

C6522160

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smeal®

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: **RE00102785** Serial: C6522160 Model: M24 SWS CenterFire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:48:05 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** PO Box: **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **601 558 4593**

Fax:

Email:

Comments:

Received Condition:

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Front and Rear Sgt Base	1
C000	COPE CASE	1

Repair Search Refresh Close

neglty 10/26/2005 9:50 AM CAPS NUM INS SCPL

start 2 2 3 Arms S

Serial Number: **C6522160**

Model: **M24 SWS**



RE00102785

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

R & E NUMBER	102785		
SERIAL NUMBER	CAMP SHELBY C 6522160		
LOG-IN DATE	10-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-02-05	AC
560 A	RE-BARREL	11-9-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNAFLUX OPERATOR	11-15-05	CW
615	ROLLMARK CALIBER	11-15-05	LB
618	ROTO-BLAST	11-16-05	HP
620	APPLY COATINGS	11-16-05	BR
625 A	FINAL ASSEMBLY	11-18-05	AC
B	TRIGGER PULL TEST	11-21-05	AC
C	SAFETY "ON" FORCE	11-21-05	AC
D	SAFETY "OFF" FORCE	11-21-05	AC
E	FIRING PIN INDENT	11-21-05	AC
640	TARGET	11-19-05	MJM
655	FINAL INSPECT	11-21-05	AC
660	PACK	12-1-05	QA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

