

C6349008

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System
BARBER - M24 0105595

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00070763** Serial: C6399008 Model 700 Center Fire Caliber: 7 Repairman: _____
 Verify Repair 62 NATO M/24 SWS Status: Closed 9/30/2003 7:47:57 AM

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: C CO SPT BN C CO SPT BN
 Address 1: SWC SWC
 Address 2: _____ PO Box: _____ PO Box: _____
 City: FORT BRAGG FORT 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

Good
 Condition Notes: _____
 CSR Notes: _____

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
C000	FRT AND REAR BASI	1

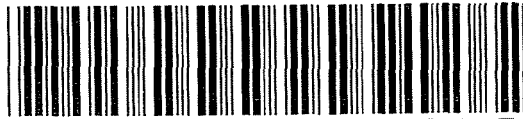
Repair Search Refresh Close

negletj 9/30/2003 8:44 AM CAPS NUM INS SCRL

start 3 Micro 4 Micro 2 Micro Search to Arms Ser Part Ser 8:44 AM

Serial Number: **C6349008**

Model: **700**



RE00070763

SERIAL # C6349008 INSPECTED BY: RFL

DATE REC'D: 9-30-03 DATE RET'D: 10-30-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349008.___0

FILE DATE AND TIME: 10/30/2003 09:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

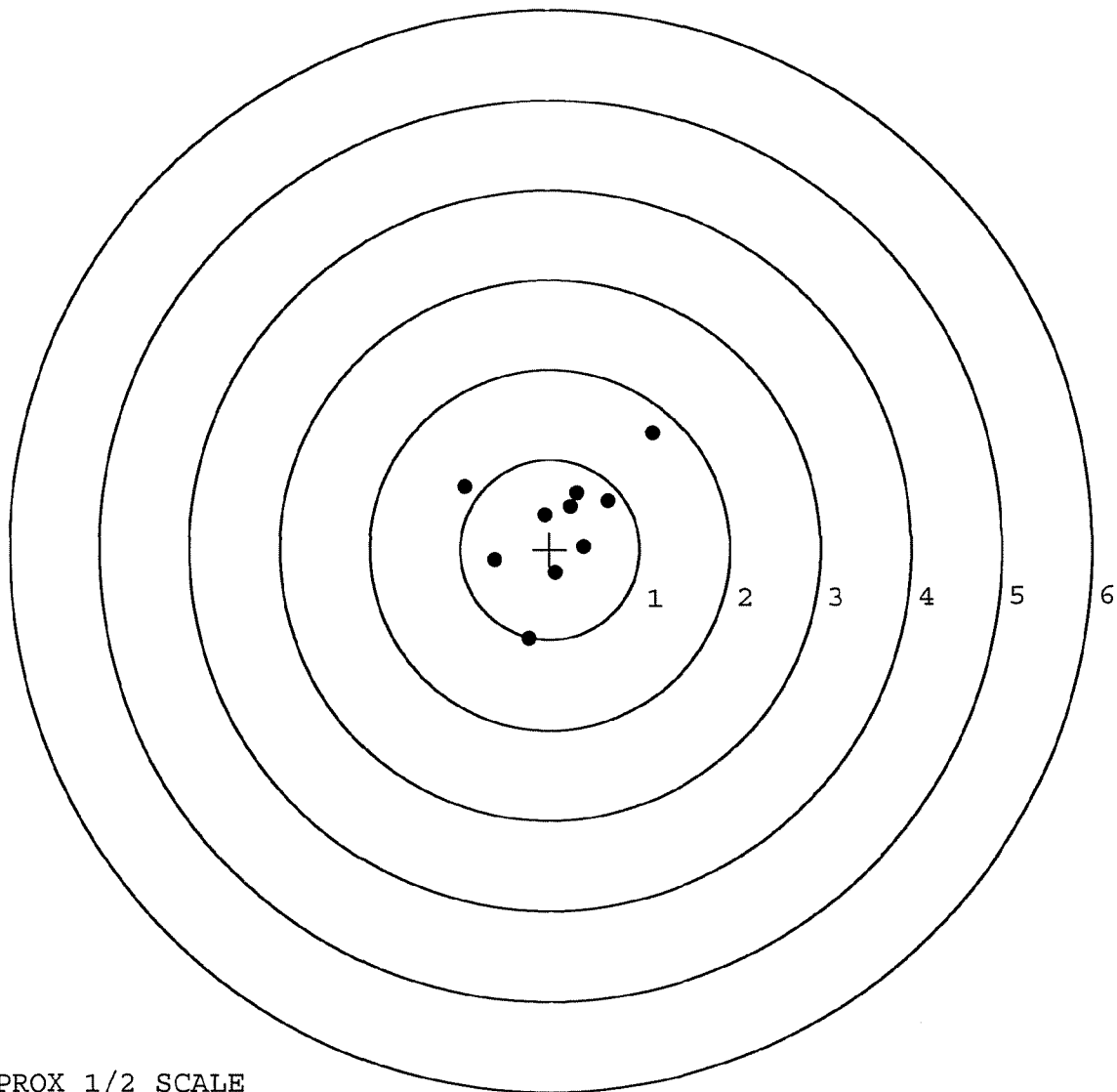
The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	0.015
The Average Point of Impact of the Five Target Set:	0.016
The Average Mean Radius of the Five Target Set:	0.792
The Distance from POA to Centroid Target #1:	0.284
The Distance from Centroid Target #2 to Centroid Target #1:	0.457
The Distance from Centroid Target #3 to Centroid Target #1:	0.576
The Distance from Centroid Target #4 to Centroid Target #1:	0.010
The Distance from Centroid Target #5 to Centroid Target #1:	0.322

