

C6498730

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith
No. 2-152-51

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: **RE00122080** Serial: C6498730 Model M24 SWS Center Fire Repairman: _____
 Caliber: 7.62 NATO Produced: 06/19/1990 Status: **New 12/16/2006 10:43:30 AM**

Verify Repair **High Priority**

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **TRANSPORTATION DIVISION DFEL** **TRANSPORTATION DIVISION DFEL**
 Address 1: **6759 MITCHELL AVENUE** **6759 MITCHELL AVENUE**
 Address 2: **BLDG 1836** PO Box: _____ **BLDG 1836** PO Box: _____
 City: **FORT BENNING** **FORT BENNING**
 State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																		
Contact Information Phone: NA Fax: _____ Email: _____ Comments: _____	Received Condition Fair Condition Notes: _____ CSR Notes: _____	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A017	Scope Base	1	A026	Scope	1	A045	Bi Pod	1	A057	Fit and Rear Sgt Base	1
Code	Desc	Qty																				
A007	With Stud	3																				
A017	Scope Base	1																				
A026	Scope	1																				
A045	Bi Pod	1																				
A057	Fit and Rear Sgt Base	1																				

Repair Search Refresh Close

nagletj 12/18/2006 11:18 AM CAPS NUM INS SCRL

start 2 Micros... 4 Micros... 5 Intern... Arms Servi... Misc PDF 11:18 AM

Serial Number: **C6498730**
 Model: **M24 SWS**

RE00122080

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348730.___0
FILE DATE AND TIME: 02/28/2007 23:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

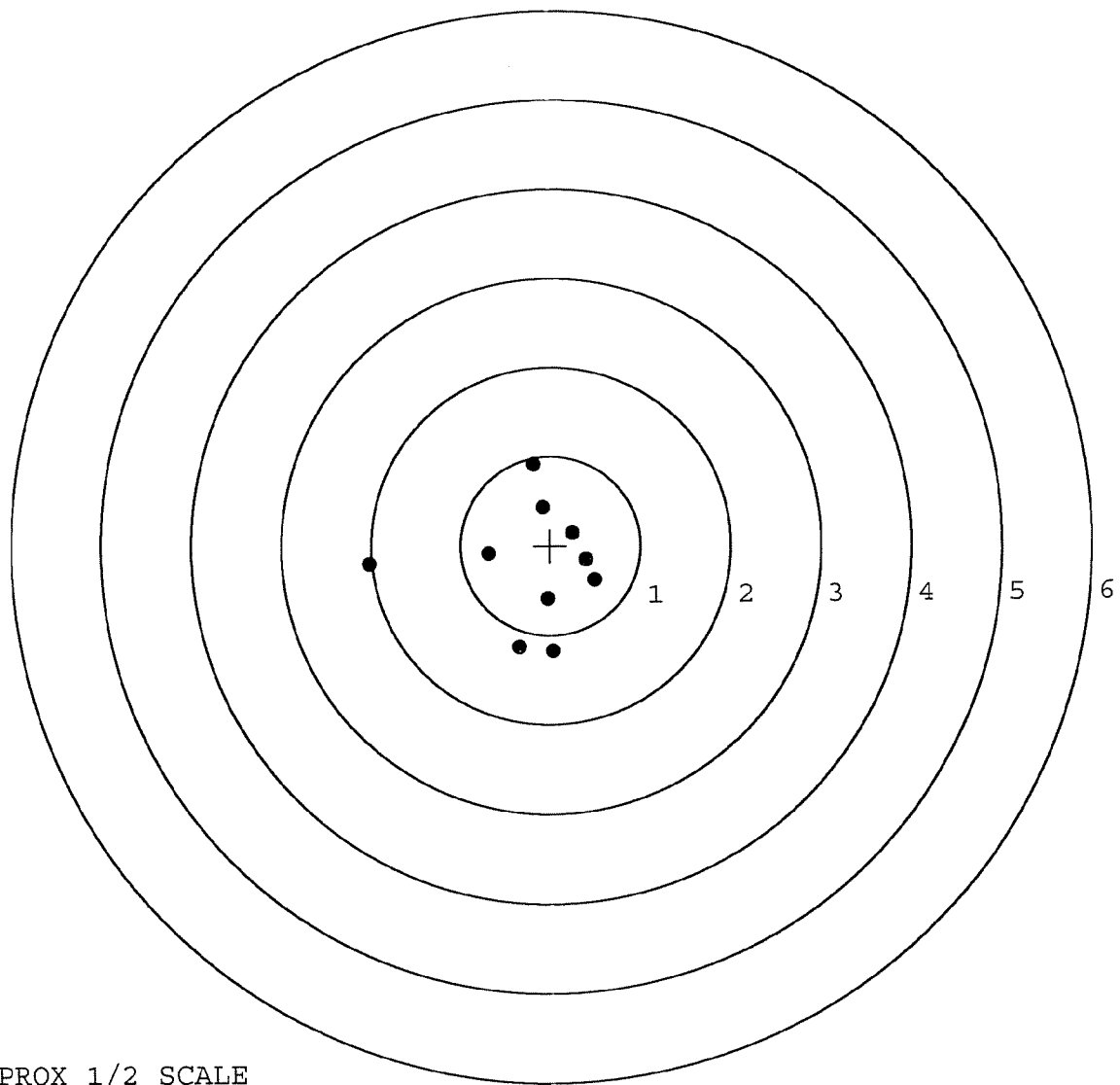
The Average X Centroid of the Five Target Set:	-0.002
The Average Y Centroid of the Five Target Set:	0.026
The Average Point of Impact of the Five Target Set:	0.026
The Average Mean Radius of the Five Target Set:	0.623
The Distance from POA to Centroid Target #1:	0.315
The Distance from Centroid Target #2 to Centroid Target #1:	0.593
The Distance from Centroid Target #3 to Centroid Target #1:	0.349
The Distance from Centroid Target #4 to Centroid Target #1:	0.340
The Distance from Centroid Target #5 to Centroid Target #1:	0.412

