

C6594564

MODEL 700TM M24

Model **SMS**TM

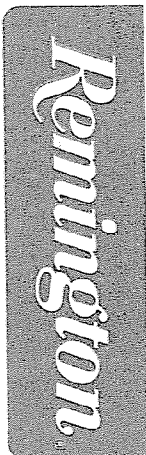
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



[illegible]

DATE: 20070424

MAINTENANCE REQUEST

DA FORM 5990-E

----- CUSTOMER DATA -----

UIC: WPQMT0
UTIL CODE: 7

HHC 1/153

PHONE: (501) 332-6081

----- ACTIVITY DATA -----

SUP WON:
SUP UIC: W8TMAA

CSMS

PHONE: 212-5802
SHOP SEC:

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24

NOUN: RIFLE: 7.62 SNIPER SER NUM: C6594564 QTY: 00001

ORG WON: PQMT01700023 PRIORITY: 03 FAILURE DETECTED: D

MI/KM: ----- HOURS: ----- ROUNDS:

IN WARRANTY: LEVEL OF WORK: F ADMIN NUM:

DEFICIENCY: RE-BARRELLED

PD AUTHENTICATING SIGNATURE: _____

----- SIGNATURE DATA -----

SUBMITTED BY: _____ ORD DATE: _____ MIL TIME: _____

ACCEPTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

----- ACTION DATA -----

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

----- COMPLETION DATA -----

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____ EVAC UNIT NAME: _____

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594564.__0
FILE DATE AND TIME: 07/09/2007 23:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.024
The Average Y Centroid of the Five Target Set:	-0.016
The Average Point of Impact of the Five Target Set:	0.029
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.150
The Distance from Centroid Target #2 to Centroid Target #1:	0.266
The Distance from Centroid Target #3 to Centroid Target #1:	0.290
The Distance from Centroid Target #4 to Centroid Target #1:	0.243
The Distance from Centroid Target #5 to Centroid Target #1:	0.185

