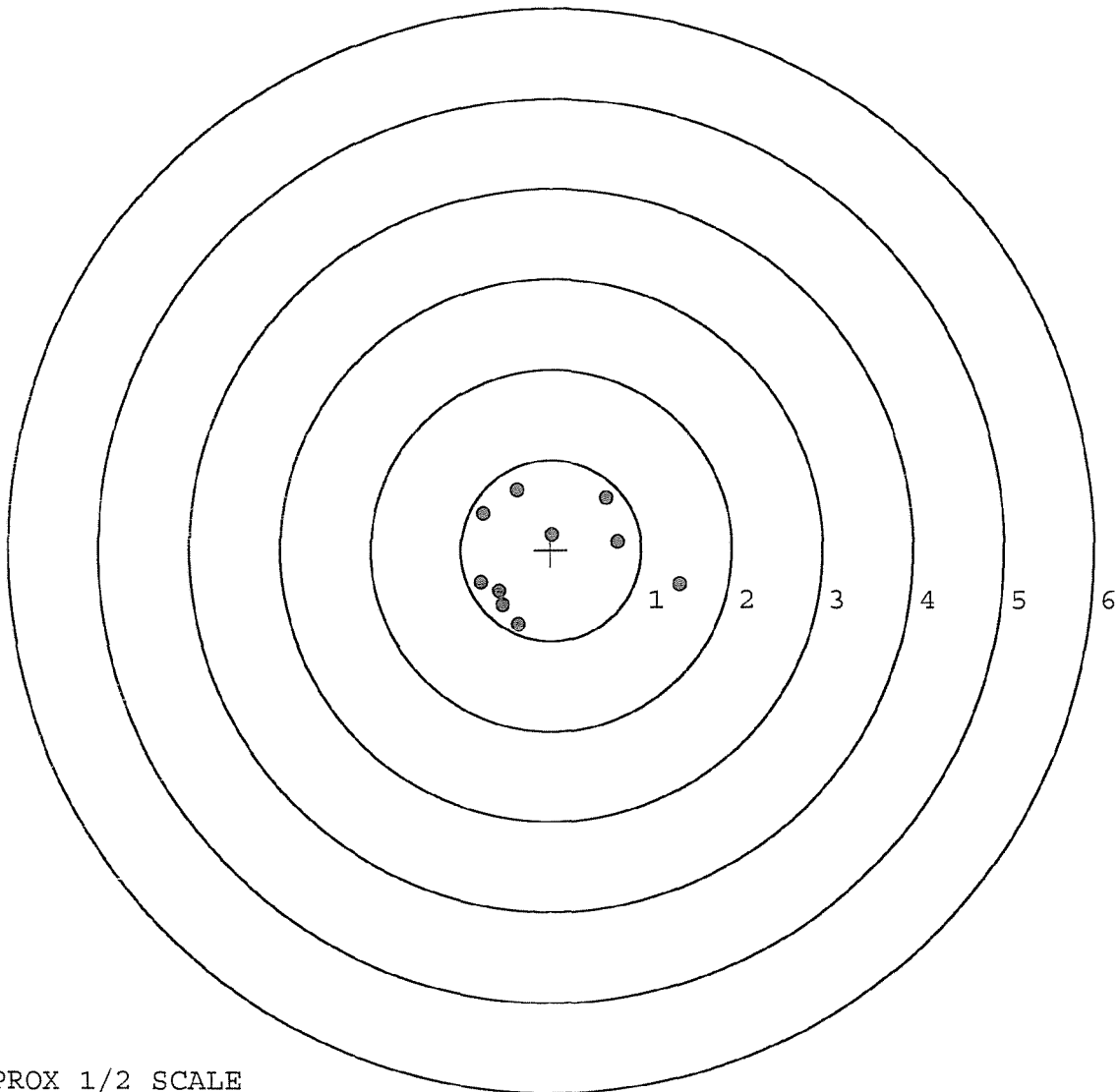
TARGET APPROX 1/2 SCALE

BARBER - M24 0003761

SERIAL NUMBER: C6522153. __0
 TARGET NUMBER: 3
 FILE DATE: 06/22/2005
 FILE TIME: 08:27

POINT#	X	Y
1:	1.420	-0.385
2:	0.745	0.093
3:	0.611	0.578
4:	0.018	0.170
5:	-0.757	0.405
6:	-0.376	0.664
7:	-0.778	-0.363
8:	-0.579	-0.458
9:	-0.534	-0.613
10:	-0.362	-0.827