BARBER - M24 0105559

SERIAL NUMBER: C6349008. __0
 TARGET NUMBER: 1
 FILE DATE: 10/30/2003
 FILE TIME: 09:20

POINT#	X	Y
1:	1.149	1.287
2:	0.310	0.627
3:	0.657	0.538
4:	0.377	0.027
5:	0.065	-0.260
6:	-0.238	-0.996
7:	-0.619	-0.114
8:	-0.945	0.704
9:	-0.049	0.382
10:	0.239	0.478

X CENTROID: 0.095
 Y CENTROID: 0.267
 POA TO CENTROID: 0.284
 HORZ SPREAD: 2.094
 VERT SPREAD: 2.283
 GROUP SPREAD: 2.671
 MIN RADIUS: 0.184
 MAX RADIUS: 1.467
 MEAN RADIUS: 0.709
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349008. __0

TARGET NUMBER: 2

FILE DATE: 10/30/2003

FILE TIME: 09:20

POINT#	X	Y
1:	-0.107	0.808
2:	0.397	0.724
3:	-1.170	0.229
4:	-0.922	0.208
5:	-0.990	-0.796
6:	-0.869	-0.641
7:	0.026	-0.357
8:	0.374	-0.696
9:	0.767	-0.226
10:	1.309	-0.620

