

C6522310

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

MOD.		GA. CAL.	GUN #	ASSEM. #
#	DATE	MALFUNCTION/DEFECT		
	1st	MAG BOX Tight		
	9-13-90			
	2nd			
	3rd			
	4th			
		FUNCTION		Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Adjusted mag Box. OK	9/16/00 RW
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522310

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/13/90	KS
600	Proof		8/13/90	KS
607	Check Headspace		8/13/90	KS
610	Dis-assemble Gun		8/13/90	KS
612	Magnaflux Barrel Action		8/16	KCR
	Magnaflux Bolt		8/16	KCR
615	Rollmark Caliber		8/16	GL
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-31-90	TJA
	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		9/10/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 3/4			9/10/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/10/90	WB
	H) Trigger Pull Test & Retainability						9/10/90	WB
	I) Firing Pin Indent	.0235	.023	.023			9/10/90	WB
	J) Assemble Stock						9/11/90	KA
	K) Assemble Swivel Studs						9/16/90	ES
	L) Attach Front and Rear Sight Assemblies						9/11/90	KA
	M) Iron Sight Alignment						9/11/90	KA
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	KA
	O) Attach Scope to Rifle						9/11/90	KA
	P) Detach & Attach Scope 20 Times						9/11/90	KA
640	Gallery Target & Test						9-13-90	DH
	A) Time						9-13-90	DH
	B) Malfunctions						9-13-90	DH
	C) Pierced Primers						9-13-90	DH
	D) Optical Clarity of Scope						9-13-90	DH
645	Inspect for Live Ammo						9-13-90	DH
655	Final Inspection							
	A) Headspace						9/16/90	ES
	B) Trigger Pull	2.18	2.30	2.33	2.34	2.41	9-16-90	88
	C) Function						9/16/90	ES
660	Pack						9-19-90	DH

SWS TRIGGER PULL TEST

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

C6522310
SERIAL NO. _____
DATE 9/10/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.38	2.12	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.42	2.15	2.30	
PULL #3	2.18	2.35	2.12	2.33	
PULL #4	2.19	2.34	2.11	2.34	
PULL #5	2.15	2.36	2.14	2.41	
TOTAL	10.94	11.85	10.64	11.56	
AVG.	2.19	2.37	2.13	2.312	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	2.95		
PULL #2	3.02	2.95		
PULL #3	3.01	2.90		
PULL #4	2.95	2.95		
PULL #5	2.99	3.00		
TOTAL	14.92	14.75		
AVG.	2.98	2.95		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.14		4.04
PULL #2	4.04	4.04		4.04
PULL #3	4.00	4.00		4.04
PULL #4	4.01	4.02		4.02
PULL #5	4.19	4.03		4.04
TOTAL	20.29	20.23		20.18
AVG.	4.06	4.04		4.03

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522310
13 Sep 1990

CENTROIDAL DISTANCES

0 TO 1	.632273
1 TO 2	.355418
1 TO 3	.203767
1 TO 4	.865677
1 TO 5	.749753

+¹₂₃
54 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4732
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0302
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .474163
THE AMR FOR THIS RIFLE IS: .9022

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522310

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.198

VS = 2.545

GS = 2.730

CENTROID #

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.984

.982

.830

MINIMUM X

-1.294

-1.216

-.538

MAXIMUM Y

1.385

.983

.942

MINIMUM Y

-1.160

-1.006

-1.047

CENTROID X

.500

.422

.574

CENTROID Y

.387

.233

.274

POA TO CENTROID in.