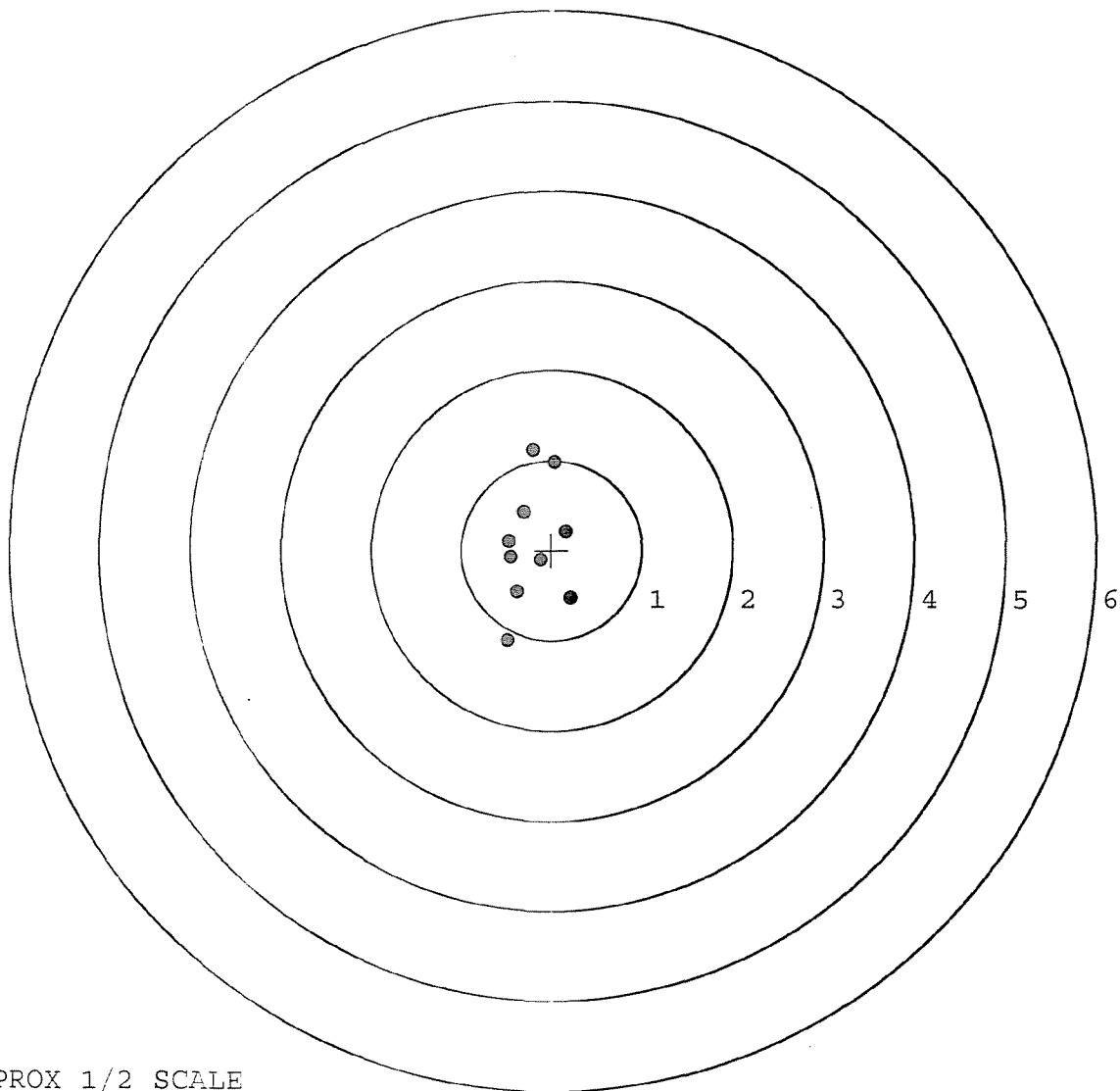
FIREARM SERIAL NUMBER / DATASET NAME: C6522160.___0

FILE DATE AND TIME: 11/19/2005 17:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	0.099
The Average Point of Impact of the Five Target Set:	0.125
The Average Mean Radius of the Five Target Set:	0.756
The Distance from POA to Centroid Target #1:	0.212
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.254
The Distance from Centroid Target #4 to Centroid Target #1:	0.359
The Distance from Centroid Target #5 to Centroid Target #1:	0.133

SERIAL NUMBER: C6522160. 0	POINT#	X	Y
TARGET NUMBER: 1	1:	-0.207	1.115
FILE DATE: 11/19/2005	2:	0.035	0.984
FILE TIME: 17:04	3:	0.154	0.207
	4:	0.208	-0.538
X CENTROID: -0.203	5:	-0.487	-1.012
Y CENTROID: 0.062	6:	-0.384	-0.471
POA TO CENTROID: 0.212	7:	-0.452	-0.083
HORZ SPREAD: 0.695	8:	-0.121	-0.113
VERT SPREAD: 2.127	9:	-0.467	0.098
GROUP SPREAD: 2.145	10:	-0.307	0.429
MIN RADIUS: 0.193			
MAX RADIUS: 1.111			
MEAN RADIUS: 0.592			
# IN 1 IN DIAMETER: 5			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0

TARGET NUMBER: 2

FILE DATE: 11/19/2005

FILE TIME: 17:04

POINT#	X	Y
1:	0.130	-0.054
2:	0.395	-0.233
3:	0.592	-0.484
4:	-0.162	-0.324
5:	-0.624	-0.090
6:	0.072	0.358
7:	0.555	0.208
8:	0.506	0.250
9:	0.184	0.818
10:	-1.126	0.343