BARBER - M24 0006618

SERIAL NUMBER: C6348730. __0
 TARGET NUMBER: 1
 FILE DATE: 02/28/2007
 FILE TIME: 23:12

POINT#	X	Y
1:	-0.183	0.910
2:	-0.083	0.433
3:	0.247	0.143
4:	0.399	-0.161
5:	0.492	-0.391
6:	-0.032	-0.594
7:	-0.687	-0.092
8:	-2.021	-0.197
9:	-0.348	-1.138
10:	0.031	-1.185

X CENTROID: -0.219
 Y CENTROID: -0.227
 POA TO CENTROID: 0.315
 HORZ SPREAD: 2.513
 VERT SPREAD: 2.095
 GROUP SPREAD: 2.520
 MIN RADIUS: 0.411
 MAX RADIUS: 1.803
 MEAN RADIUS: 0.837
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0006619

SERIAL NUMBER: C6348730. __0

TARGET NUMBER: 2

FILE DATE: 02/28/2007

FILE TIME: 23:12

POINT#	X	Y
1:	-0.287	-0.303
2:	-0.657	1.039
3:	-0.405	0.710
4:	0.015	0.922
5:	-0.046	0.665
6:	0.099	0.306
7:	0.588	0.626
8:	0.707	0.130
9:	0.054	-0.485
10:	0.404	-0.586