.632

.482

.636

MIN RADIUS

.319

.257

.211

MEAN RADIUS

.830

.736

.663

MAX RADIUS

1.552

1.390

1.256

HORIZONTAL SPREAD

2.198

2.198

1.368

VERTICAL SPREAD

2.545

1.989

1.989

EXTREME SPREAD

2.730

2.558

2.209

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

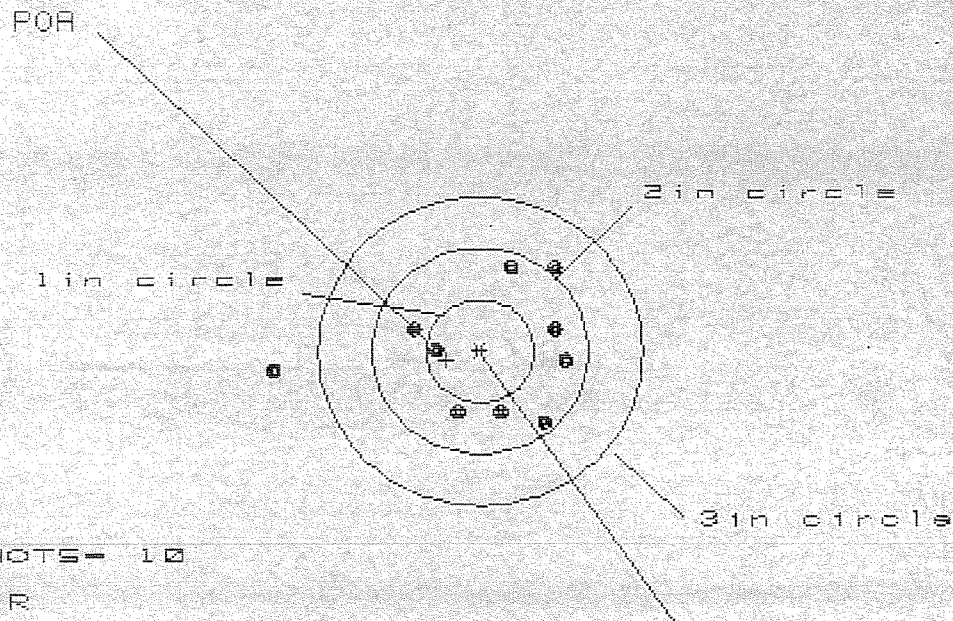
NUMBER IN THREE INCH CIRCLE =

9

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522310

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 2.665

VS= 1.424

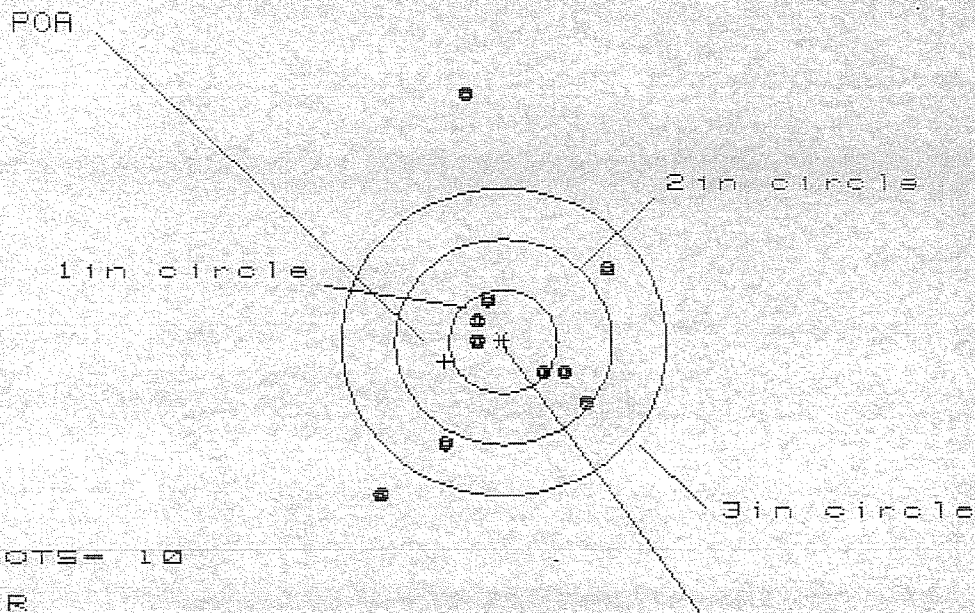
GS= 2.741

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.795	.587	.649
MINIMUM X	:	-1.870	-.860	-.798
MAXIMUM Y	:	.777	.759	.853
MINIMUM Y	:	-.647	-.665	-.571
CENTROID X	:	.311	.519	.457
CENTROID Y	:	.086	.104	.010
POA TO CENTROID in.	:	.323	.530	.457
MIN RADIUS	:	.393	.523	.487
MEAN RADIUS	:	.843	.706	.671
MAX RADIUS	:	1.877	.900	.865
HORIZONTAL SPREAD	:	2.665	1.447	1.447
VERTICAL SPREAD	:	1.424	1.424	1.424
EXTREME SPREAD	:	2.741	1.659	1.497
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522310