X CENTROID: -0.118

Y CENTROID: -0.137

POA TO CENTROID: 0.181

HORZ SPREAD: 2.479

VERT SPREAD: 1.604

GROUP SPREAD: 2.620

MIN RADIUS: 0.263

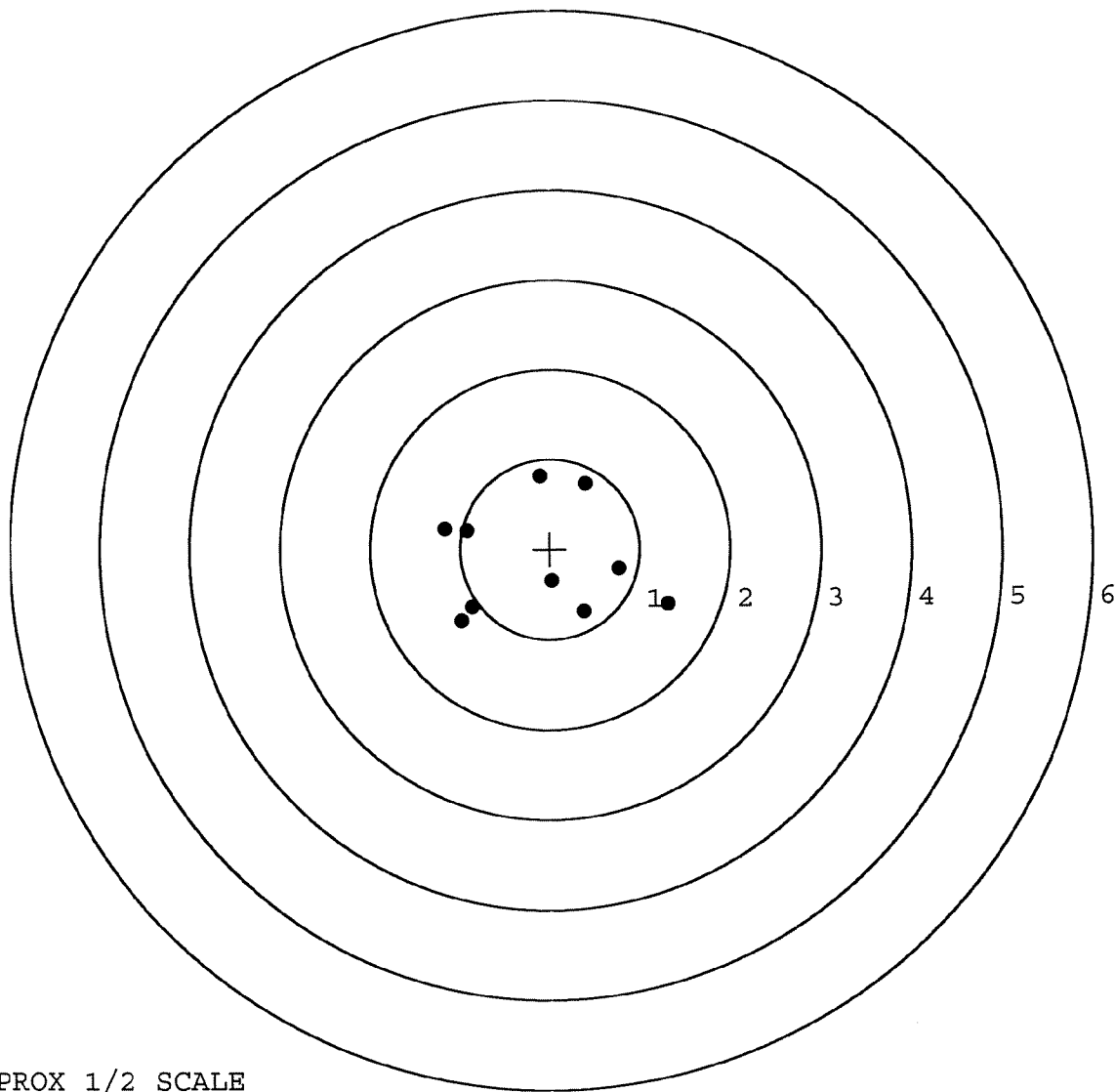
MAX RADIUS: 1.507

MEAN RADIUS: 0.934

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

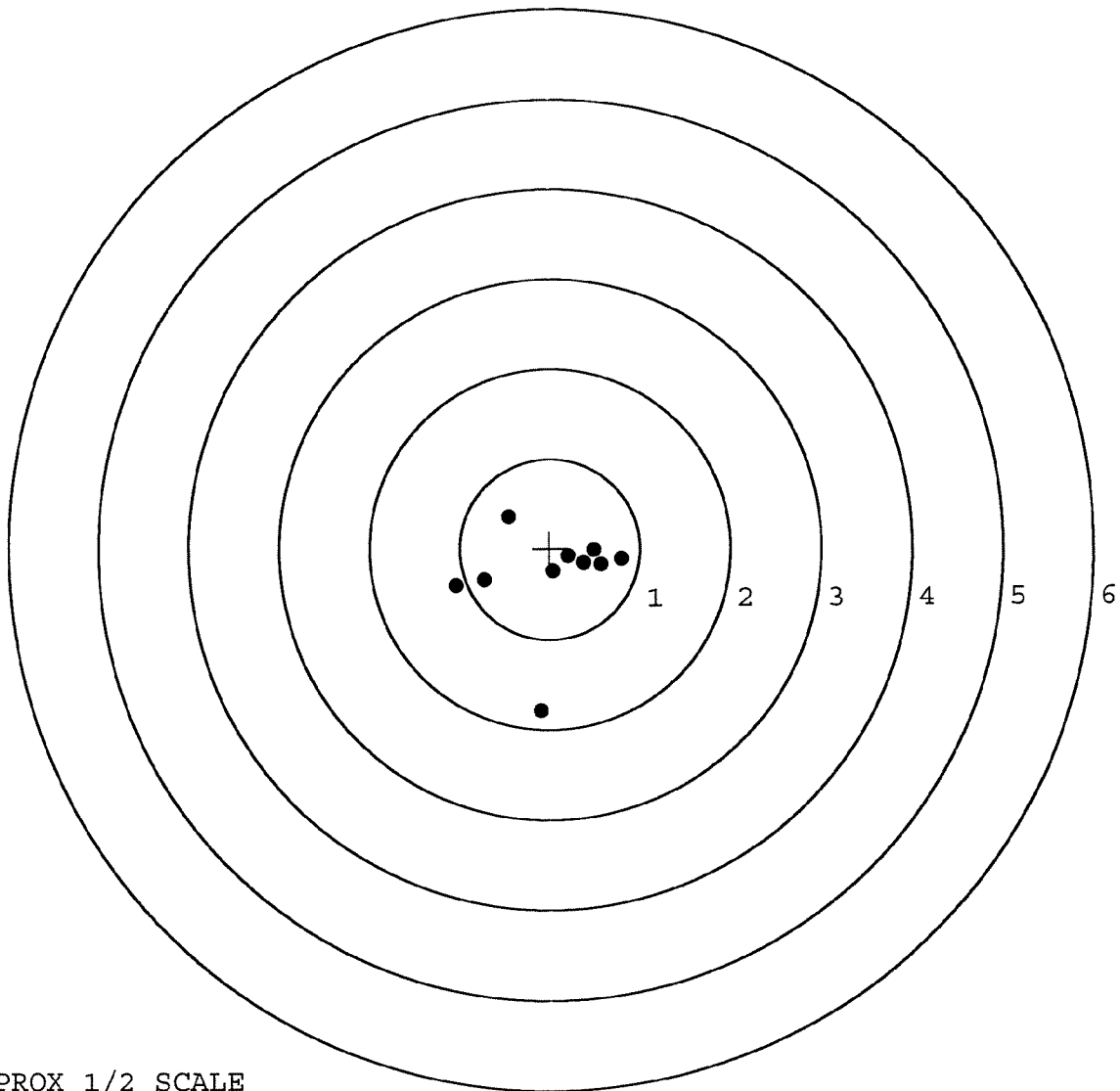


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349008. __0
 TARGET NUMBER: 3
 FILE DATE: 10/30/2003
 FILE TIME: 09:20

X CENTROID: 0.014
 Y CENTROID: -0.303
 POA TO CENTROID: 0.303
 HORZ SPREAD: 1.837
 VERT SPREAD: 2.153
 GROUP SPREAD: 2.181
 MIN RADIUS: 0.053
 MAX RADIUS: 1.496
 MEAN RADIUS: 0.677
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.455	0.359
2:	-1.042	-0.413
3:	-0.730	-0.350
4:	-0.105	-1.794
5:	0.038	-0.256
6:	0.379	-0.161
7:	0.567	-0.184
8:	0.795	-0.120
9:	0.490	-0.023
10:	0.205	-0.088