X CENTROID: 0.047

Y CENTROID: 0.302

POA TO CENTROID: 0.306

HORZ SPREAD: 1.364

VERT SPREAD: 1.625

GROUP SPREAD: 1.941

MIN RADIUS: 0.052

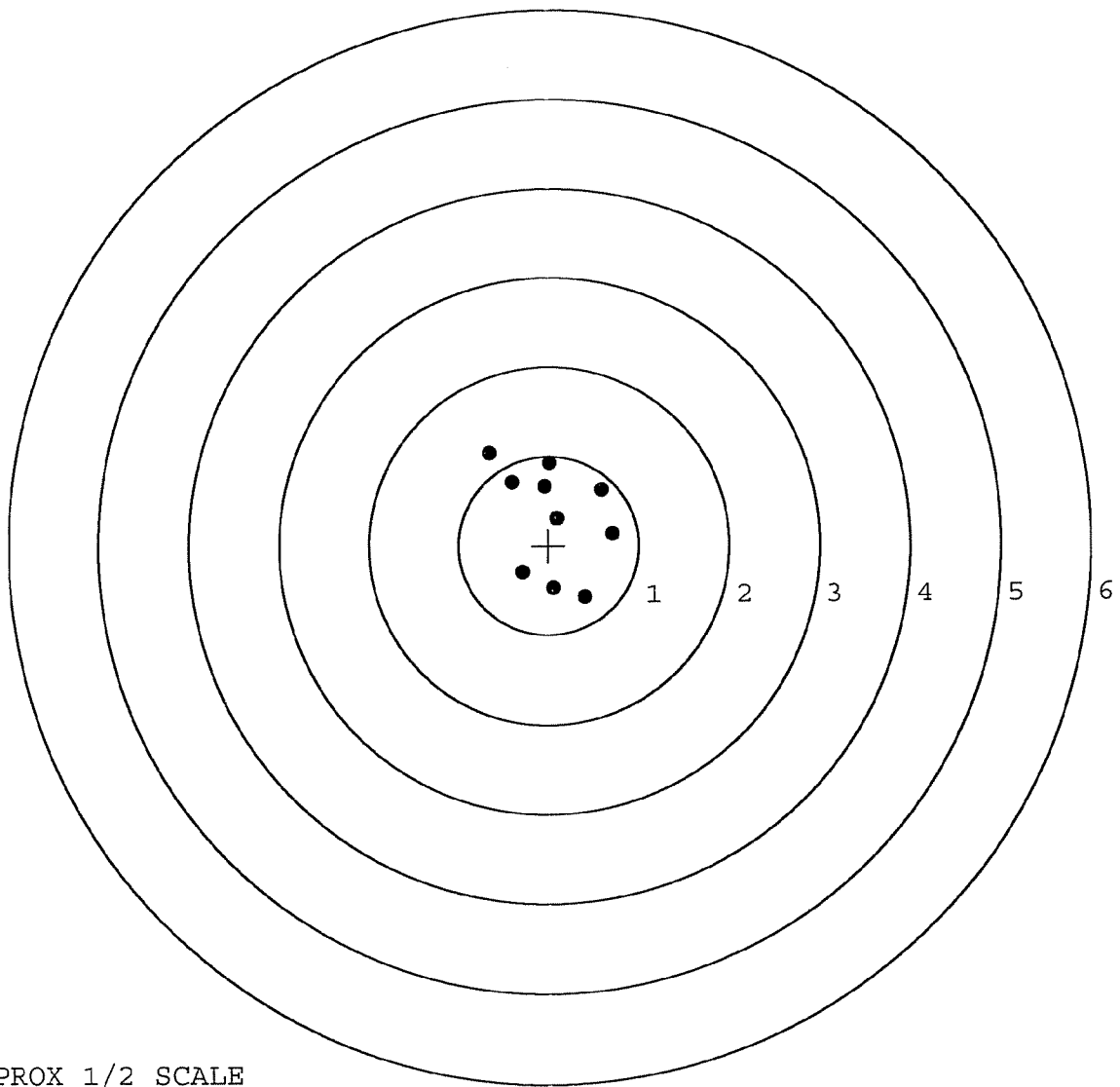
MAX RADIUS: 1.019

MEAN RADIUS: 0.642

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

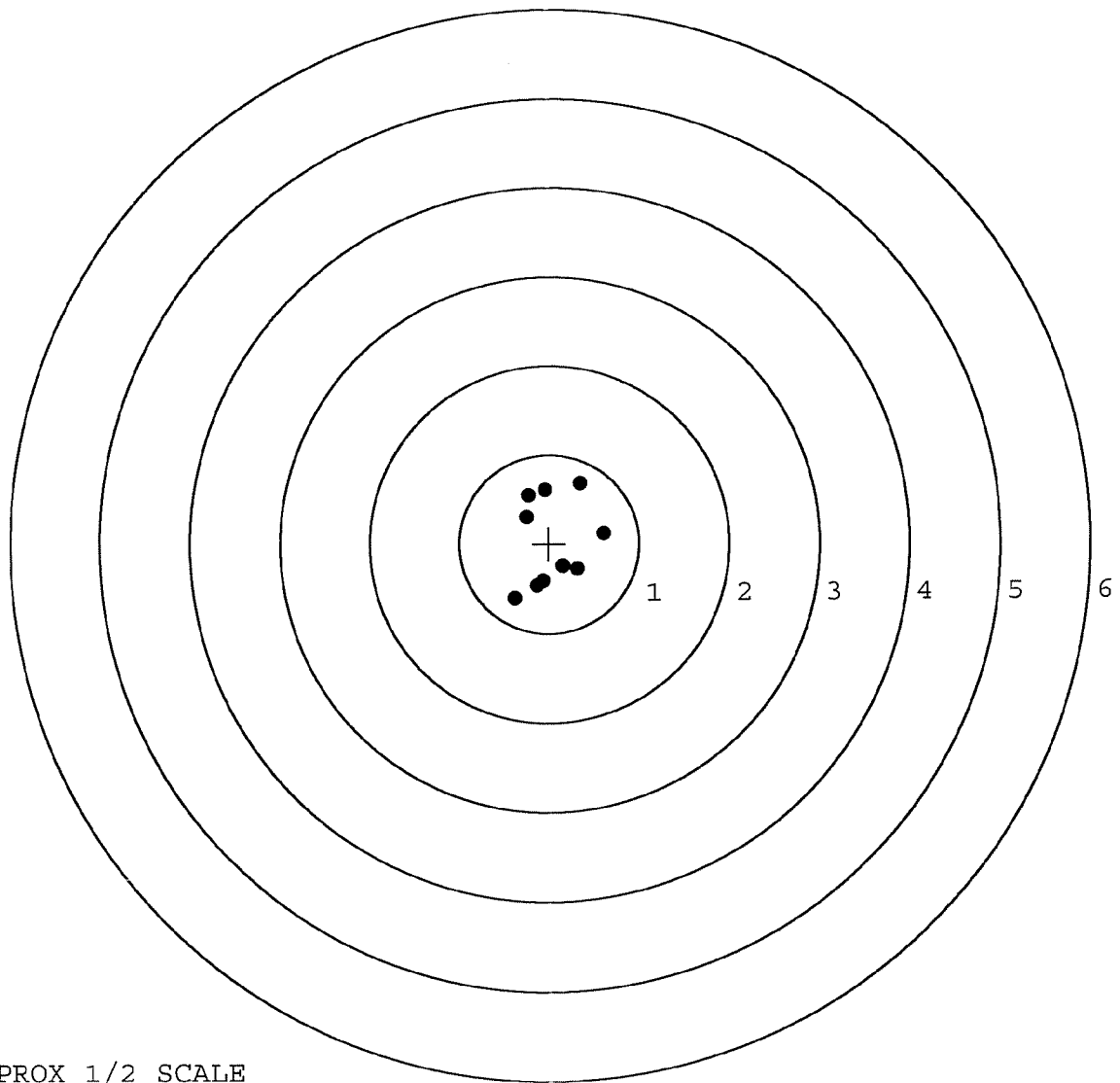


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348730. __0
 TARGET NUMBER: 3
 FILE DATE: 02/28/2007
 FILE TIME: 23:12

POINT#	X	Y
1:	-0.253	0.297
2:	-0.231	0.542
3:	-0.045	0.606
4:	0.352	0.676
5:	0.613	0.109
6:	0.319	-0.291
7:	0.156	-0.256
8:	-0.071	-0.425
9:	-0.135	-0.478
10:	-0.386	-0.619

X CENTROID: 0.032
 Y CENTROID: 0.016
 POA TO CENTROID: 0.036
 HORZ SPREAD: 0.999
 VERT SPREAD: 1.295
 GROUP SPREAD: 1.491
 MIN RADIUS: 0.299
 MAX RADIUS: 0.760
 MEAN RADIUS: 0.536
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0006621

SERIAL NUMBER: C6348730. __0

TARGET NUMBER: 4

FILE DATE: 02/28/2007

FILE TIME: 23:12

POINT#	X	Y
1:	-0.247	1.047
2:	-0.234	0.650
3:	-0.232	0.449
4:	-0.336	0.030
5:	-0.651	-0.487
6:	0.057	-0.387
7:	0.302	-0.367
8:	0.546	-0.594
9:	0.688	-0.391
10:	0.638	-0.169