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 8

HS= 2.154

VS= 3.906

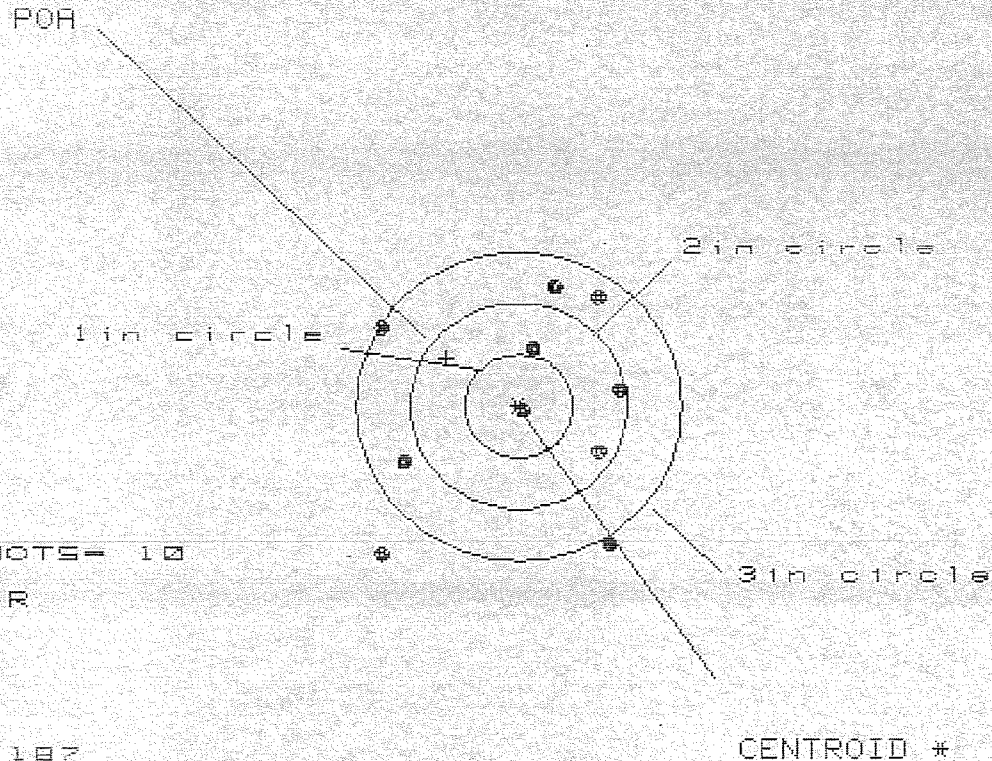
GS= 4.001

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.992	.960	.810
MINIMUM X	:	-1.162	-1.194	-.680
MAXIMUM Y	:	2.434	.936	.786
MINIMUM Y	:	-1.472	-1.201	-.888
CENTROID X	:	.539	.571	.721
CENTROID Y	:	.187	-.084	.056
POA TO CENTROID in.	:	.570	.578	.724
MIN RADIUS	:	.236	.315	.266
MEAN RADIUS	:	.973	.804	.663
MAX RADIUS	:	2.452	1.694	1.129
HORIZONTAL SPREAD	:	2.154	2.154	1.490
VERTICAL SPREAD	:	3.906	2.137	1.674
EXTREME SPREAD	:	4.001	3.034	2.241
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522310

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.107

VS = 2.626

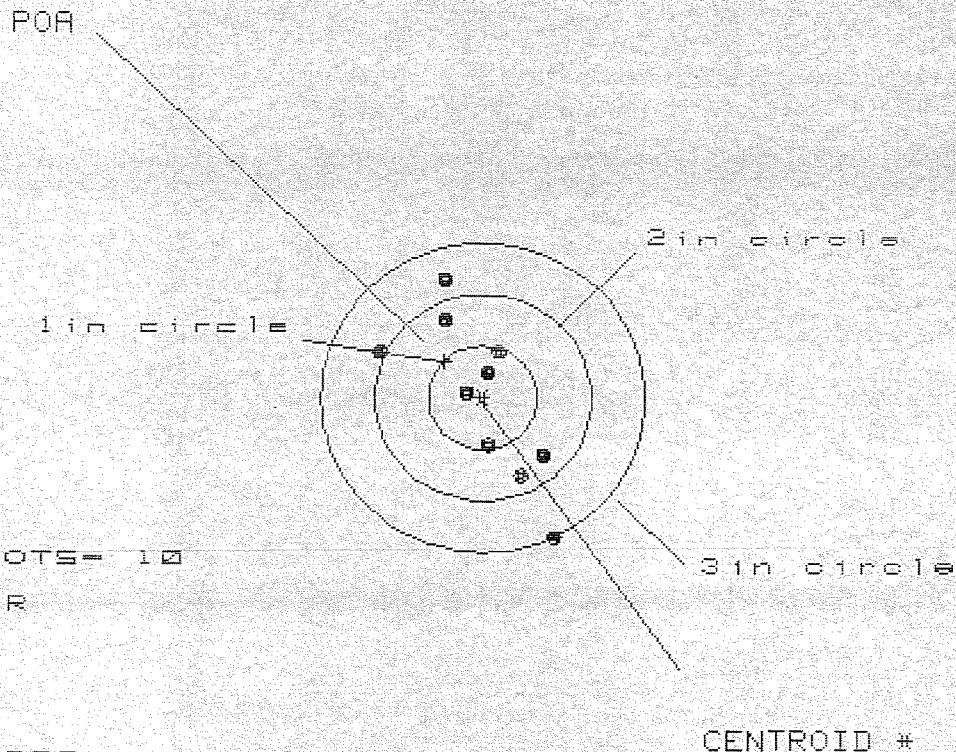
GS = 3.225

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.897	.758	.846
MINIMUM X	:	-1.290	-1.429	-1.341
MAXIMUM Y	:	1.149	.984	.800
MINIMUM Y	:	-1.478	-1.476	-.883
CENTROID X	:	.664	.803	.715
CENTROID Y	:	-.463	-.298	-.114
POA TO CENTROID in.	:	.809	.856	.724
MIN RADIUS	:	.013	.215	.255
MEAN RADIUS	:	1.106	.991	.896
MAX RADIUS	:	1.933	1.633	1.441
HORIZONTAL SPREAD	:	2.187	2.187	2.187
VERTICAL SPREAD	:	2.626	2.460	1.683
EXTREME SPREAD	:	3.225	2.955	2.426
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522310