X CENTROID: 0.052

Y CENTROID: 0.079

POA TO CENTROID: 0.095

HORZ SPREAD: 1.718

VERT SPREAD: 1.302

GROUP SPREAD: 1.907

MIN RADIUS: 0.154

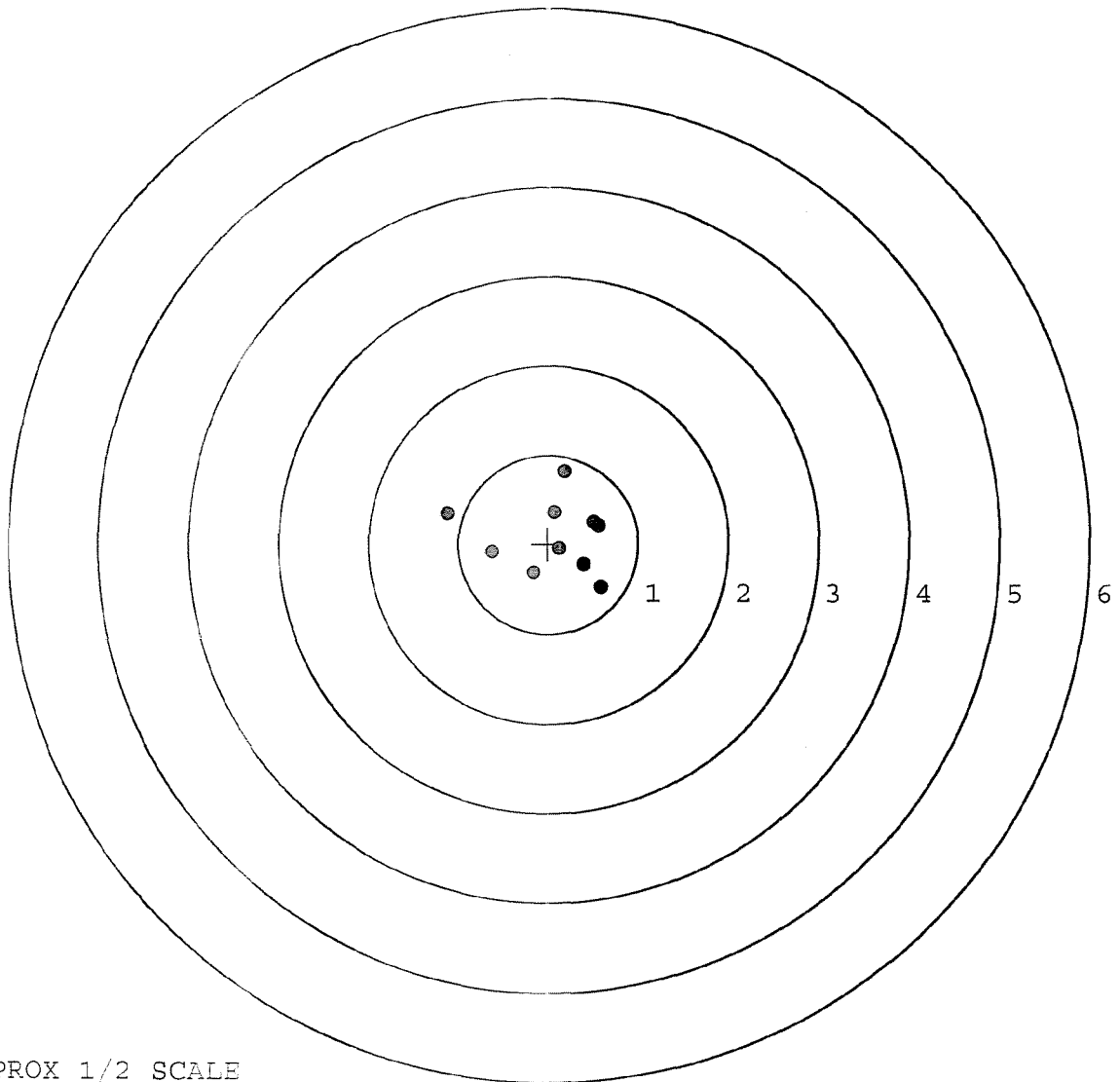
MAX RADIUS: 1.207

MEAN RADIUS: 0.579

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

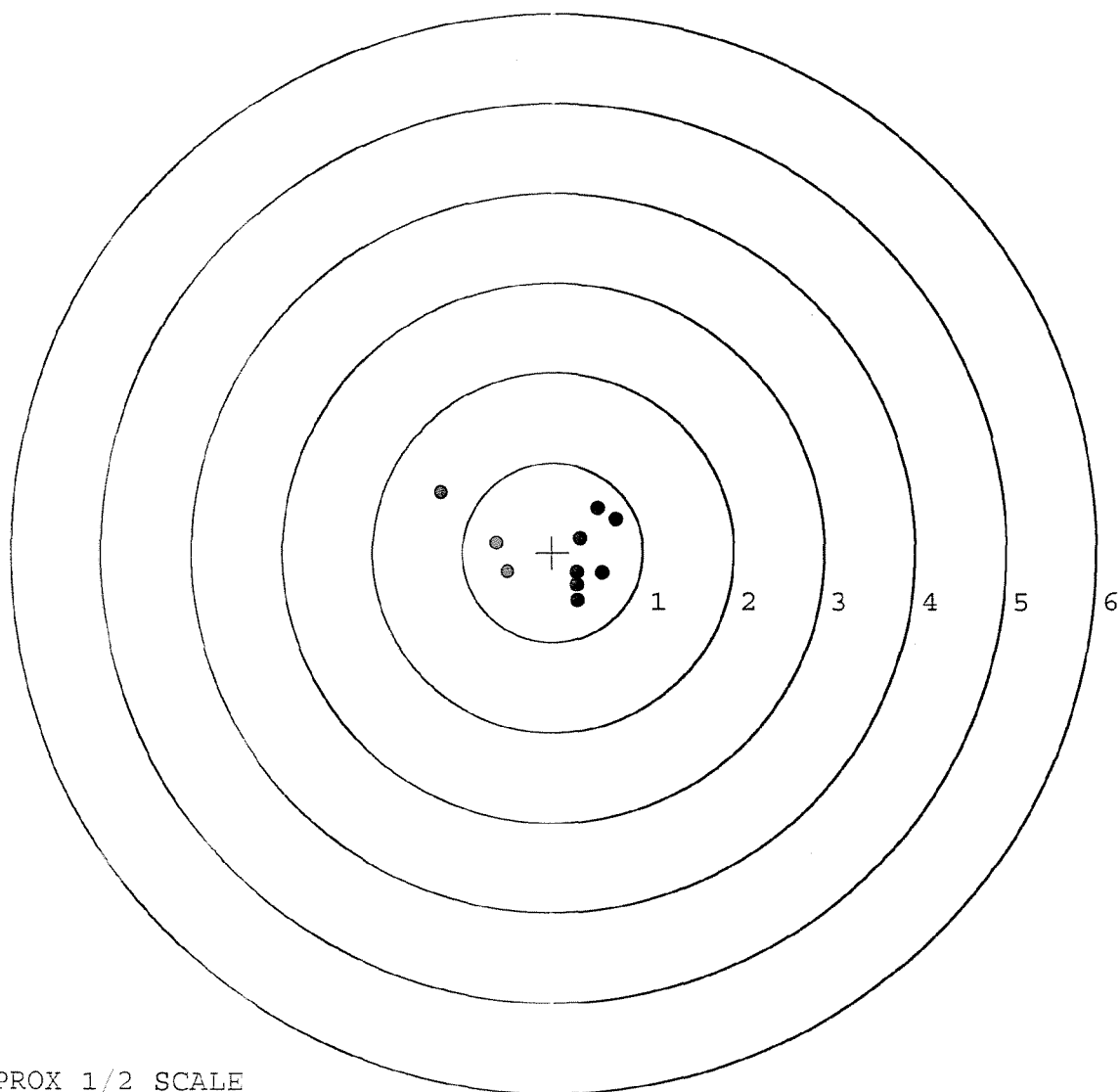


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0
 TARGET NUMBER: 3
 FILE DATE: 11/19/2005
 FILE TIME: 17:04

POINT#	X	Y
1:	0.696	0.370
2:	0.495	0.495
3:	0.301	0.163
4:	0.268	-0.223
5:	0.273	-0.365
6:	0.277	-0.537
7:	0.548	-0.232
8:	-0.505	-0.214
9:	-0.626	0.109
10:	-1.241	0.669

X CENTROID: 0.049
 Y CENTROID: 0.023
 POA TO CENTROID: 0.054
 HORZ SPREAD: 1.937
 VERT SPREAD: 1.206
 GROUP SPREAD: 2.003
 MIN RADIUS: 0.288
 MAX RADIUS: 1.442
 MEAN RADIUS: 0.634
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