SERIAL NUMBER: C6594564. 0

TARGET NUMBER: 1

FILE DATE: 07/09/2007

FILE TIME: 23:05

X CENTROID: -0.149

Y CENTROID: -0.016

POA TO CENTROID: 0.150

HORZ SPREAD: 1.706

VERT SPREAD: 2.160

GROUP SPREAD: 2.378

MIN RADIUS: 0.253

MAX RADIUS: 1.205

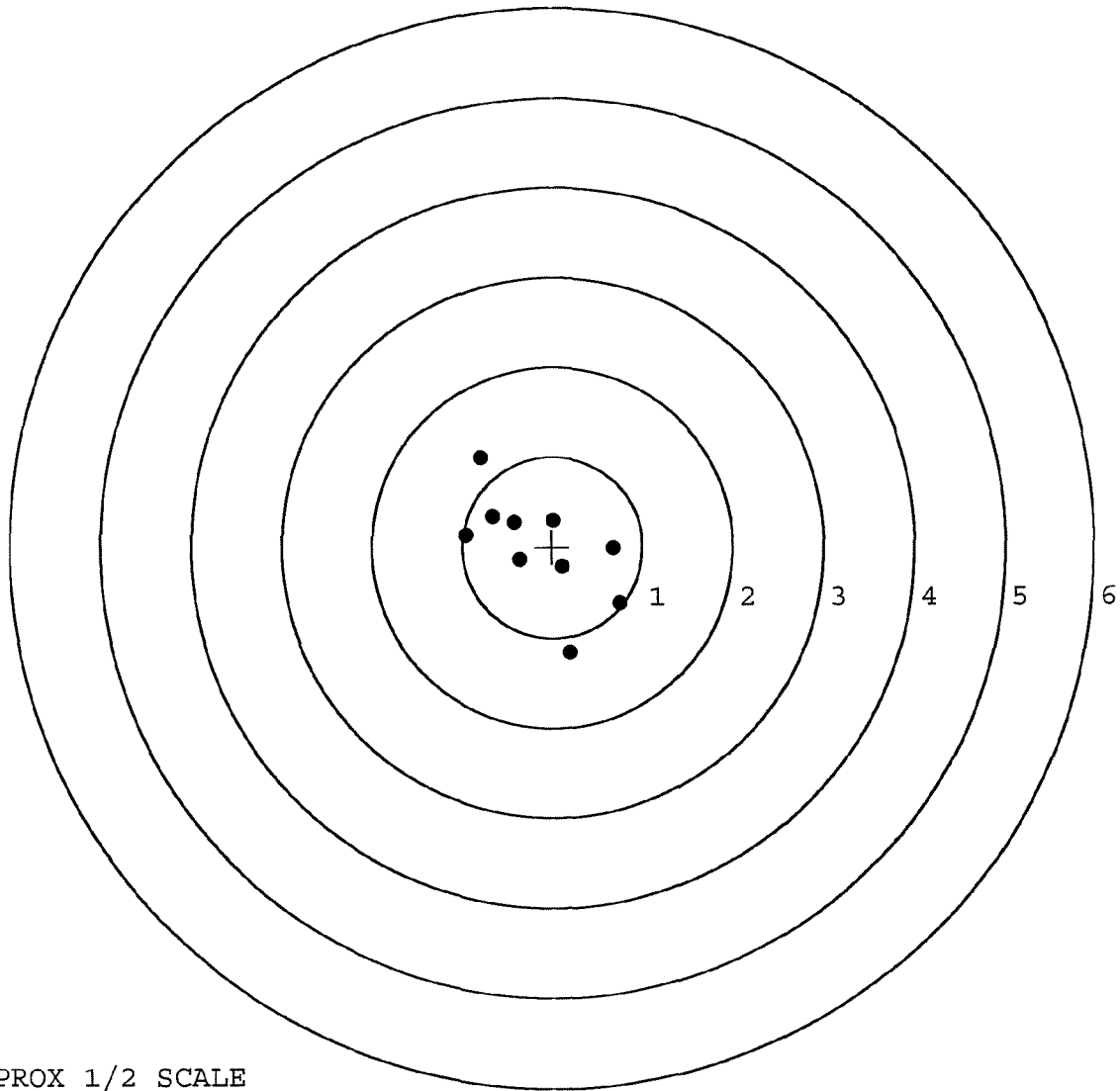
MEAN RADIUS: 0.709

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.795	0.990
2:	-0.668	0.337
3:	-0.431	0.268
4:	-0.965	0.133
5:	-0.366	-0.145
6:	0.112	-0.223
7:	0.676	-0.019
8:	0.741	-0.622
9:	0.199	-1.170
10:	0.010	0.292