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.597

VS= 2.556

GS= 2.716

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.615	.566	.537
MINIMUM X	:	-.982	-.914	-.943
MAXIMUM Y	:	1.172	1.018	.728
MINIMUM Y	:	-1.384	-.902	-.775
CENTROID X	:	.352	.284	.313
CENTROID Y	:	-.348	-.194	-.321
POA TO CENTROID in.	:	.495	.344	.449
MIN RADIUS	:	.135	.104	.088
MEAN RADIUS	:	.759	.652	.603
MAX RADIUS	:	1.515	1.045	1.028
HORIZONTAL SPREAD	:	1.597	1.480	1.480
VERTICAL SPREAD	:	2.556	1.920	1.503
EXTREME SPREAD	:	2.716	2.039	1.806
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

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: **RE00085580** Serial: C6522310 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:34:38 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **C CO SPT BN 1ST SWTG A** **C CO SPT BN 1ST SWTG A**

Address 1: **AHN ARMAMENT FACILITY** **AHN ARMAMENT FACILITY**

Address 2: **PO-Box** **PO-Box**

City: **FT BRAGG** **FT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search Refresh Close

neglatj 9/28/2004 2:50 PM CAPS NUM INS SCPL

start 2 3 4

Serial Number: **C6522310**

Model: **M24 SWS**



RE00085580

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522310.___0
FILE DATE AND TIME: 10/18/2004 06:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.013
The Average Y Centroid of the Five Target Set:	-0.026
The Average Point of Impact of the Five Target Set:	0.029
The Average Mean Radius of the Five Target Set:	0.598
The Distance from POA to Centroid Target #1:	0.097
The Distance from Centroid Target #2 to Centroid Target #1:	0.079
The Distance from Centroid Target #3 to Centroid Target #1:	0.110
The Distance from Centroid Target #4 to Centroid Target #1:	0.278
The Distance from Centroid Target #5 to Centroid Target #1:	0.195

SERIAL NUMBER: C6522310. __0

TARGET NUMBER: 1

FILE DATE: 10/18/2004

FILE TIME: 06:51

POINT#	X	Y
1:	0.731	0.718
2:	-0.241	0.794
3:	-0.864	0.284
4:	-0.411	0.220
5:	0.192	0.158
6:	0.265	-0.241
7:	-0.229	-0.147
8:	-0.287	-0.457
9:	-0.066	-0.824
10:	-0.039	-0.302