X CENTROID: -0.059
 Y CENTROID: -0.074
 POA TO CENTROID: 0.094
 HORZ SPREAD: 2.198
 VERT SPREAD: 1.491
 GROUP SPREAD: 2.316
 MIN RADIUS: 0.256
 MAX RADIUS: 1.512
 MEAN RADIUS: 0.812
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0003762

SERIAL NUMBER: C6522153. __0

TARGET NUMBER: 4

FILE DATE: 06/22/2005

FILE TIME: 08:27

POINT#	X	Y
1:	1.350	-0.019
2:	0.827	0.733
3:	0.414	0.300
4:	0.205	-0.270
5:	0.107	-0.459
6:	-0.201	-0.168
7:	-0.414	-0.924
8:	-0.886	0.007
9:	-0.735	0.705
10:	-0.576	0.700

X CENTROID: 0.009

Y CENTROID: 0.061

POA TO CENTROID: 0.061

HORZ SPREAD: 2.236

VERT SPREAD: 1.657

GROUP SPREAD: 2.236

MIN RADIUS: 0.310

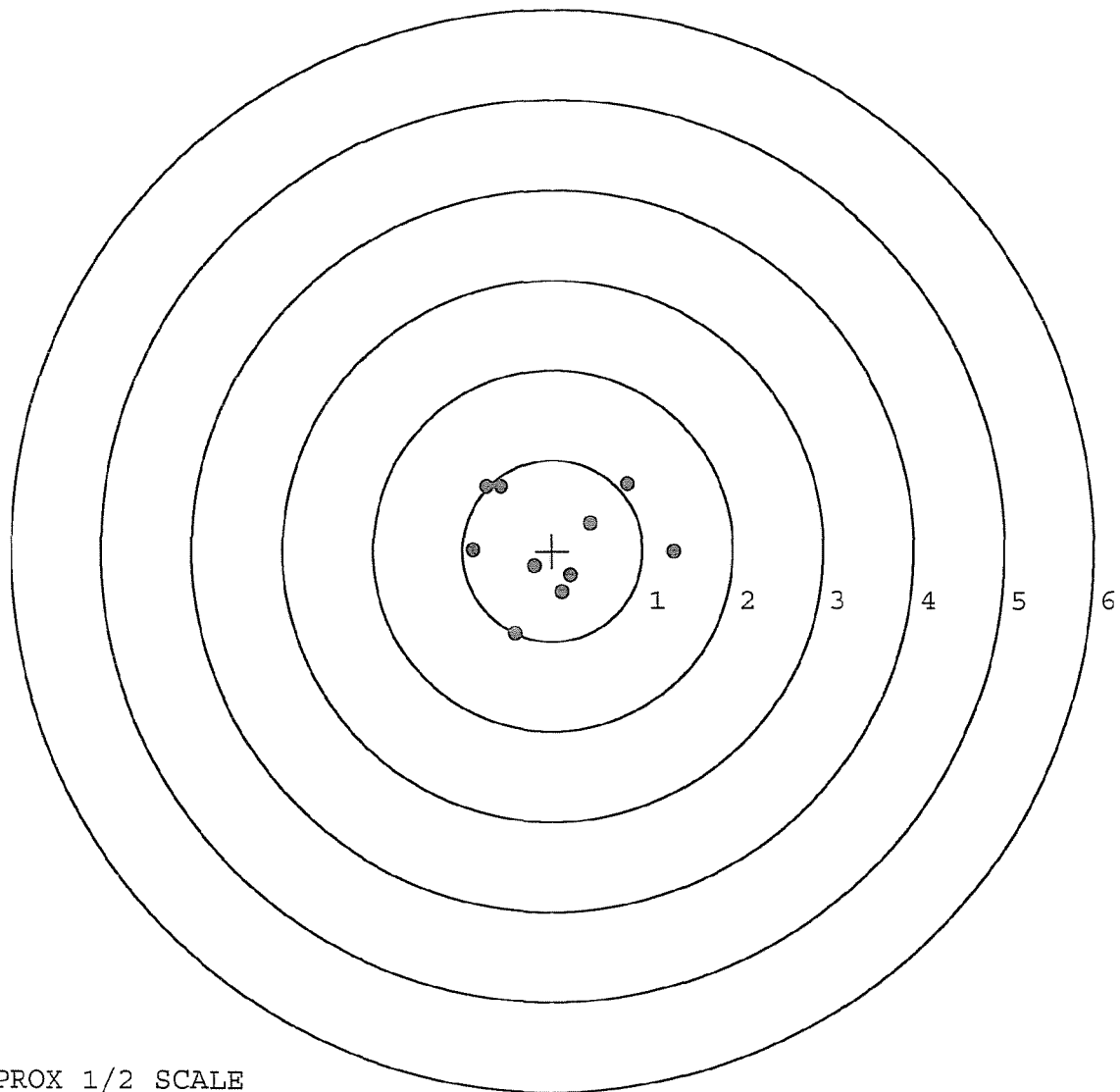
MAX RADIUS: 1.343

MEAN RADIUS: 0.792

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



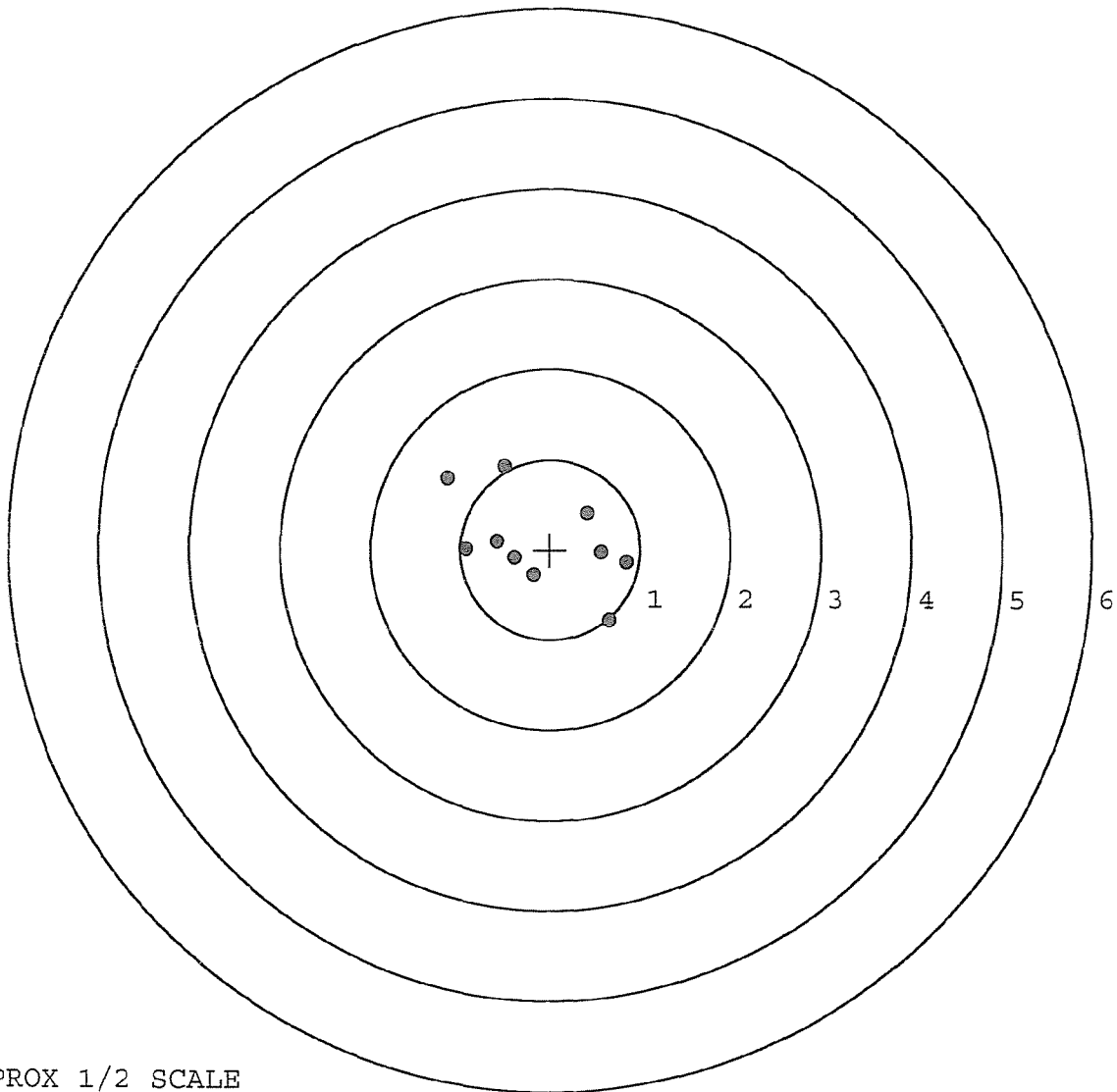
TARGET APPROX 1/2 SCALE

BARBER - M24 0003763

SERIAL NUMBER: C6522153. __0
 TARGET NUMBER: 5
 FILE DATE: 06/22/2005
 FILE TIME: 08:27

POINT#	X	Y
1:	0.659	-0.787
2:	0.849	-0.146
3:	0.573	-0.028
4:	0.408	0.410
5:	-0.508	0.933
6:	-1.143	0.800
7:	-0.936	0.020
8:	-0.589	0.096
9:	-0.397	-0.090
10:	-0.184	-0.280

X CENTROID: -0.127
 Y CENTROID: 0.093