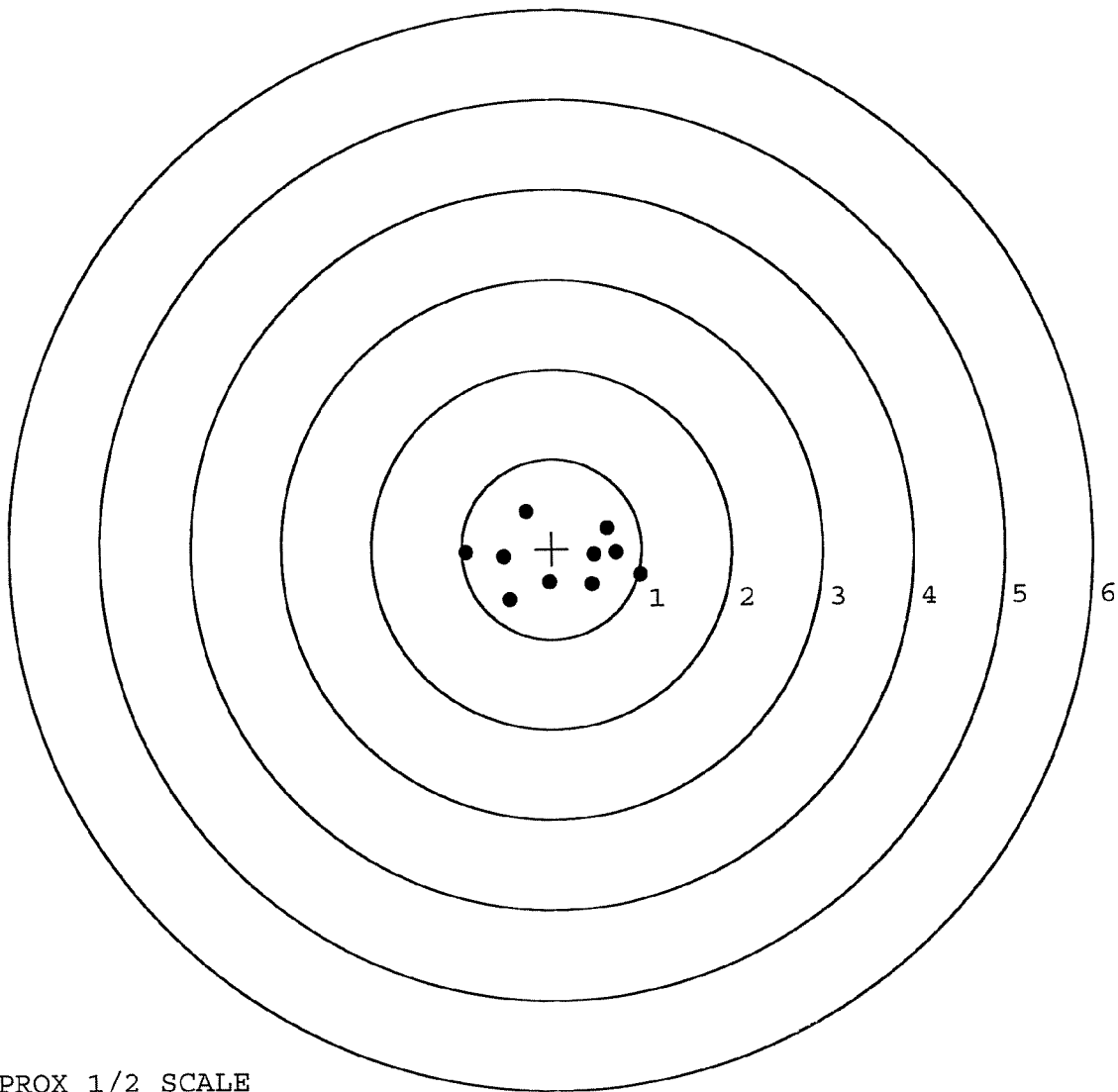


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594564. 0
 TARGET NUMBER: 2
 FILE DATE: 07/09/2007
 FILE TIME: 23:05

X CENTROID: 0.094
 Y CENTROID: -0.125
 POA TO CENTROID: 0.156
 HORZ SPREAD: 1.940
 VERT SPREAD: 0.980
 GROUP SPREAD: 1.957
 MIN RADIUS: 0.275
 MAX RADIUS: 1.055
 MEAN RADIUS: 0.632
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.284	0.414
2:	-0.957	-0.042
3:	-0.539	-0.090
4:	-0.476	-0.566
5:	-0.027	-0.372
6:	0.619	0.223
7:	0.471	-0.073
8:	0.711	-0.048
9:	0.983	-0.300
10:	0.443	-0.394