X CENTROID: 0.053

Y CENTROID: -0.022

POA TO CENTROID: 0.057

HORZ SPREAD: 1.339

VERT SPREAD: 1.641

GROUP SPREAD: 1.823

MIN RADIUS: 0.365

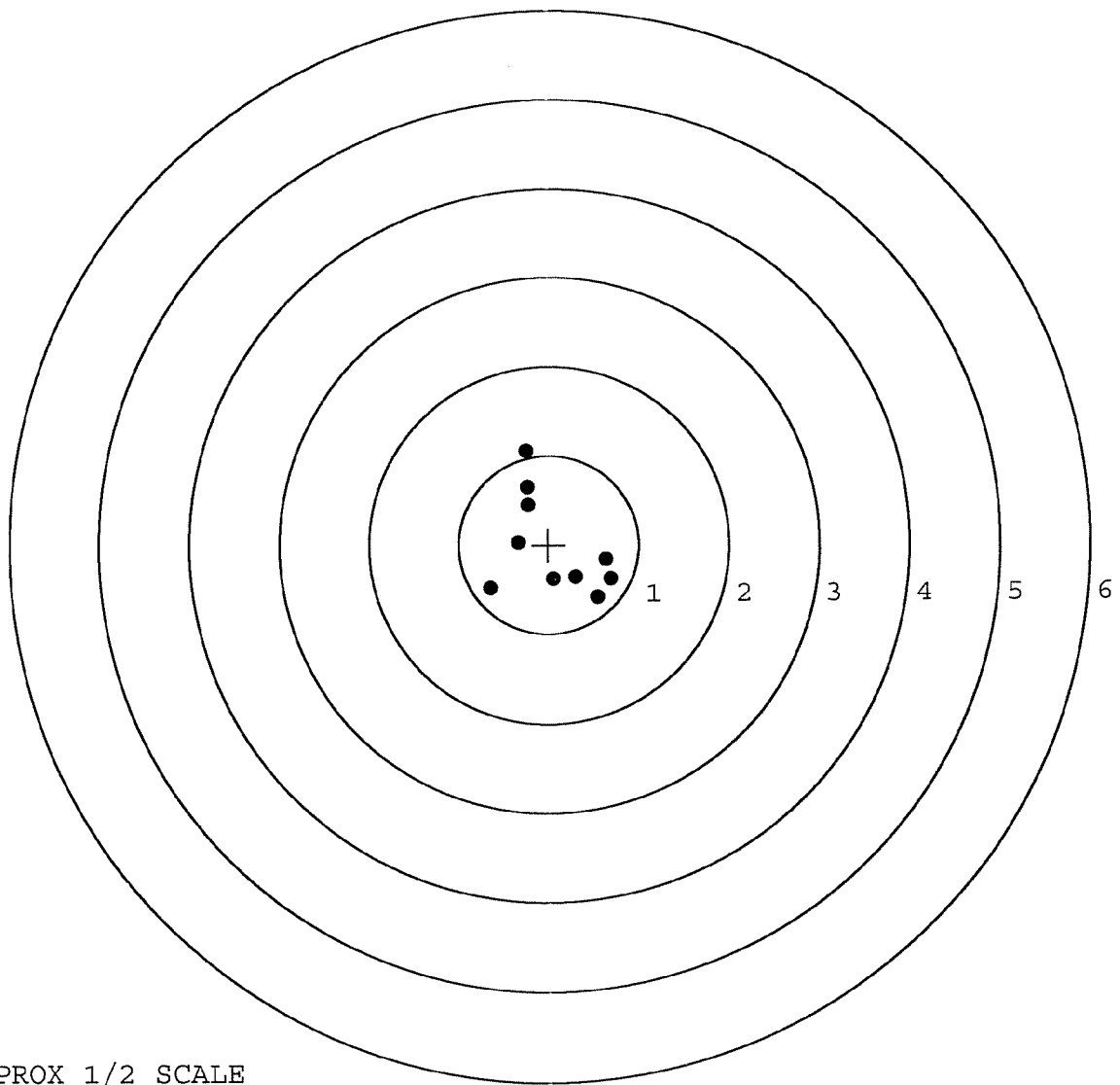
MAX RADIUS: 1.110

MEAN RADIUS: 0.651

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



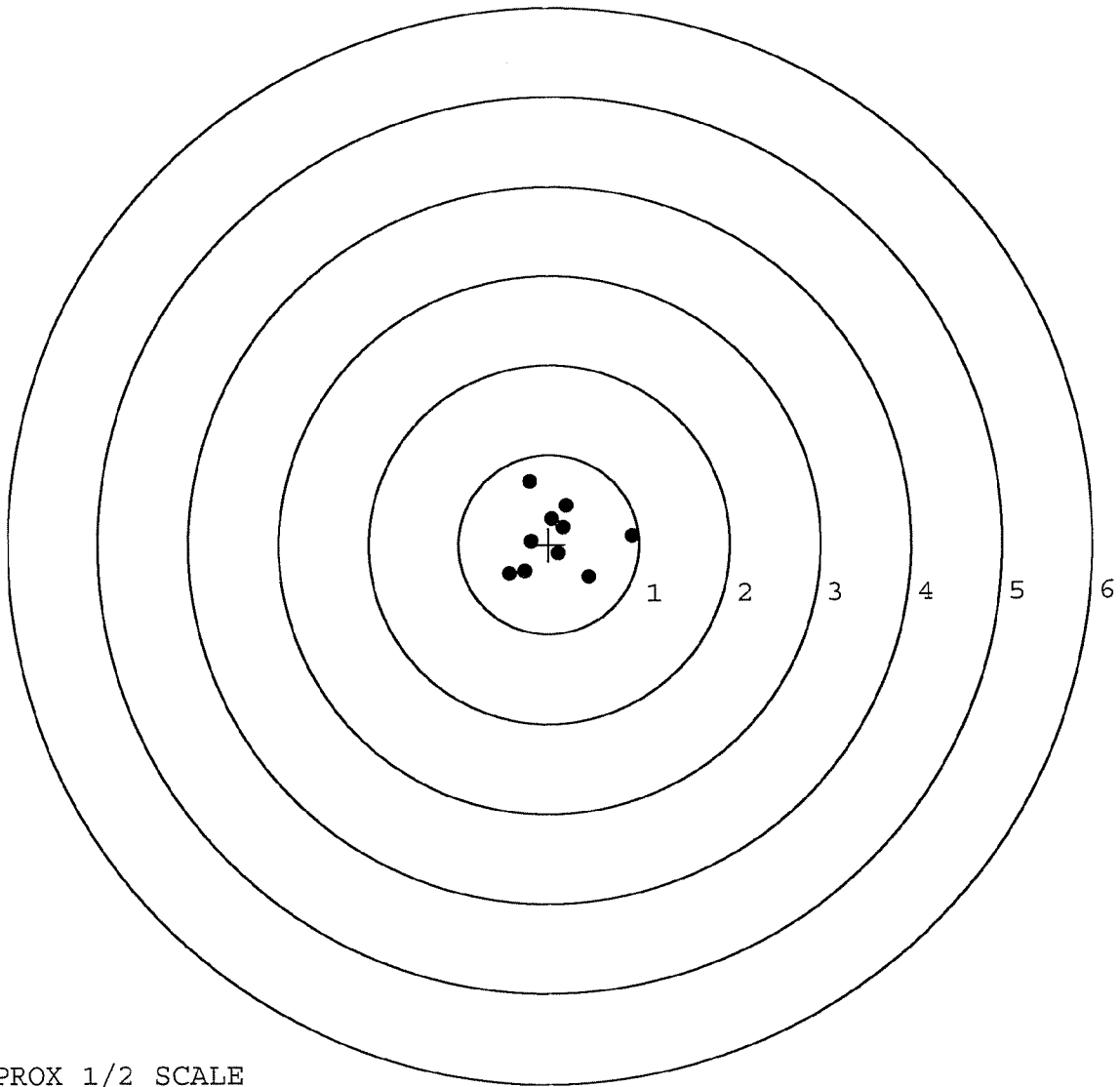
TARGET APPROX 1/2 SCALE

BARBER - M24 0006622

SERIAL NUMBER: C6348730. __0
 TARGET NUMBER: 5
 FILE DATE: 02/28/2007
 FILE TIME: 23:12

POINT#	X	Y
1:	-0.438	-0.333
2:	-0.268	-0.303
3:	0.440	-0.373
4:	0.925	0.089
5:	-0.211	0.704
6:	0.198	0.430
7:	0.037	0.286
8:	0.160	0.189
9:	-0.199	0.035
10:	0.112	-0.104