 POA TO CENTROID: 0.157
 HORZ SPREAD: 1.992
 VERT SPREAD: 1.720
 GROUP SPREAD: 2.401
 MIN RADIUS: 0.326
 MAX RADIUS: 1.238
 MEAN RADIUS: 0.765
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92895				
SERIAL NUMBER	06522153				
LOGIN DATE	2-10-05				
INSPECT AND VERIFY:					
OPERATION #	OPERATION NAME	DATE	INITIAL		
550	DIS-ASSEMBLE GUN				
560 A	RE-BARREL				
B	DRILL AND TAP				
575	ASSEMBLE				
600	PROOF				
605	CHECK HEADSPACE				
610	DIS-ASSEMBLE GUN				
612	MAGNAFLUX				
615	ROLLMARK CALIBER				
618	ROTO-BLAST				
620	APPLY COATINGS				
625 A	FINAL ASSEMBLY				
B	TRIGGER PULL TEST				
C	SAFETY "ON" FORCE			6-24-05	AC
D	SAFETY "OFF" FORCE			6-24-05	AC
E	FIRING PIN INDENT	6-24-05	AC		
640	TARGET <i>a test</i>	6-22-05	TRW		
655	FINAL INSPECT	6-24-05	AC		
660	PACK	7-7-05	DP		
		SHIP DATE			
		QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522153

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	70 9	90	Ru
600	Proof	70 9	90	Ru
607	Check Headspace	70 9	90	Ru
610	Dis-assemble Gun	70 9	90	Ru
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	JS
617	Drill and Tap Sight Holes		10/18/90	KB
618	Polish Barrel		10/19/90	WC