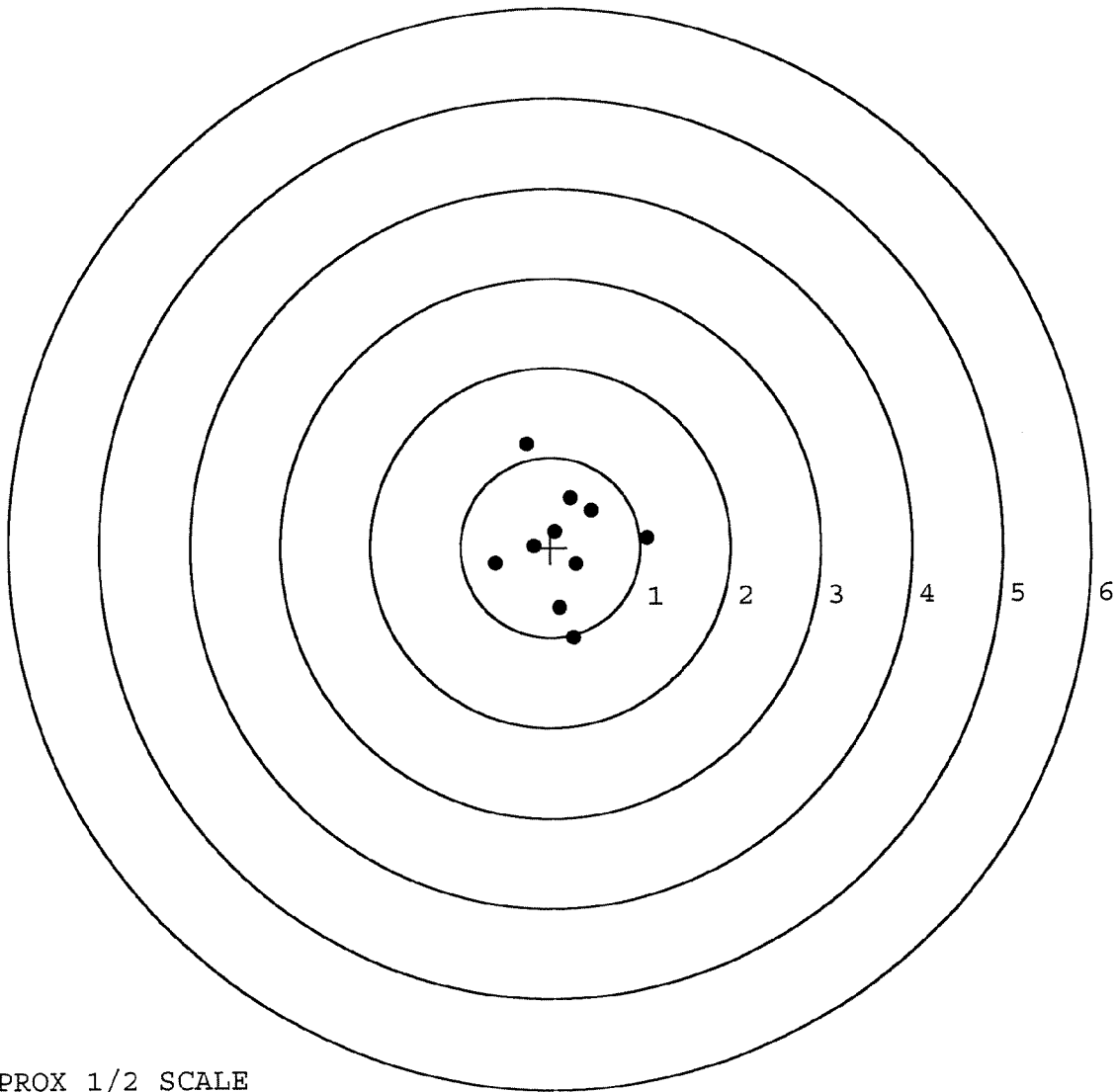


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594564. 0
 TARGET NUMBER: 3
 FILE DATE: 07/09/2007
 FILE TIME: 23:05

X CENTROID: 0.137
 Y CENTROID: 0.034
 POA TO CENTROID: 0.141
 HORZ SPREAD: 1.690
 VERT SPREAD: 2.163
 GROUP SPREAD: 2.222
 MIN RADIUS: 0.166
 MAX RADIUS: 1.186
 MEAN RADIUS: 0.644
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.255	1.153
2:	0.220	0.547
3:	0.454	0.409
4:	0.050	0.175
5:	0.283	-0.192
6:	-0.189	0.014
7:	0.097	-0.674
8:	0.253	-1.010
9:	1.075	0.096
10:	-0.615	-0.178