X CENTROID: 0.076
 Y CENTROID: 0.062
 POA TO CENTROID: 0.098
 HORZ SPREAD: 1.363
 VERT SPREAD: 1.077
 GROUP SPREAD: 1.427
 MIN RADIUS: 0.152
 MAX RADIUS: 0.850
 MEAN RADIUS: 0.448
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

5055

R & E NUMBER	122080		
SERIAL NUMBER	C6348730		
LOG-IN DATE	12-16-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-11-07	RTZ
505	RE-BARREL	2-16-07	RTZ
560	ASSEMBLE	2-16-07	TRW
600	PROOF	2-16-07	FM
605	CHECK HEADSPACE	INSPECTED	2-16-07 FM
610	DIS-ASSEMBLE GUN	FEB 20 2007	2-16-07 RTZ
612	MAGNAFLUX	OPERATOR <u>CPD</u>	2-20-07 APD
510	DRILL AND TAP	N/A	2-19-07 TRW
615	ROLLMARK CALIBER		2-19-07 CW
618	ROTO-BLAST		2-20-07 LB
620	APPLY COATINGS		2-26-07 WJ
625	FINAL ASSEMBLY		2-27-07 RTZ
640	FUNCTION TEST AND	PASS FAIL	2-28-07 TRW
650	TARGET	PASS FAIL	2-28-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	2-28-07 FM
670	FINAL INSPECTION		3-1-07 RTZ
	A) HEADSPACE	PASS FAIL	3-1-07 RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.78 2.72 2.72 2.74 2.74 3-1-07 BA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.5 3-1-07 BA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5 3-1-07 BA
	I) FIRING PIN INDENT	.020	1.023 1.024 1.024 3-1-07 BA
690	PACK		3-1-07 BA

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

DUPONT

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

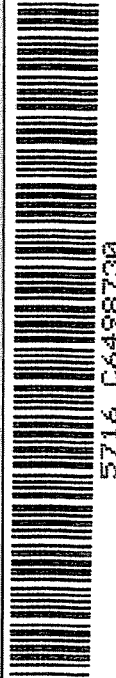
MODEL 700TM M24

SERIAL NO.
C6498730

ORDER NO.
5716

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

Ø1



5716 C6498730

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498730

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes	5-17-90		FB
618	Polish Barrel <i>AB</i>	5-17-90		WCB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/1/90	AL

BARBER - M24 0006626							DATE	INIT
op. #	OP. NAME	READINGS						
625 cont.	F) Safety On Force	4	4	4			6/4/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			6/4/90	WB
	H) Trigger Pull Test & Retainability						6/1/90	JL
	I) Firing Pin Indent	.0245	.024	.024			6/4/90	WB
	J) Assemble Stock						6/4/90	RW
	K) Assemble Swivel Studs						6/15/90	JL
	L) Attach Front and Rear Sight Assemblies						6/4/90	RW
	M) Iron Sight Alignment						6/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/4/90	RW
	O) Attach Scope to Rifle						6/4/90	WB
	P) Detach & Attach Scope 20 Times						6/4/90	WB
640	Gallery Target & Test						6-5-90	DH
	A) Time						6-5-90	DH
	B) Malfunctions						6-5-90	DH
	C) Pierced Primers						6-5-90	DH
	D) Optical Clarity of Scope						6-5-90	DH
645	Inspect for Live Ammo						6-5-90	DH
655	Final Inspection							
	A) Headspace						6/15/90	JL
	B) Trigger Pull	2.68	2.80	2.50	2.54	2.39	6/14/90	JL
	C) Function						6/15/90	JL
660	Pack						6-20-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06498730

DATE 6/1/90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.29	2.25	2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.36	2.30	2.80	
PULL #3	2.31	2.25	2.31	2.50	
PULL #4	2.26	2.29	2.35	2.54	
PULL #5	2.28	2.28	2.27	2.39	
TOTAL	11.46	11.47	11.48		
AVG.	2.292	2.294	2.296		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.27		
PULL #2	3.32	3.20		
PULL #3	3.28	3.21		
PULL #4	3.33	3.21		
PULL #5	3.23	3.26		
TOTAL	16.48	16.15		
AVG.	3.296	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.04		4.24
PULL #2	4.36	4.24		4.18
PULL #3	4.35	4.18		4.17
PULL #4	4.26	4.23		4.21
PULL #5	4.27	4.21		4.20
TOTAL	21.65	20.90		21.00
AVG.	4.33	4.18		4.2