620	Apply Coatings (Barrel Action)		11/5/90	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	Ru
	C) Inspect Ejector Hole for Chamfer		11/12/90	Ru
	D) Oil Firing Pin Ass'y		11/12/90	Ru
	E) Adjust Trigger Pull to Min Setting and Stake		11/27/90	JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	11/27/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4	11/27/90	WB
	H) Trigger Pull Test & Retainability				11/27/90	JK
	I) Firing Pin Indent	.023	.023	.023	11/27/90	WB
	J) Assemble Stock				12/8/90	RW
	K) Assemble Swivel Studs				12-10-90	QJ8
	L) Attach Front and Rear Sight Assemblies				12/8/90	RW
	M) Iron Sight Alignment				12/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container				12/8/90	RW
	O) Attach Scope to Rifle				12/8/90	RW
	P) Detach & Attach Scope 20 Times				12/8/90	RW
640	Gallery Target & Test				12/8/90	1F
	A) Time				"	1F
	B) Malfunctions				"	1F
	C) Pierced Primers				"	1F
	D) Optical Clarity of Scope				"	1F
645	Inspect for Live Ammo				12/8/90	1F
655	Final Inspection					
	A) Headspace				12-10-90	QJ8
	B) Trigger Pull	249	258	249	12-10-90	QJ8
	C) Function				12-10-90	QJ8
660	Pack				12-17-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06522153