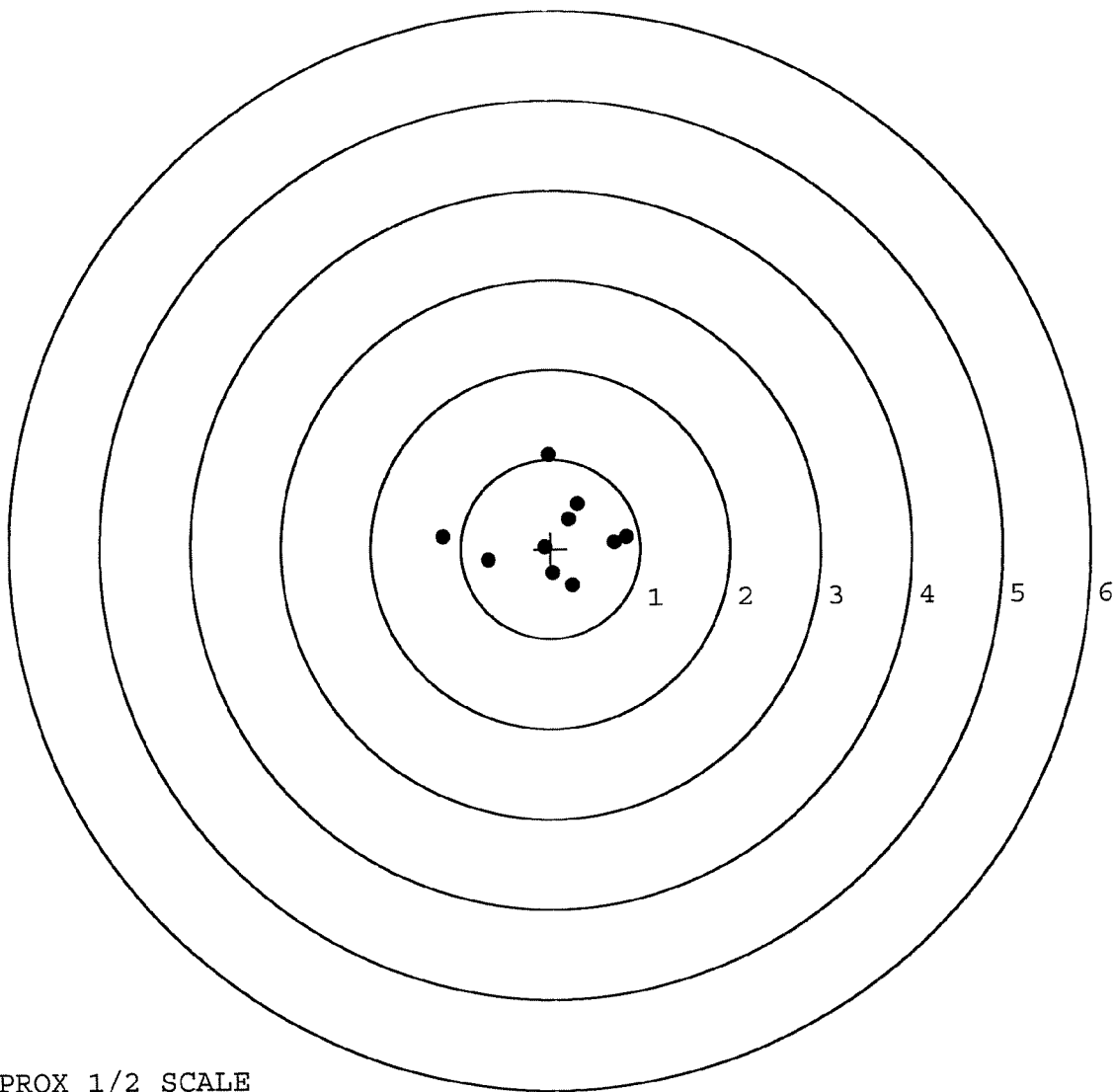


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594564. 0
 TARGET NUMBER: 4
 FILE DATE: 07/09/2007
 FILE TIME: 23:05

X CENTROID: 0.034
 Y CENTROID: 0.145
 POA TO CENTROID: 0.149
 HORZ SPREAD: 2.036
 VERT SPREAD: 1.458
 GROUP SPREAD: 2.036
 MIN RADIUS: 0.163
 MAX RADIUS: 1.230
 MEAN RADIUS: 0.626
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.300	0.501
2:	0.203	0.328
3:	0.710	0.070
4:	0.840	0.132
5:	-0.073	0.021
6:	0.024	-0.267
7:	0.241	-0.408
8:	-0.694	-0.123
9:	-1.196	0.145
10:	-0.020	1.050

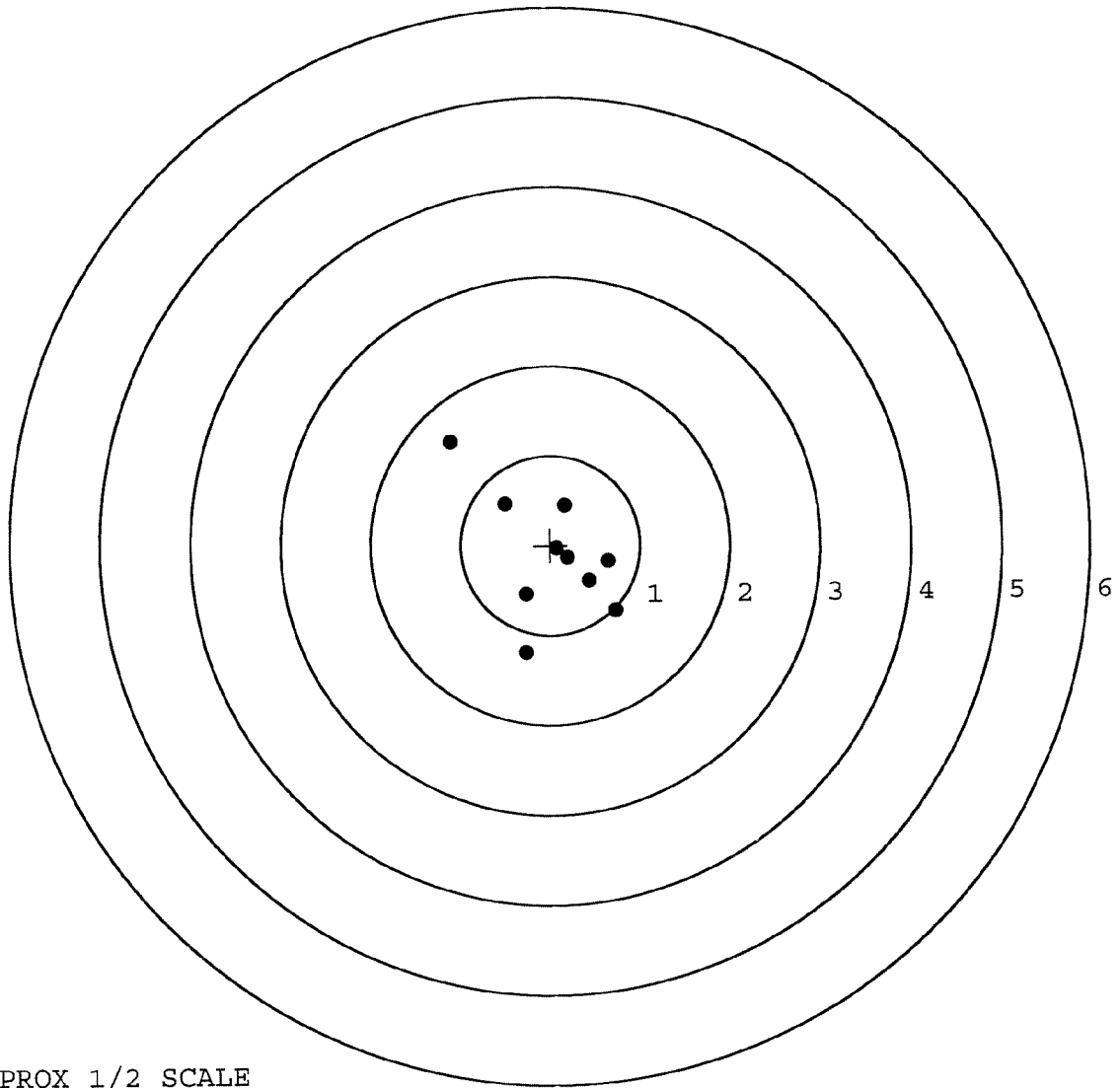


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594564. 0
 TARGET NUMBER: 5
 FILE DATE: 07/09/2007
 FILE TIME: 23:05