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498730
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.61216
1 TO	2	.0995389
1 TO	3	.445719
1 TO	4	.0906091
1 TO	5	.147828

+ 5 <----POB
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5518
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0686
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .556048

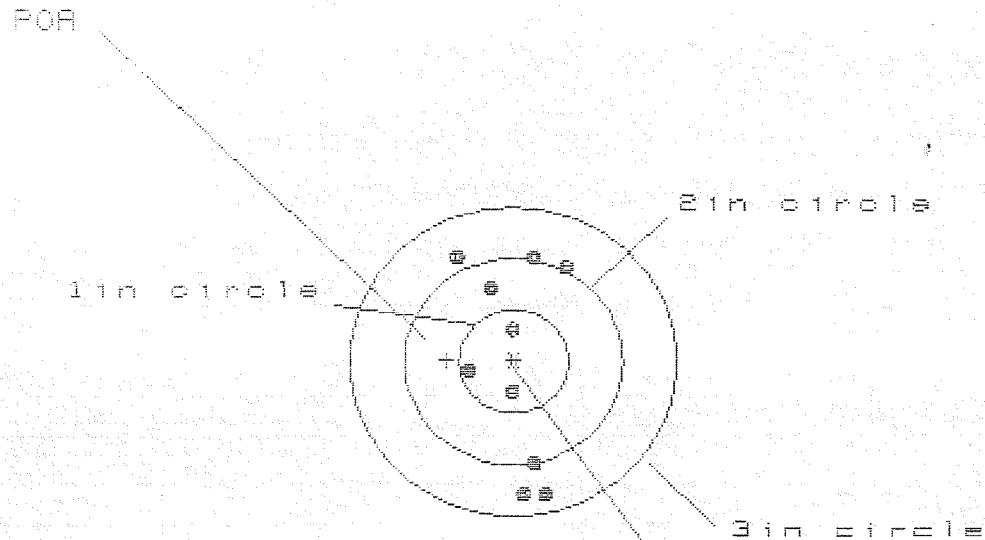
THE AMR FOR THIS RIFLE IS: .8996

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498730

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 10

HS= 1.035

VS= 2.324

GS= 2.440

PATTERN #

1

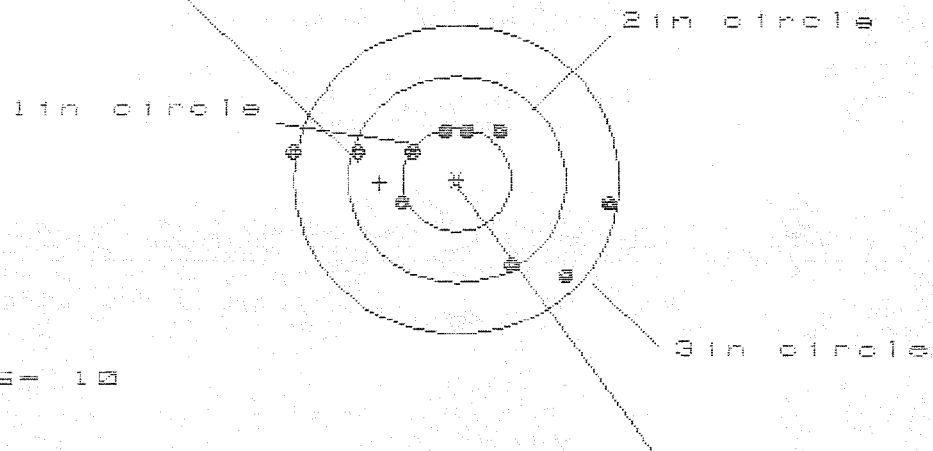
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.494	.526	.544
MINIMUM X	-.541	-.509	-.491
MAXIMUM Y	1.045	.903	.726
MINIMUM Y	-1.279	-1.414	-1.336
CENTROID X	.612	.580	.563
CENTROID Y	-.014	.128	.305
POA TO CENTROID in.	.613	.594	.640
MIN RADIUS	.313	.170	.025
MEAN RADIUS	.867	.795	.679
MAX RADIUS	1.312	1.421	1.352
HORIZONTAL SPREAD	1.035	1.035	1.035
VERTICAL SPREAD	2.324	2.317	2.062
EXTREME SPREAD	2.440	2.375	2.149
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498730

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.915

VS= 1.495

GS= 2.953

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.418

1.251

1.033

MINIMUM X

-1.497

-1.106

-.949

MAXIMUM Y

.525

.555

.532

MINIMUM Y

-.970

-.940

-.963

CENTROID X

.704

.871

.714

CENTROID Y

.024

-.006

.017

POA TO CENTROID in.