DATE 11-27-90

TESTER JCL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.40	2.37	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.26	2.34	2.58	
PULL #3	2.38	2.45	2.33	2.49	
PULL #4	2.19	2.47	2.48	2.56	
PULL #5	2.23	2.14	2.36	2.57	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.32		
PULL #2	3.25	3.36		
PULL #3	3.28	3.36		
PULL #4	3.27	3.26		
PULL #5	3.34	3.36		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.49		4.36
PULL #2	4.26	4.31		4.15
PULL #3	4.09	4.14		4.36
PULL #4	4.11	4.49		4.46
PULL #5	4.15	4.25		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522153
8 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.132986
1 TO	2	.215671
1 TO	3	.337551
1 TO	4	.213054
1 TO	5	.2236

4 X----POR

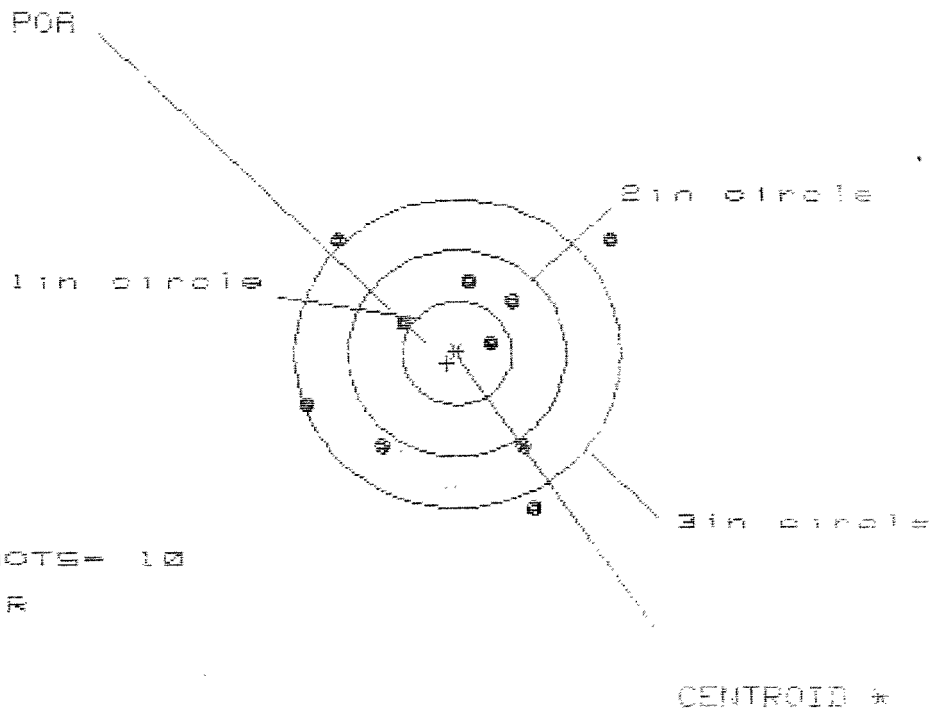
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0224
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.8216
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .254114
THE APR FOR THIS RIFLE IS: .9702

8 Oct 1998

FILE:/PATTERNING/CENTERFIRE_FATT/08522153

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.731

VS= 2.624

SS= 3.162

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.377	.850	.663
MINIMUM X	-1.354	-1.201	-1.055
MAXIMUM Y	1.124	1.245	1.073
MINIMUM Y	-1.500	-1.379	-1.971
CENTROID X	.092	-.061	-.167
CENTROID Y	.096	-.025	.147
POA TO CENTROID in.	.133	.066	.223
MIN RADIUS	.365	.536	.336
MEAN RADIUS	1.091	1.029	.920
MAX RADIUS	1.753	1.620	1.343
HORIZONTAL SPREAD	2.731	2.051	1.958
VERTICAL SPREAD	2.624	2.624	2.544
SPHERE SPREAD	3.162	3.162	2.591
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