X CENTROID: -0.095

Y CENTROID: 0.020

POA TO CENTROID: 0.097

HORZ SPREAD: 1.595

VERT SPREAD: 1.618

GROUP SPREAD: 1.736

MIN RADIUS: 0.214

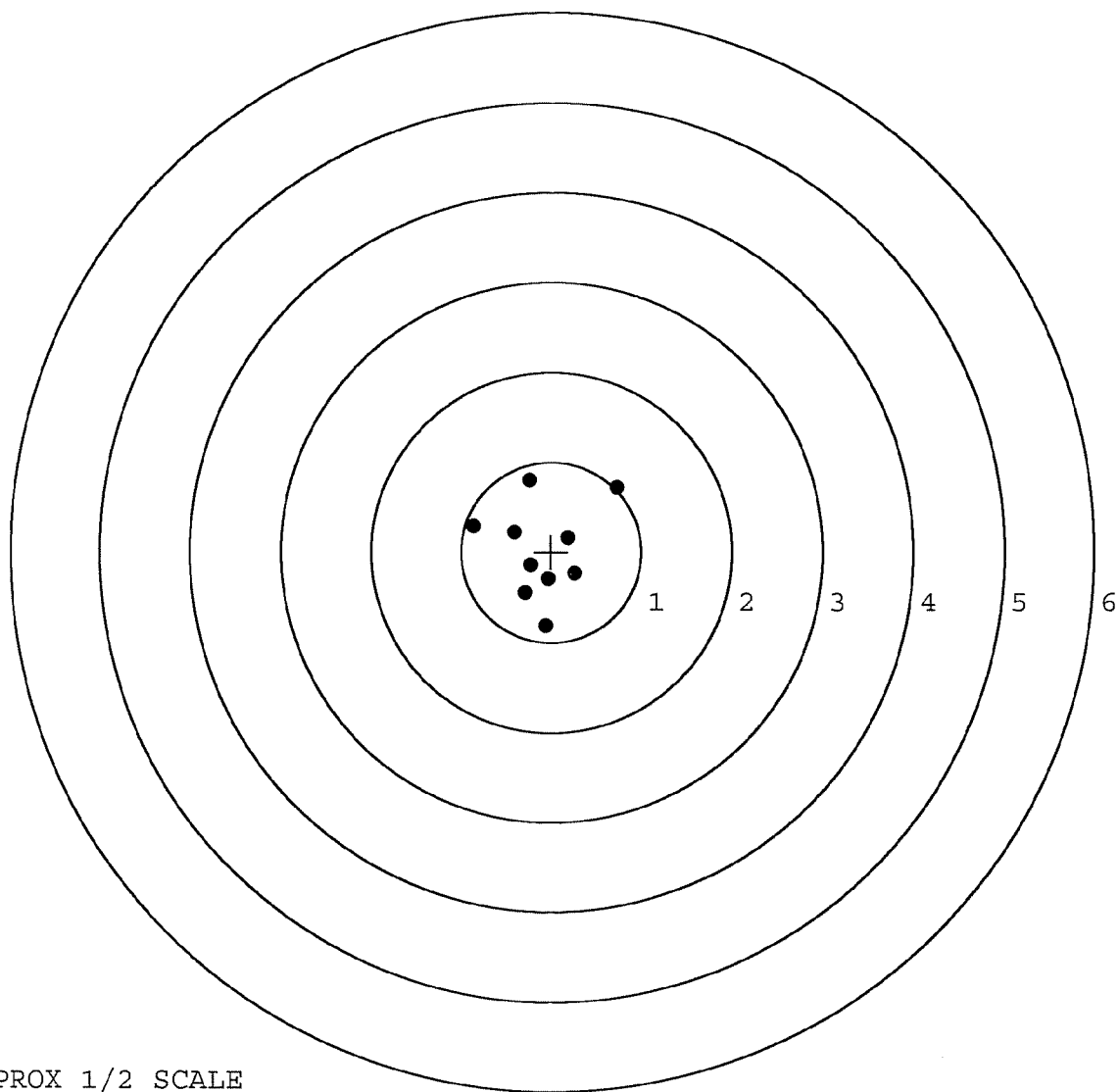
MAX RADIUS: 1.081

MEAN RADIUS: 0.572

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522310. __0

TARGET NUMBER: 2

FILE DATE: 10/18/2004

FILE TIME: 06:51

POINT#	X	Y
1:	0.547	-0.882
2:	-0.300	-0.613
3:	0.348	1.295
4:	0.327	0.284
5:	-0.570	-0.225
6:	-0.262	0.437
7:	-0.043	0.321
8:	-0.128	0.162
9:	0.011	-0.058
10:	-0.241	-0.053