X CENTROID: 0.005
 Y CENTROID: -0.118
 POA TO CENTROID: 0.118
 HORZ SPREAD: 1.827
 VERT SPREAD: 2.353
 GROUP SPREAD: 2.632
 MIN RADIUS: 0.105
 MAX RADIUS: 1.692
 MEAN RADIUS: 0.706
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.105	1.159
2:	0.162	0.444
3:	0.187	-0.143
4:	0.429	-0.406
5:	0.642	-0.184
6:	0.722	-0.736
7:	-0.275	-0.548
8:	-0.281	-1.194
9:	0.070	-0.036
10:	-0.500	0.462



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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)

DATE 6-6-07TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.39	2.76		2.75	
PULL #2	2.28	2.71		2.74	
PULL #3	2.44	2.73		2.76	
PULL #4	2.47	2.71		2.90	
PULL #5	2.58	2.66		2.75	
TOTAL	12.16	13.57		13.90	
AVERAGE	2.43	2.71		2.78	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.21		
PULL #2	3.25	3.13		
PULL #3	3.20	3.20		
PULL #4	3.22	3.24		
PULL #5	3.35	3.18		
TOTAL	16.21	15.96		
AVERAGE	3.24	3.19		

	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	4.54	4.47		4.54
PULL #2	4.46	4.55		4.52
PULL #3	4.61	4.59		4.58
PULL #4	4.50	4.65		4.46
PULL #5	4.57	4.68		4.53
TOTAL	22.68	22.94		22.63
AVERAGE	4.53	4.58		4.52

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER		129141	
SERIAL NUMBER		C6594564	
LOG-IN DATE		5-9-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-8-07	RJL
505	RE-BARREL	6-15-07	RJL
560	ASSEMBLE	6-18-07	RJL
600	PROOF	6-18-07	TRW
605	CHECK HEADSPACE	6-18-07	TRW
610	DIS-ASSEMBLE GUN	6-18-07	RJL
612	MAGNAFLUX	6-19-07	WMB
510	DRILL AND TAP	6-18-07	S.D
615	ROLLMARK CALIBER	6-19-07	CW
618	ROTO-BLAST	6-19-07	DK
620	APPLY COATINGS	6-12-07	EB
625	FINAL ASSEMBLY	6-28-07	RJL
640	FUNCTION TEST AND	PASS FAIL	7/9/07 WMB
650	TARGET	PASS FAIL	7/9/07 WMB
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-11-07 DA
	A) HEADSPACE	PASS FAIL	7-11-07 DA
	B) TRIGGER PULL	222 2.18 2.13 2.18 2.18 7-11-07	DA
		2 LBS MIN 10 LBS MAX	
680	F) SAFETY ON FORCE	50 50 45 7-11-07	DA
		2 LBS MIN	
	G) SAFETY OFF FORCE	2.5 30 30 7-11-07	DA
		.020	
	I) FIRING PIN INDENT	.023 .023 .023 7-11-07	DA
690	PACK		7-11-07 DA

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM M24

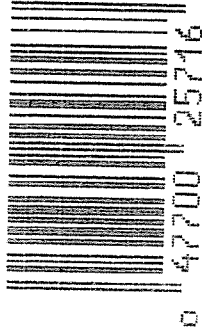
SERIAL NO. 06594564

ORDER NO. 5716

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



UPC



0 47700 25716 2

MOD.		GA. CAL.	GUN #	ASSEM. #
#	DATE	CG594564		
TEST	DATE	MALFUNCTION/DEFECT		
	1st	shoe burnt off don't eject		
	2nd	POLISHED EJECTOR Rep'd	K.S. 1/21/91	
	3rd	100 Rd. test AC. 1-29-91	OK	
	4th			
		FUNCTION	RD 6654	Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