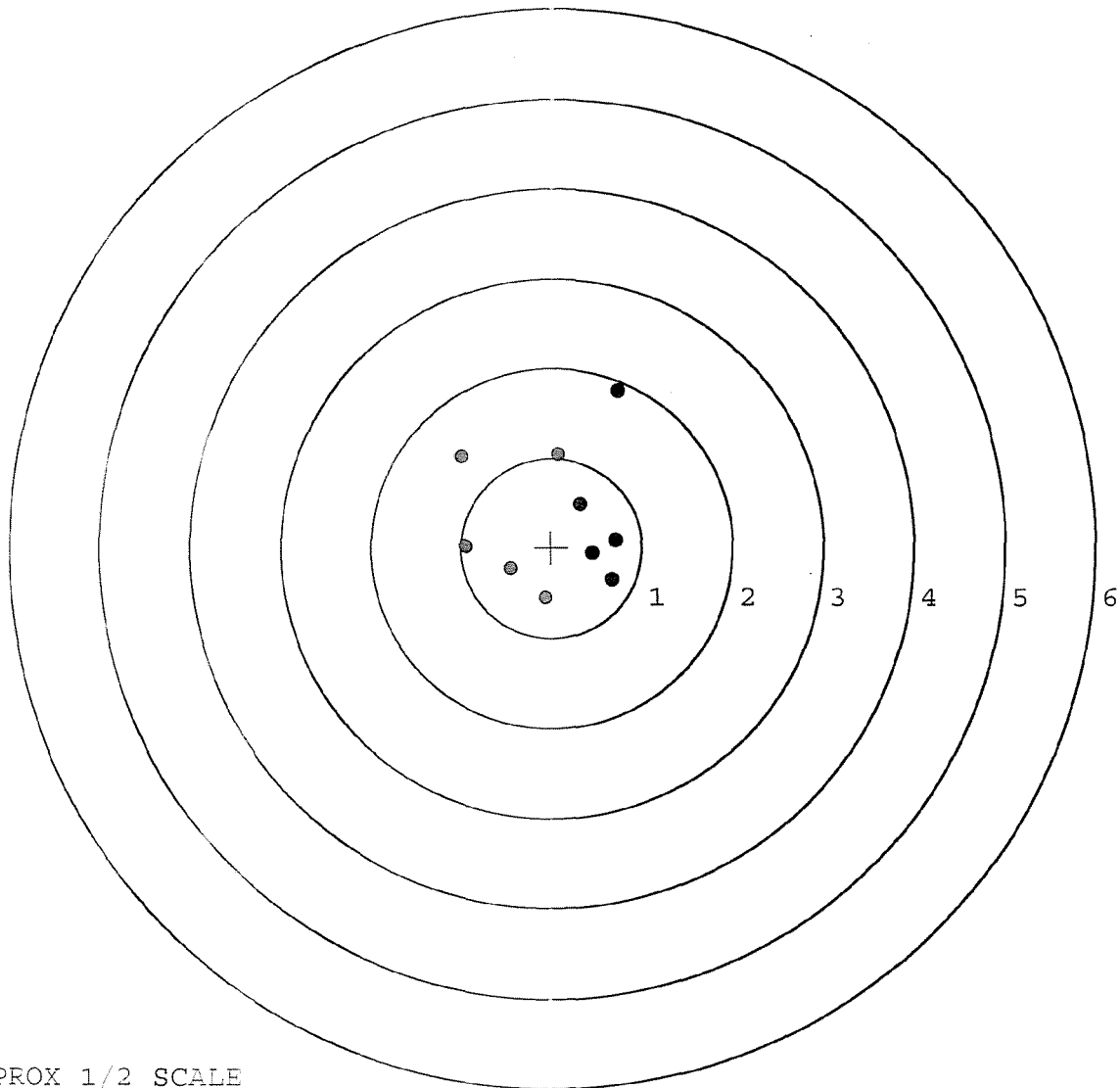


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0
 TARGET NUMBER: 4
 FILE DATE: 11/19/2005
 FILE TIME: 17:04

POINT#	X	Y
1:	0.701	0.085
2:	0.459	-0.066
3:	0.669	-0.357
4:	-0.067	-0.563
5:	-0.453	-0.235
6:	-0.947	0.014
7:	0.320	0.489
8:	0.079	1.041
9:	0.732	1.750
10:	-0.998	1.016

X CENTROID: 0.049
 Y CENTROID: 0.317
 POA TO CENTROID: 0.321
 HORZ SPREAD: 1.730
 VERT SPREAD: 2.313
 GROUP SPREAD: 2.447
 MIN RADIUS: 0.320
 MAX RADIUS: 1.587
 MEAN RADIUS: 0.874
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. __0

TARGET NUMBER: 5

FILE DATE: 11/19/2005

FILE TIME: 17:04

POINT#	X	Y
1:	-0.261	-0.339
2:	0.252	-0.417
3:	-0.750	-0.391
4:	-1.265	-0.566
5:	0.459	0.169
6:	0.983	0.299
7:	1.648	0.380
8:	-0.252	0.597
9:	-1.840	0.436
10:	-2.250	-0.020