X CENTROID: -0.031

Y CENTROID: 0.067

POA TO CENTROID: 0.074

HORZ SPREAD: 1.117

VERT SPREAD: 2.177

GROUP SPREAD: 2.186

MIN RADIUS: 0.132

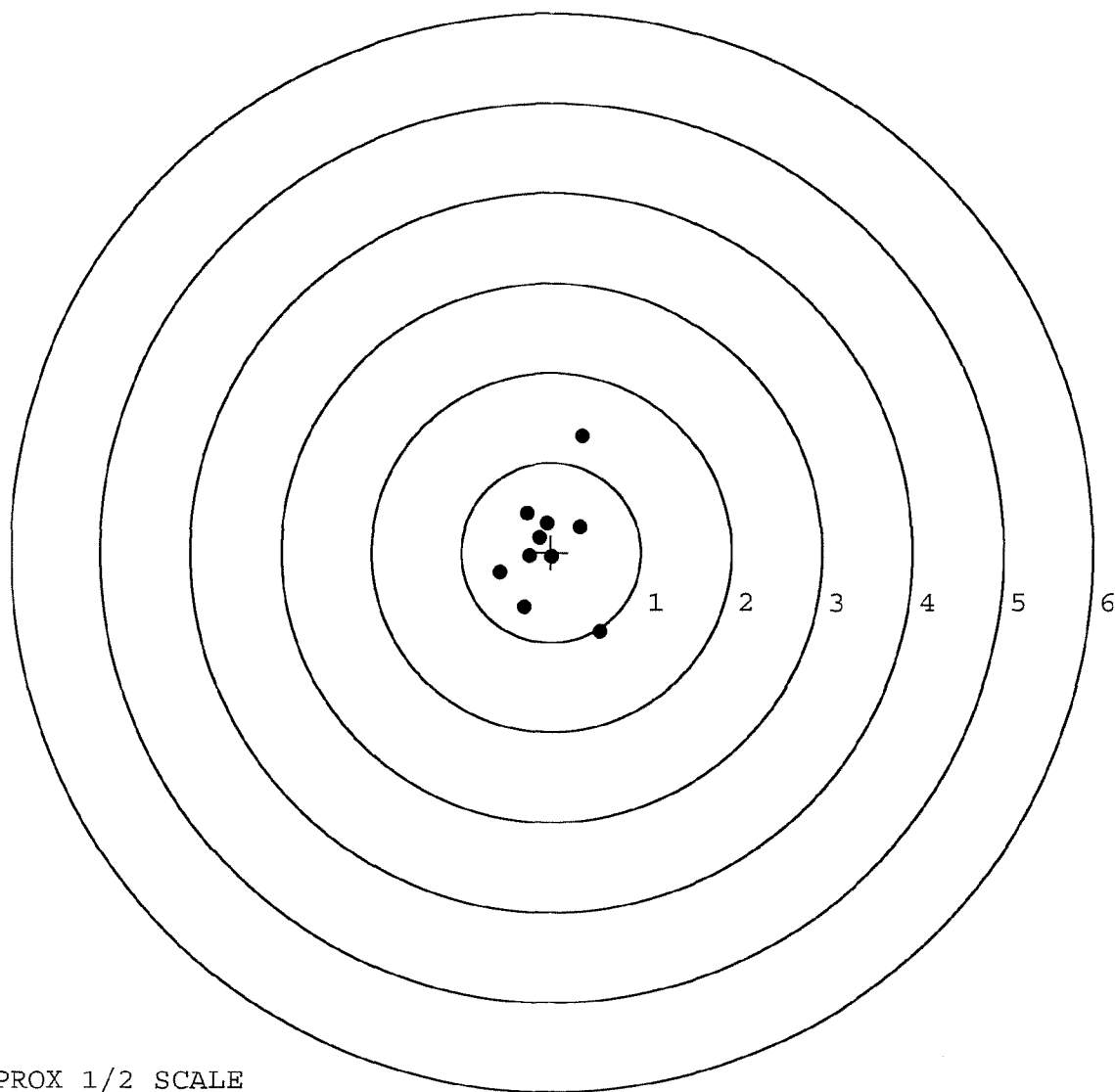
MAX RADIUS: 1.285

MEAN RADIUS: 0.536

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

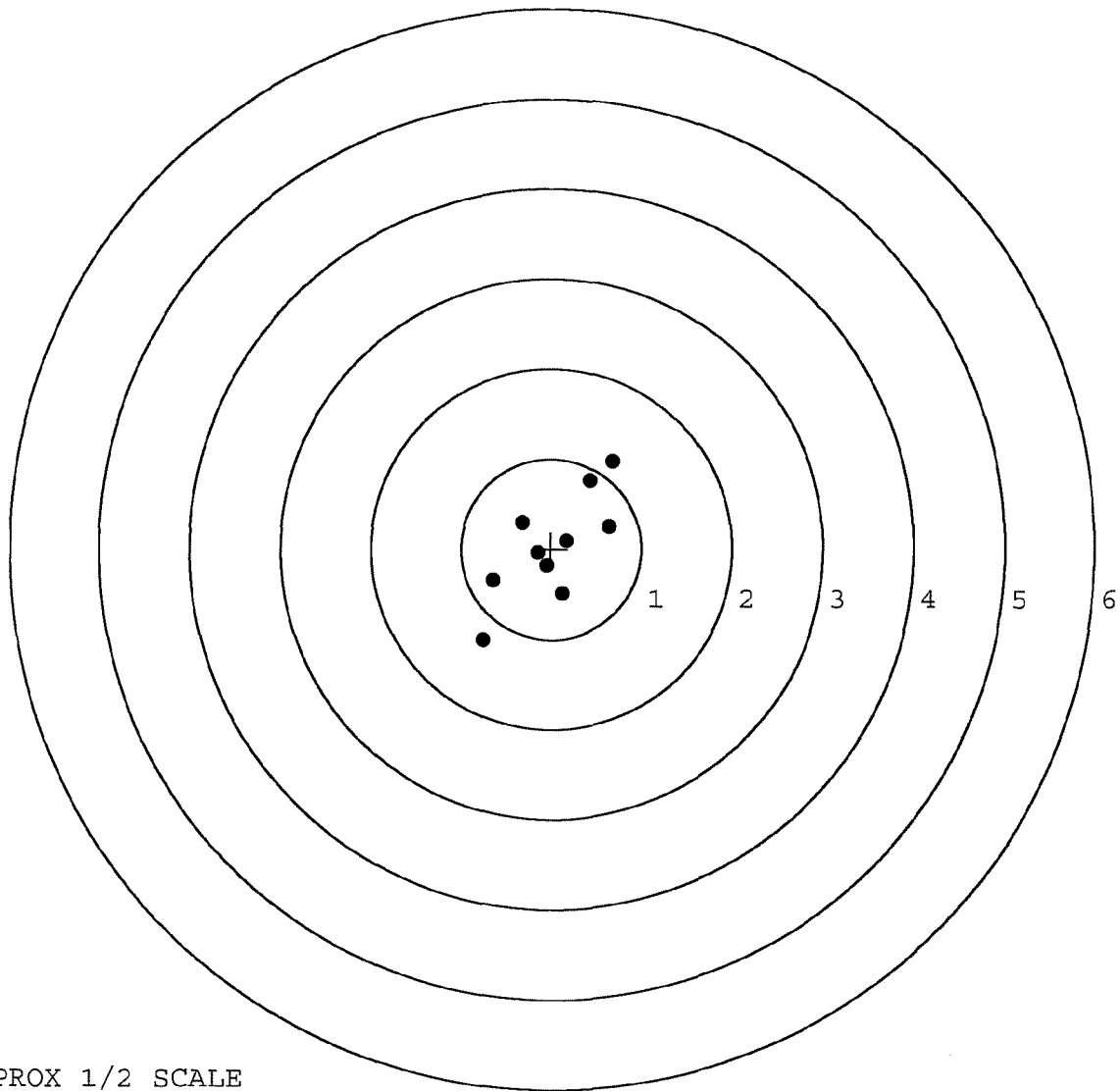


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522310. __0
TARGET NUMBER: 3
FILE DATE: 10/18/2004
FILE TIME: 06:51