C6594564

GUN SERIAL #

~~C6954564~~

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/3/90	Kd
600	Proof		10/3/90	Kd
607	Check Headspace		10/3/90	Kd
610	Dis-assemble Gun		10/3/90	Kd
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	GB
617	Drill and Tap Sight Holes		11/6/90	LB
618	Polish Barrel <i>P.B.</i>		11/7/90	LB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/91	KS
	C) Inspect Ejector Hole for Chamfer		1/17/91	KS
	D) Oil Firing Pin Ass'y		1/17/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-18-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1/18/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			1/18/91	WB
	H) Trigger Pull Test & Retainability						1-18-91	JH
	I) Firing Pin Indent	.020	.020	.020			1/18/91	WB
	J) Assemble Stock						1/18/91	KS
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/18/91	KS
	M) Iron Sight Alignment						1/18/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/18/91	KS
	O) Attach Scope to Rifle						1/18/91	KS
	P) Detach & Attach Scope 20 Times						1/18/91	KS
640	Gallery Target & Test						1-20-91	DH
	A) Time						1-20-91	DH
	B) Malfunctions						1-20-91	DH
	C) Pierced Primers						1-20-91	DH
	D) Optical Clarity of Scope						1-20-91	DH
645	Inspect for Live Ammo						1-20-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.13	2.16	2.18	2.15	2.17	2-1-91	JH
	C) Function						2-4-91	AC
660	Pack						3-19-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO

C6594564

~~C6594564~~

DATE

1-18-91

TESTER

JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.25	2.46	2.13	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.34	2.29	2.16	
PULL #3	2.50	2.40	2.15	2.18	
PULL #4	2.37	2.32	2.30	2.15	
PULL #5	2.28	2.38	2.28	2.17	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.38		
PULL #2	3.37	3.32		
PULL #3	3.38	3.38		
PULL #4	3.32	3.36		
PULL #5	3.38	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.42		4.41
PULL #2	4.43	4.46		4.22
PULL #3	4.26	4.43		4.42
PULL #4	4.49	4.49		4.42
PULL #5	4.50	4.43		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594564
21 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0707248
1 TO	2	.231573
1 TO	3	.228239
1 TO	4	.0931719
1 TO	5	.217021

$\frac{2}{45}$ <----POB

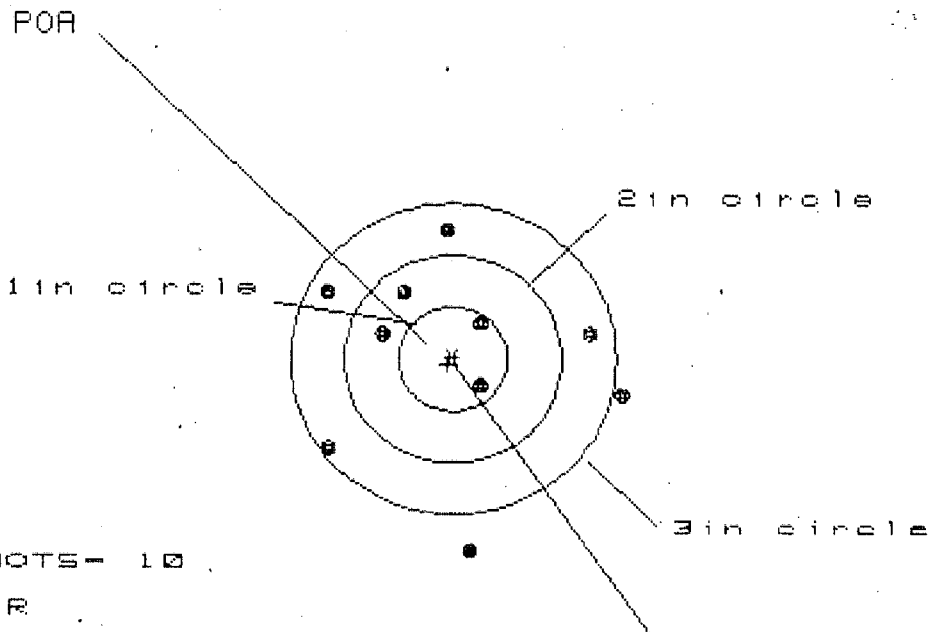
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0228
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0888
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0916803

THE AMR FOR THIS RIFLE IS: .8206

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594564

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.660

VS= 3.136

GS= 3.142

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.510	1.524	1.449
MINIMUM X	-1.150	-1.136	-.945
MAXIMUM Y	1.255	1.046	.980
MINIMUM Y	-1.881	-1.024	-1.090
CENTROID X	.049	.035	-.156
CENTROID Y	.051	.260	.326
POA TO CENTROID in.	.071	.263	.361
MIN RADIUS	.373	.350	.424
MEAN RADIUS	1.091	.971	.866
MAX RADIUS	1.885	1.613	1.449
HORIZONTAL SPREAD	2.660	2.660	2.394
VERTICAL SPREAD	3.136	2.070	2.070
EXTREME SPREAD	3.142	2.779	2.611
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65945B4