8 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08322153

CENTERFIRE PATTERNS

2

POB

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

ME= 2.446

VS= 1.623

GS= 2.519

CENTROID *

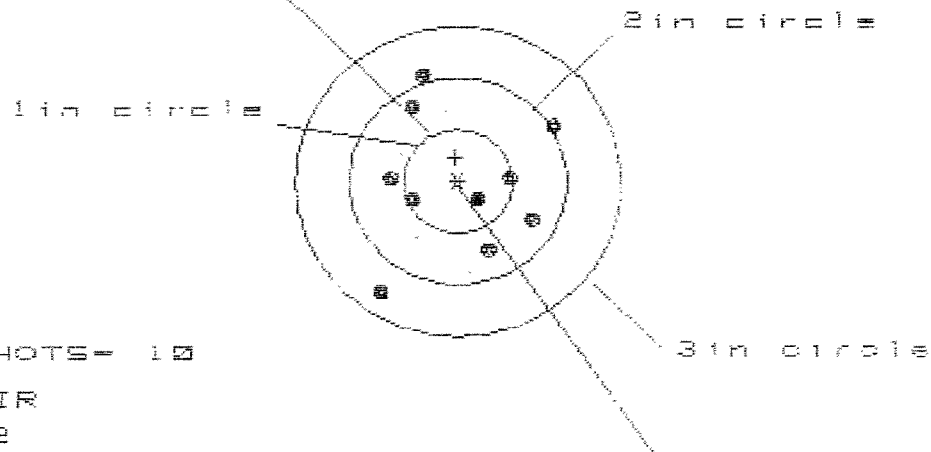
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.181	1.040	.729
MINIMUM X	:	-1.265	-.740	-.610
MAXIMUM Y	:	.894	.962	.972
MINIMUM Y	:	-.729	-.661	-.651
CENTROID X	:	.675	.216	.086
CENTROID Y	:	-.119	-.187	-.197
POB TO CENTROID in.	:	.141	.286	.215
MIN RADIUS	:	.270	.118	.206
MEAN RADIUS	:	.725	.623	.561
MAX RADIUS	:	1.487	1.043	1.004
HORIZONTAL SPREAD	:	2.446	1.780	1.239
VERTICAL SPREAD	:	1.623	1.623	1.623
EXTREME SPREAD	:	2.519	1.794	1.697
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522153

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

ES= 1.530

VS= 2.113

GS= 2.208

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST GF)	10	9	8
MAXIMUM X	.833	.756	.707
MINIMUM X	-.697	-.661	-.710
MAXIMUM Y	1.044	.925	.745
MINIMUM Y	-1.069	-.764	-.648
CENTROID X	.021	.098	.147
CENTROID Y	-.234	-.115	-.231
FOR TO CENTROID in.	.235	.151	.274
MIN RADIUS	.208	.272	.148
MEAN RADIUS	.744	.687	.619
ASK RADIUS	1.276	1.005	.940
HORIZONTAL SPREAD	1.530	1.417	1.417
VERTICAL SPREAD	2.113	1.689	1.393
EXTREME SPREAD	2.209	1.801	1.590
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

2 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06522153

CENTERFIRE PATTERNS

4

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

CENTROID *

1 in = 0.0000

2 in = 2.740

3 in = 2.853

PATTERN #

4

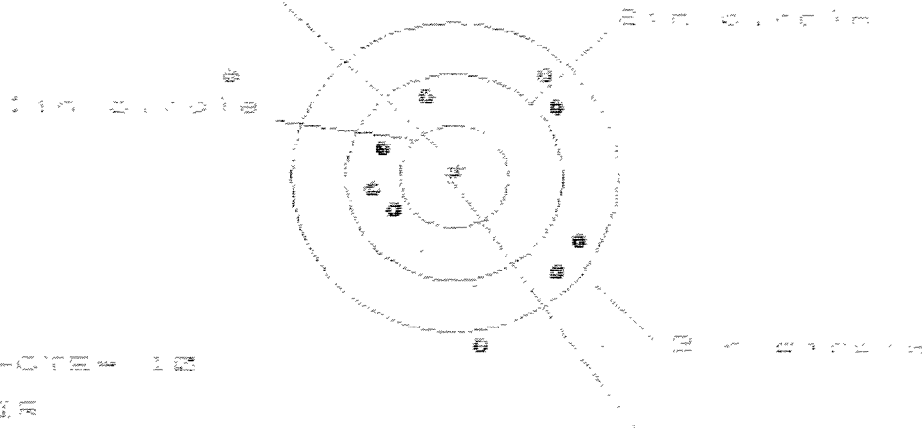
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.653	1.352	1.350
MINIMUM X	:	-1.182	-0.999	-0.961
MAXIMUM Y	:	1.201	1.158	0.960
MINIMUM Y	:	-1.539	-1.592	-0.919
CENTROID X	:	-0.044	-0.227	-0.265
CENTROID Y	:	-0.068	-0.025	0.173
FOR TO CENTROID in.	:	0.081	0.229	0.317
MIN RADIUS	:	0.522	0.342	0.245
MEAN RADIUS	:	1.084	0.977	0.862
MAX RADIUS	:	1.698	1.612	1.400
HORIZONTAL SPREAD	:	2.835	2.351	2.351
VERTICAL SPREAD	:	2.740	2.740	1.879
EXTREME SPREAD	:	2.953	2.853	2.390
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