.705

.871

.714

MIN RADIUS

.486

.559

.498

MEAN RADIUS

.906

.851

.766

MAX RADIUS

1.521

1.285

1.412

HORIZONTAL SPREAD

2.915

2.357

1.982

VERTICAL SPREAD

1.495

1.495

1.495

EXTREME SPREAD

2.953

2.398

2.320

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498730

CENTERFIRE PATTERNS # 3

POB

1in circle

2in circle

3in circle

CENTROID %

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.061

VS= 2.547

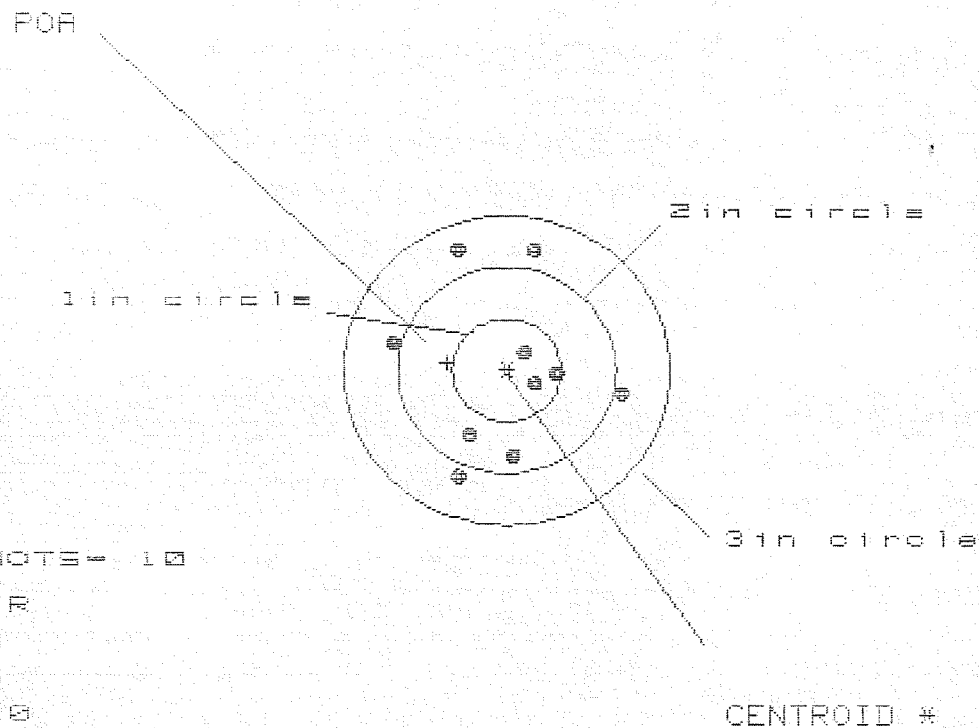
GS= 2.698

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.061	1.009	.899
MINIMUM X	:	-1.000	-.882	-.749
MAXIMUM Y	:	1.154	1.273	1.421
MINIMUM Y	:	-1.393	-1.274	-1.126
CENTROID X	:	.368	.250	.360
CENTROID Y	:	-.387	-.506	-.654
POB TO CENTROID in.	:	.534	.565	.747
MIN RADIUS	:	.378	.402	.576
MEAN RADIUS	:	1.013	.946	.871
MAX RADIUS	:	1.513	1.474	1.421
HORIZONTAL SPREAD	:	2.061	1.891	1.648
VERTICAL SPREAD	:	2.547	2.547	2.547
EXTREME SPREAD	:	2.698	2.644	2.547
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Jun 1980

FILE:/PATTERNING/CENTERFIRE_PATT/CS49B730

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.099

VS= 2.185

GS= 2.283

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.099	1.048	1.073
MINIMUM X	-.999	-1.050	-1.025
MAXIMUM Y	1.168	1.296	.552
MINIMUM Y	-1.017	-.889	-.727
CENTROID X	.545	.596	.571
CENTROID Y	-.075	-.203	-.365
FOR TO CENTROID in.	.550	.630	.678
MIN RADIUS	.218	.205	.298
MEAN RADIUS	.811	.744	.670
MAX RADIUS	1.242	1.311	1.165
HORIZONTAL SPREAD	2.098	2.098	2.098
VERTICAL SPREAD	2.185	2.185	1.279
EXTREME SPREAD	2.283	2.283	2.157
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498730

CENTERFIRE PATTERNS # 5

POB

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.993

VS = 2.462

GS = 2.727

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.792	.658	.638
MINIMUM X	-1.201	-.818	-.838
MAXIMUM Y	1.127	1.172	1.020
MINIMUM Y	-1.335	-1.210	-1.054
CENTROID X	.530	.664	.634
CENTROID Y	.109	-.016	.136
POB TO CENTROID in.	.542	.664	.697
MIN RADIUS	.241	.200	.323
MEAN RADIUS	.901	.793	.736
MAX RADIUS	1.647	1.221	1.164
HORIZONTAL SPREAD	1.993	1.476	1.476
VERTICAL SPREAD	2.462	2.382	2.074
EXTREME SPREAD	2.727	2.422	2.206
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	