X CENTROID: -0.328

Y CENTROID: 0.015

POA TO CENTROID: 0.328

HORZ SPREAD: 3.898

VERT SPREAD: 1.163

GROUP SPREAD: 3.918

MIN RADIUS: 0.360

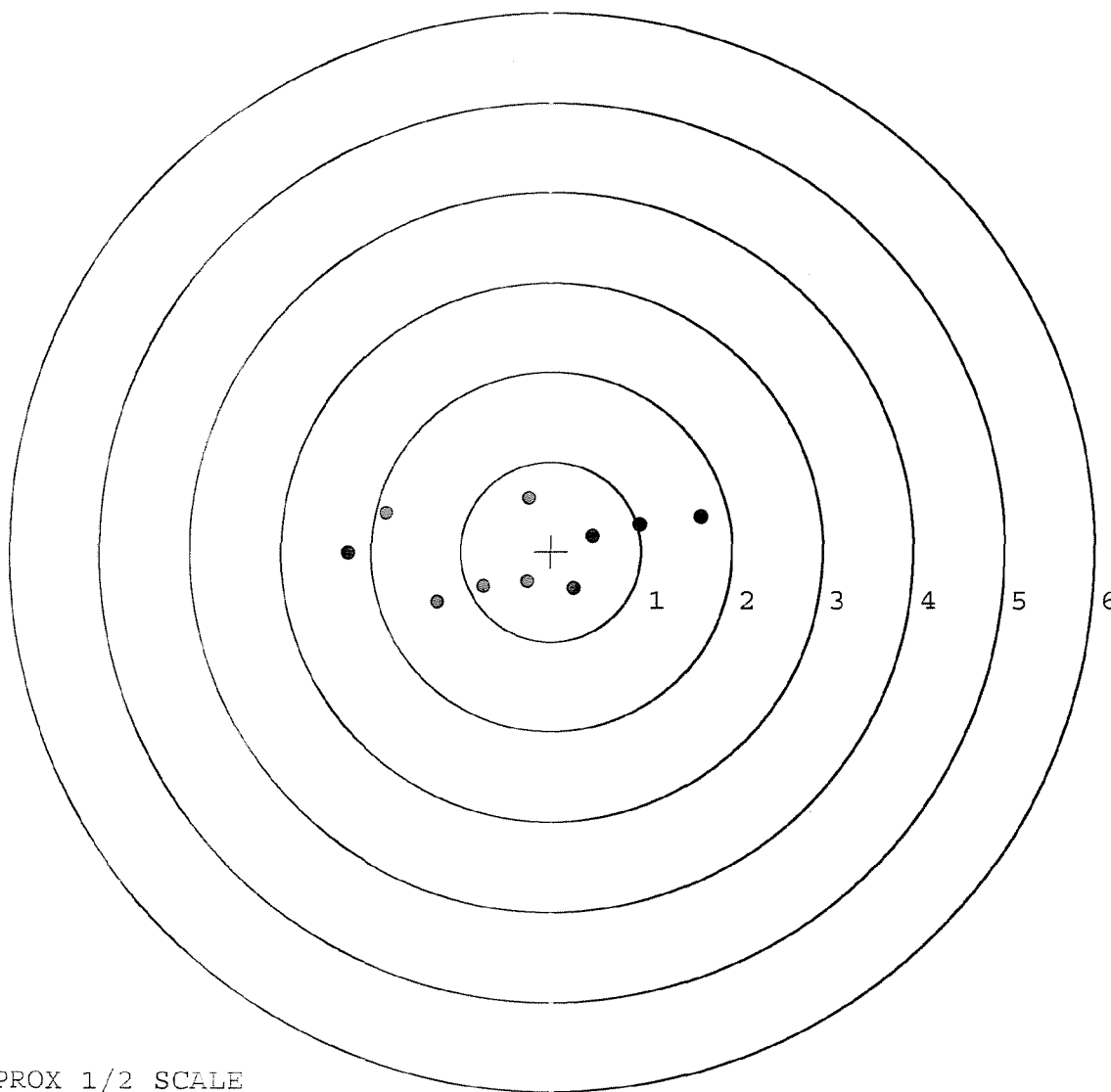
MAX RADIUS: 2.009

MEAN RADIUS: 1.100

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

Remington® REG. U.S. PAT. & TM. OFF.

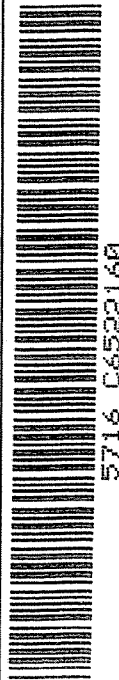
MODEL 700™ M24

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

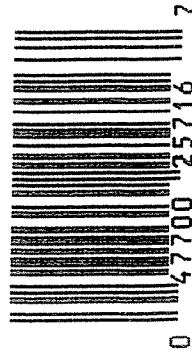
DUPONT

SERIAL NO. C6522160	ORDER NO. 5716
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MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522160