8 DEC 1999

FILE:/PATTERNING/CENTERFIRE_PATT-03522153

CENTERFIRE PATTERNS # 5

FOH



+ 200 YARDS = 100

+ 200 YARDS

100 - 200

500 - 200

500 - 200

1000 - 2000

500 - 2000

1000 - 2000

CENTERFIRE # 5

PATTERN #

5

PATTERN #	10	5	0
SAFETY (BEST OF)	10	5	0
APPROX	1.172	1.942	1.948
FLIGHT	-2.072	-1.020	-1.028
APPROX	1.028	1.133	1.945
FLIGHT	-1.612	-1.528	-1.028
APPROX	-1.042	1.185	1.184
FLIGHT	-1.028	-1.169	0.020
APPROX	1.028	1.285	1.184
FLIGHT	1.024	1.796	1.814
APPROX	1.207	1.894	1.028
FLIGHT	2.279	1.508	1.272
APPROX	2.244	1.972	1.972
FLIGHT	2.641	2.641	1.963
APPROX	1.812	2.786	2.028
FLIGHT	0	0	0
APPROX	0	0	0
FLIGHT	0	0	0

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

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

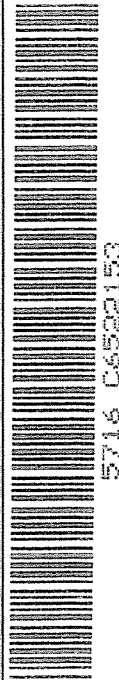
DUPONT

MODEL 700™ M24

SERIAL NO.
C6522153

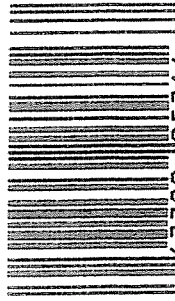
ORDER NO.
5716

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



5716 C6522153

UPC



0 47700 25716 7

RECEIVED BARBER - M24 0003775 REPORT

COMMENTS

ORDER
R 94-18347INITIALS
FDC

CUSTOMER ORDER NO.

DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

SCOPE 89-0644

DATE RECEIVED

06/11/94

DATE OPENED

06/11/94

DATE CODE

SERIAL NUMBER

C6522153

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

SLING STRAP

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTONAL
36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

REC. ASSY.

B5

D2

WOOD

C1

D3

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Trigger Assy \$173.31
CIT 50.00
\$223.31

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 1/9

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0003775 03814

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

SERIAL NO. C6522153

DATE _____

TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.76	2.43	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.59	2.22	2.68	
PULL #3	2.63	2.48	2.64	
PULL #4	2.59	2.26	2.65	
PULL #5	2.57	2.49	2.62	
TOTAL	13.14	11.88	13.25	
AVG.	2.63	2.38	2.65	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.16		
PULL #2	3.25	3.26		
PULL #3	3.24	3.04		
PULL #4	3.29	3.25		
PULL #5	3.35	3.25		
TOTAL	16.24	15.96		
AVG.	3.25	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.13		4.00
PULL #2	4.14	4.16		4.05
PULL #3	4.18	4.12		4.00
PULL #4	4.08	4.10		4.01
PULL #5	4.15	4.08		4.03
TOTAL	20.71	20.59		20.09
AVG.	4.14	4.12		4.02

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6522153

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			

BARBER - M24 0003778

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			12/4	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			12/4	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	2.82	2.84	2.77	2.79	2.74	12/4	WB
	C) Function							
660	Pack							