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 8

HS= 2.367

VS= 2.537

GS= 2.892

CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	-1.562	1.133	1.054
MINIMUM X	-0.805	-0.632	-0.674
MAXIMUM Y	1.198	1.233	1.070
MINIMUM Y	-1.339	-1.304	-0.513
CENTROID X	-0.066	-0.240	-0.161
CENTROID Y	.252	.217	.380
POA TO CENTROID in.	.261	.323	.412
MIN RADIUS	.134	.158	.146
MEAN RADIUS	.741	.640	.547
MAX RADIUS	1.594	1.449	1.265
HORIZONTAL SPREAD	2.367	1.765	1.728
VERTICAL SPREAD	2.537	2.537	1.583
EXTREME SPREAD	2.892	2.537	1.998
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594564

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.413

VS= 2.860

GS= 3.125

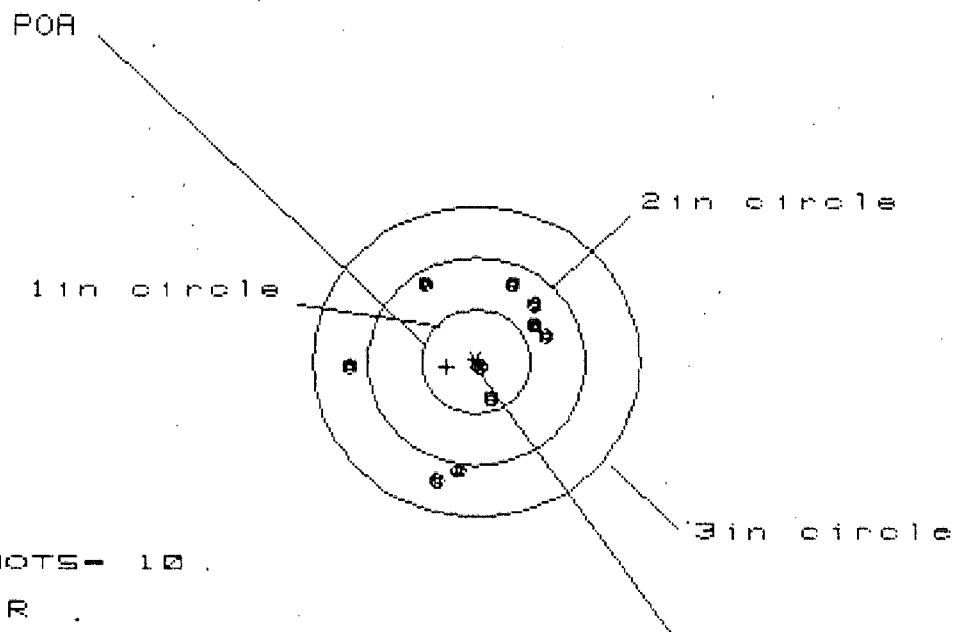
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.532	1.575	1.137
MINIMUM X	:	-.881	-.838	-.642
MAXIMUM Y	:	1.115	.921	.900
MINIMUM Y	:	-1.745	-.531	-.552
CENTROID X	:	.029	-.014	-.210
CENTROID Y	:	-.040	.154	.175
POA TO CENTROID in.	:	.049	.154	.273
MIN RADIUS	:	.330	.186	.036
MEAN RADIUS	:	.864	.730	.572
MAX RADIUS	:	1.785	1.583	1.169
HORIZONTAL SPREAD	:	2.413	2.413	1.779
VERTICAL SPREAD	:	2.860	1.452	1.452
EXTREME SPREAD	:	3.125	2.647	2.130
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594564

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.729

VS= 1.966

GS= 2.038

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.603	.558	.412
MINIMUM X	-1.126	-1.171	-.656
MAXIMUM Y	.795	.664	.640
MINIMUM Y	-1.171	-1.227	-1.251
CENTROID X	.266	.311	.457
CENTROID Y	.048	.179	.203
POA TO CENTROID in.	.270	.359	.500
MIN RADIUS	.072	.167	.229
MEAN RADIUS	.765	.697	.603
MAX RADIUS	1.240	1.239	1.292
HORIZONTAL SPREAD	1.729	1.729	1.068
VERTICAL SPREAD	1.966	1.891	1.891
EXTREME SPREAD	2.038	1.920	1.920
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594564

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.729

VS= 1.966

GS= 2.038

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.603	.558	.412
MINIMUM X	:	-1.126	-1.171	-1.656
MAXIMUM Y	:	.795	.664	.640
MINIMUM Y	:	-1.171	-1.227	-1.251
CENTROID X	:	.266	.311	.457
CENTROID Y	:	.048	.179	.203
POA TO CENTROID in.	:	.270	.359	.500
MIN RADIUS	:	.072	.167	.229
MEAN RADIUS	:	.765	.697	.603
MAX RADIUS	:	1.240	1.239	1.292
HORIZONTAL SPREAD	:	1.729	1.729	1.068
VERTICAL SPREAD	:	1.966	1.891	1.891
EXTREME SPREAD	:	2.038	1.920	1.920
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	