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCD
	Magnaflux Bolt		8/22/90	KCD
615	Rollmark Caliber		8/22/90	CS
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-22-90	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	WB

op. #	BARBER - M24 0003895 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	5	4 1/2			9/11/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/11/90	WB
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.0225	.023	.023			9/11/90	WB
	J) Assemble Stock						9/12/90	RW
	K) Assemble Swivel Studs						9/15/90	428
	L) Attach Front and Rear Sight Assemblies						9/12/90	RW
	M) Iron Sight Alignment						9/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/10/90	RW
	O) Attach Scope to Rifle						9/12/90	RW
	P) Detach & Attach Scope 20 Times						9/12/90	RW
640	Gallery Target & Test						9/13/90	14
	A) Time						9/13/90	KT
	B) Malfunctions						9/13/90	KT
	C) Pierced Primers						9/13/90	KT
	D) Optical Clarity of Scope						9/13/90	KT
645	Inspect for Live Ammo						9/13/90	KT
655	Final Inspection						9/15/90	428
	A) Headspace						9-15-90	20
	B) Trigger Pull	2.49	2.57	2.56	2.54	2.56	9-15-90	20
	C) Function						9/15/90	428
660	Pack						9/19/90	15

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C 6522160
DATE 7/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.32	2.31	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.29	2.26	2.57	
PULL #3	2.21	2.26	2.37	2.56	
PULL #4	2.44	2.20	2.39	2.59	
PULL #5	2.39	2.29	2.34	2.56	
TOTAL	12.00	11.36	11.67	12.77	
AVG.	2.40	2.27	2.33	2.554	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.08		
PULL #2	3.11	3.14		
PULL #3	3.12	3.09		
PULL #4	3.05	3.06		
PULL #5	3.10	3.02		
TOTAL	15.50	15.39		
AVG.	3.10	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.06		4.18
PULL #2	4.06	4.00		4.11
PULL #3	4.08	4.00		4.00
PULL #4	4.00	4.00		4.07
PULL #5	4.00	4.07		4.00
TOTAL	20.39	20.13		20.36
AVG.	4.08	4.02		4.07

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522160
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.155206
1 TO	2	.0867295
1 TO	3	.259656
1 TO	4	.103368
1 TO	5	.232011

57 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0616
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106437
THE AMR FOR THIS RIFLE IS: .9444

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 1.652

VS= 2.320

QS= 2.500

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.908

.997

1.005

MINIMUM X

-.744

-.655

-.647

MAXIMUM Y

1.369

1.440

1.229

MINIMUM Y

-.951

-.799

-.619

CENTROID X

.080

-.009

-.017

CENTROID Y

-.133

-.285

-.465

POA TO CENTROID in.

.155

.285

.465

MIN RADIUS

.565

.391

.269

MEAN RADIUS

.975

.867

.743

MAX RADIUS

1.582

1.441

1.389

HORIZONTAL SPREAD

1.652

1.652

1.652

VERTICAL SPREAD

2.320

2.239

1.848

EXTREME SPREAD

2.500

2.301

2.301

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

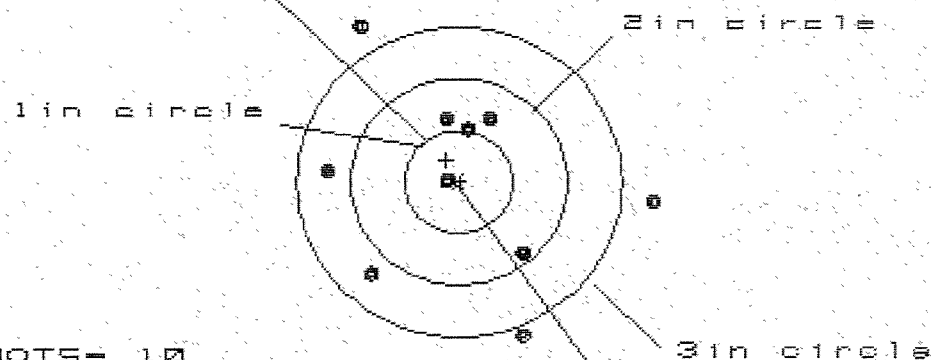
9

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.028

VS= 2.991

GS= 3.342

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.777	.776	.685
MINIMUM X	:	-1.251	-1.053	-1.144
MAXIMUM Y	:	1.475	1.457	.734
MINIMUM Y	:	-1.516	-1.534	-1.351
CENTROID X	:	.111	-.087	.004
CENTROID Y	:	-.214	-.196	-.379
POA TO CENTROID in.	:	.241	.215	.379
MIN RADIUS	:	.128	.071	.183
MEAN RADIUS	:	1.037	.940	.877
MAX RADIUS	:	1.784	1.716	1.513
HORIZONTAL SPREAD	:	3.028	1.829	1.829
VERTICAL SPREAD	:	2.991	2.991	2.085
EXTREME SPREAD	:	3.342	3.342	2.443
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.553