X CENTROID: 0.015
Y CENTROID: 0.026
POA TO CENTROID: 0.030
HORZ SPREAD: 1.439
VERT SPREAD: 1.980
GROUP SPREAD: 2.448
MIN RADIUS: 0.166
MAX RADIUS: 1.288
MEAN RADIUS: 0.626
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.128	-0.500
2:	-0.645	-0.354
3:	-0.754	-1.008
4:	0.645	0.246
5:	0.440	0.760
6:	0.685	0.972
7:	-0.317	0.291
8:	-0.050	-0.189
9:	-0.149	-0.050
10:	0.169	0.087



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522310. __ 0

TARGET NUMBER: 4

FILE DATE: 10/18/2004

FILE TIME: 06:51

POINT#	X	Y
1:	1.109	-0.918
2:	0.785	-0.500
3:	-0.966	-0.517
4:	0.458	0.371
5:	0.338	-0.311
6:	0.100	-0.390
7:	-0.094	0.356
8:	0.007	0.009
9:	-0.534	0.135
10:	-0.265	-0.076

X CENTROID: 0.094

Y CENTROID: -0.184

POA TO CENTROID: 0.207

HORZ SPREAD: 2.075

VERT SPREAD: 1.289

GROUP SPREAD: 2.113

MIN RADIUS: 0.206

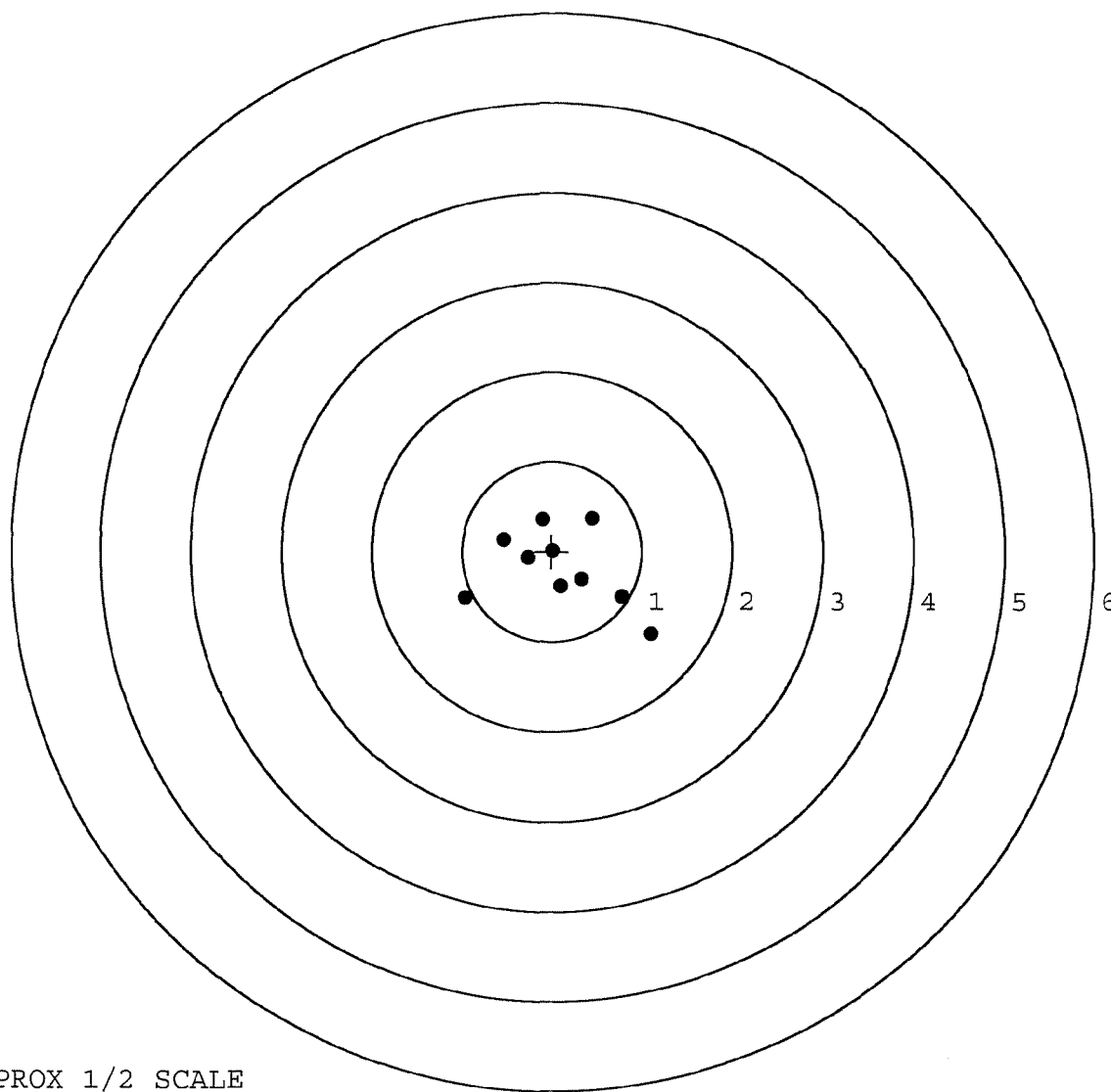
MAX RADIUS: 1.253

MEAN RADIUS: 0.613

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



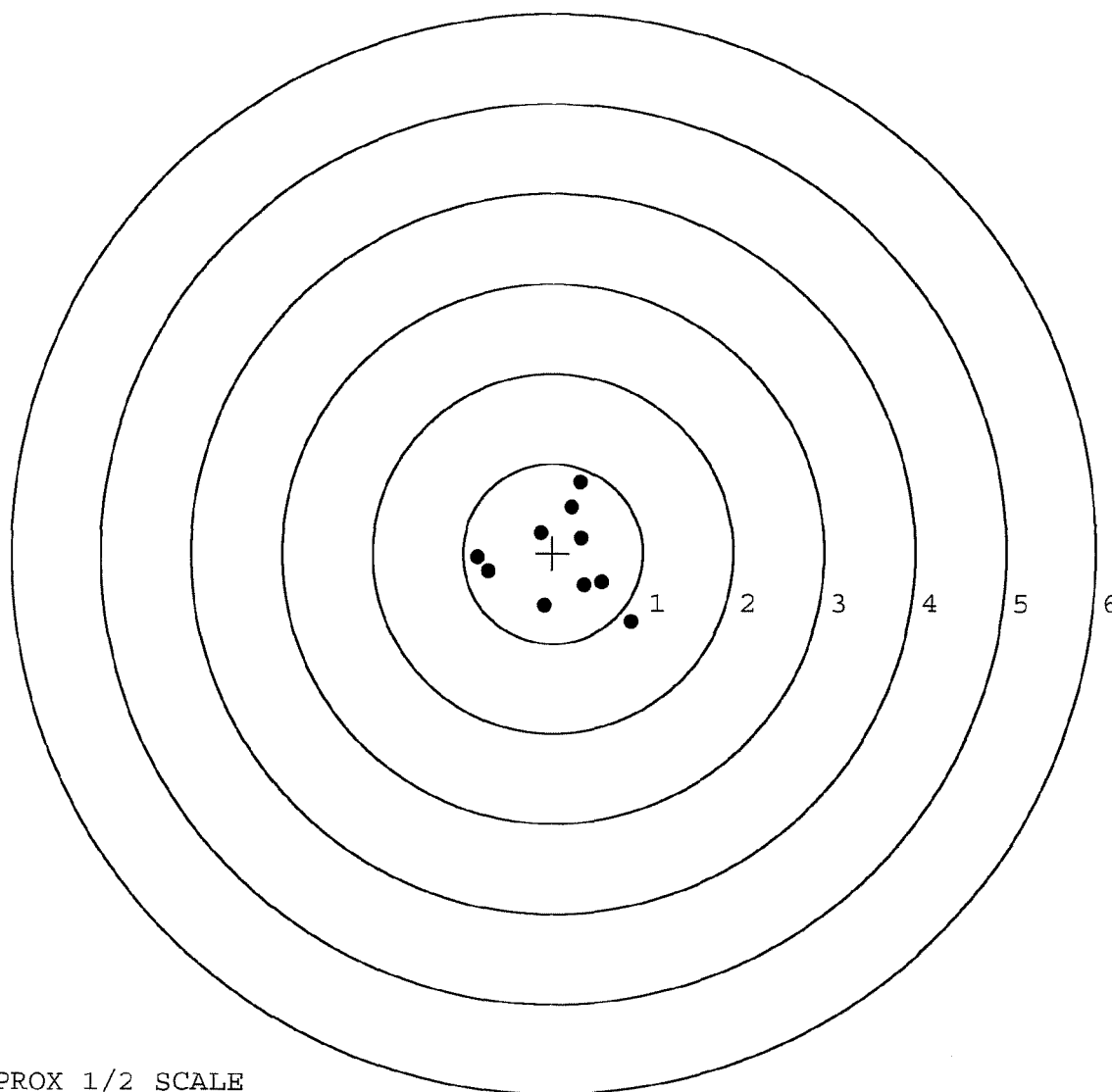
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522310. __0
TARGET NUMBER: 5
FILE DATE: 10/18/2004
FILE TIME: 06:51

X CENTROID: 0.084
Y CENTROID: -0.059
POA TO CENTROID: 0.102
HORZ SPREAD: 1.714
VERT SPREAD: 1.554
GROUP SPREAD: 1.855
MIN RADIUS: 0.325
MAX RADIUS: 1.057
MEAN RADIUS: 0.646

POINT#	X	Y
1:	0.875	-0.760
2:	0.552	-0.333
3:	0.357	-0.358
4:	-0.092	-0.581
5:	-0.720	-0.212
6:	-0.839	-0.050
7:	-0.135	0.226
8:	0.317	0.167
9:	0.215	0.520
10:	0.307	0.794

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

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

R & E NUMBER	85580		
SERIAL NUMBER	C6522310		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-7-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10-14-04	HP
625 A	FINAL ASSEMBLY	10-16-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-18-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-2-04	AAA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington[®]

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

MODEL 700TM W24

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

SERIAL NO.
C6522310

ORDER NO.
5716

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

01



UPC