VS= 2.482

GS= 2.927

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.217	1.311	1.156
MINIMUM X	-1.336	-1.242	-.896
MAXIMUM Y	.939	.768	.787
MINIMUM Y	-1.543	-.844	-.825
CENTROID X	.166	.072	.227
CENTROID Y	.112	.283	.264
POA TO CENTROID in.	.200	.292	.348
MIN RADIUS	.238	.215	.079
MEAN RADIUS	.944	.831	.754
MAX RADIUS	1.761	1.313	1.160
HORIZONTAL SPREAD	2.553	2.553	2.052
VERTICAL SPREAD	2.482	1.612	1.612
EXTREME SPREAD	2.927	2.554	2.124
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 5

2in = 10

3in = 10

HS= 1.414

VS= 1.569

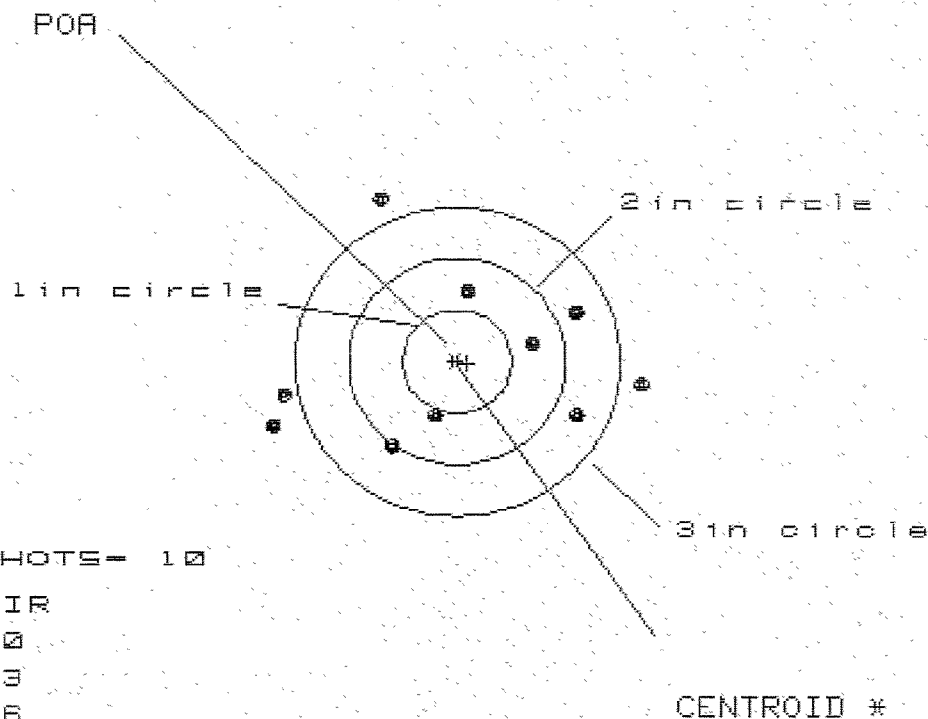
GS= 1.606

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.591	.564	.458
MINIMUM X	-.823	-.850	-.564
MAXIMUM Y	.875	.535	.511
MINIMUM Y	-.694	-.597	-.621
CENTROID X	.174	.201	.307
CENTROID Y	-.090	-.187	-.163
POA TO CENTROID in.	.196	.275	.348
MIN RADIUS	.093	.193	.160
MEAN RADIUS	.539	.493	.431
MAX RADIUS	.908	.871	.653
HORIZONTAL SPREAD	1.414	1.414	1.022
VERTICAL SPREAD	1.569	1.132	1.132
EXTREME SPREAD	1.606	1.570	1.193
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.392

VS= 2.434

GS= 3.415

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.707	1.520	1.415
MINIMUM X	-1.685	-1.807	-1.912
MAXIMUM Y	1.593	1.527	.813
MINIMUM Y	-.841	-.907	-.716
CENTROID X	-.097	.090	.195
CENTROID Y	.017	.083	-.108
POA TO CENTROID in.	.099	.122	.223
MIN RADIUS	.522	.561	.550
MEAN RADIUS	1.227	1.138	1.042
MAX RADIUS	1.784	1.851	1.924
HORIZONTAL SPREAD	3.392	3.327	3.327
VERTICAL SPREAD	2.434	2.434	1.529
EXTREME SPREAD	3.415	3.330	3.330
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		