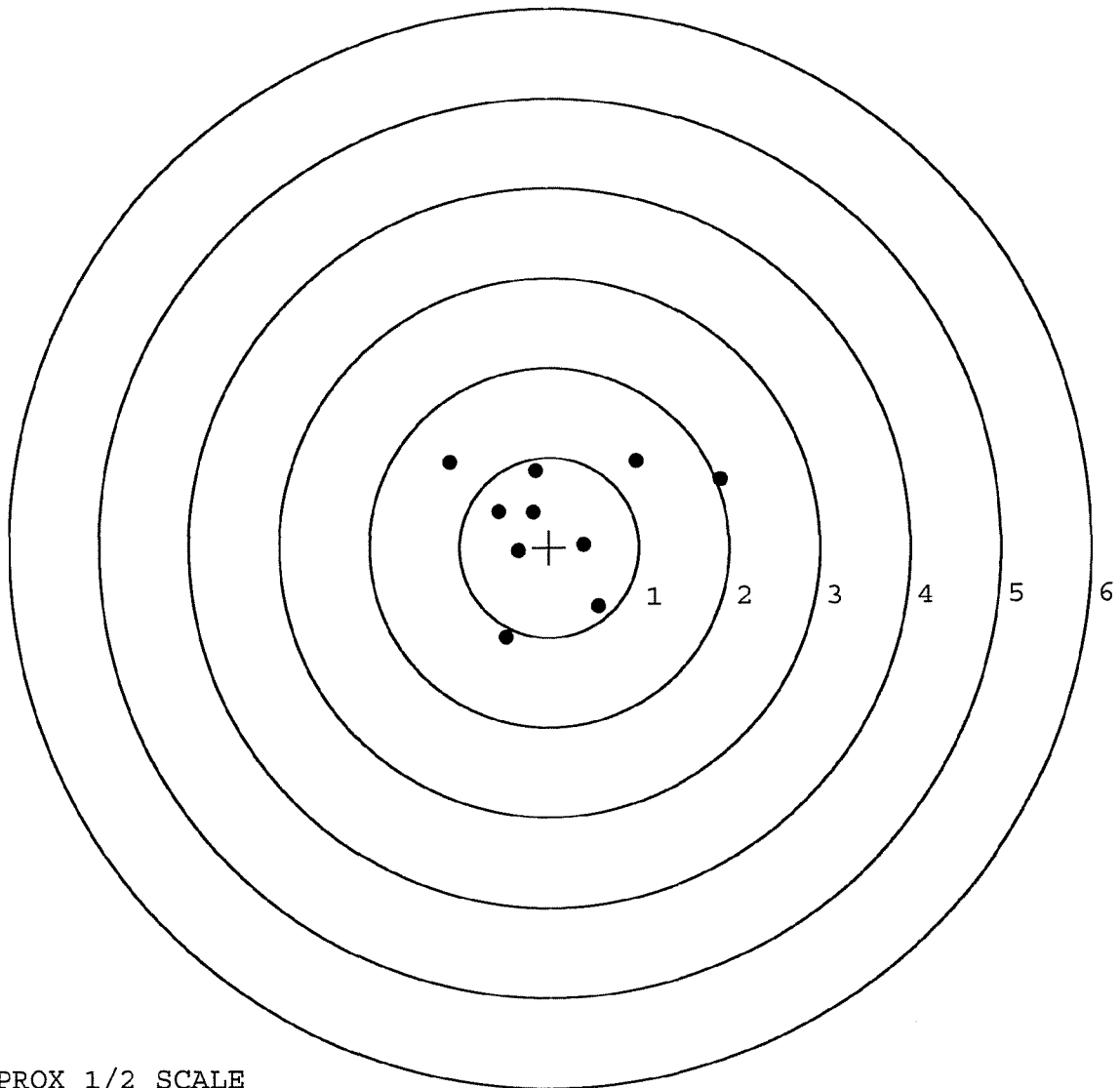
TARGET APPROX 1/2 SCALE

BARBER - M24 0105562

SERIAL NUMBER: C6349008. __0
 TARGET NUMBER: 4
 FILE DATE: 10/30/2003
 FILE TIME: 09:20

POINT#	X	Y
1:	-1.099	0.947
2:	-0.146	0.853
3:	0.974	0.958
4:	1.909	0.745
5:	-0.559	0.398
6:	-0.167	0.390
7:	-0.341	-0.040
8:	0.384	0.029
9:	0.550	-0.664
10:	-0.486	-1.004

X CENTROID: 0.102
 Y CENTROID: 0.261
 POA TO CENTROID: 0.280
 HORZ SPREAD: 3.008
 VERT SPREAD: 1.962
 GROUP SPREAD: 3.015
 MIN RADIUS: 0.298
 MAX RADIUS: 1.871
 MEAN RADIUS: 0.931
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9



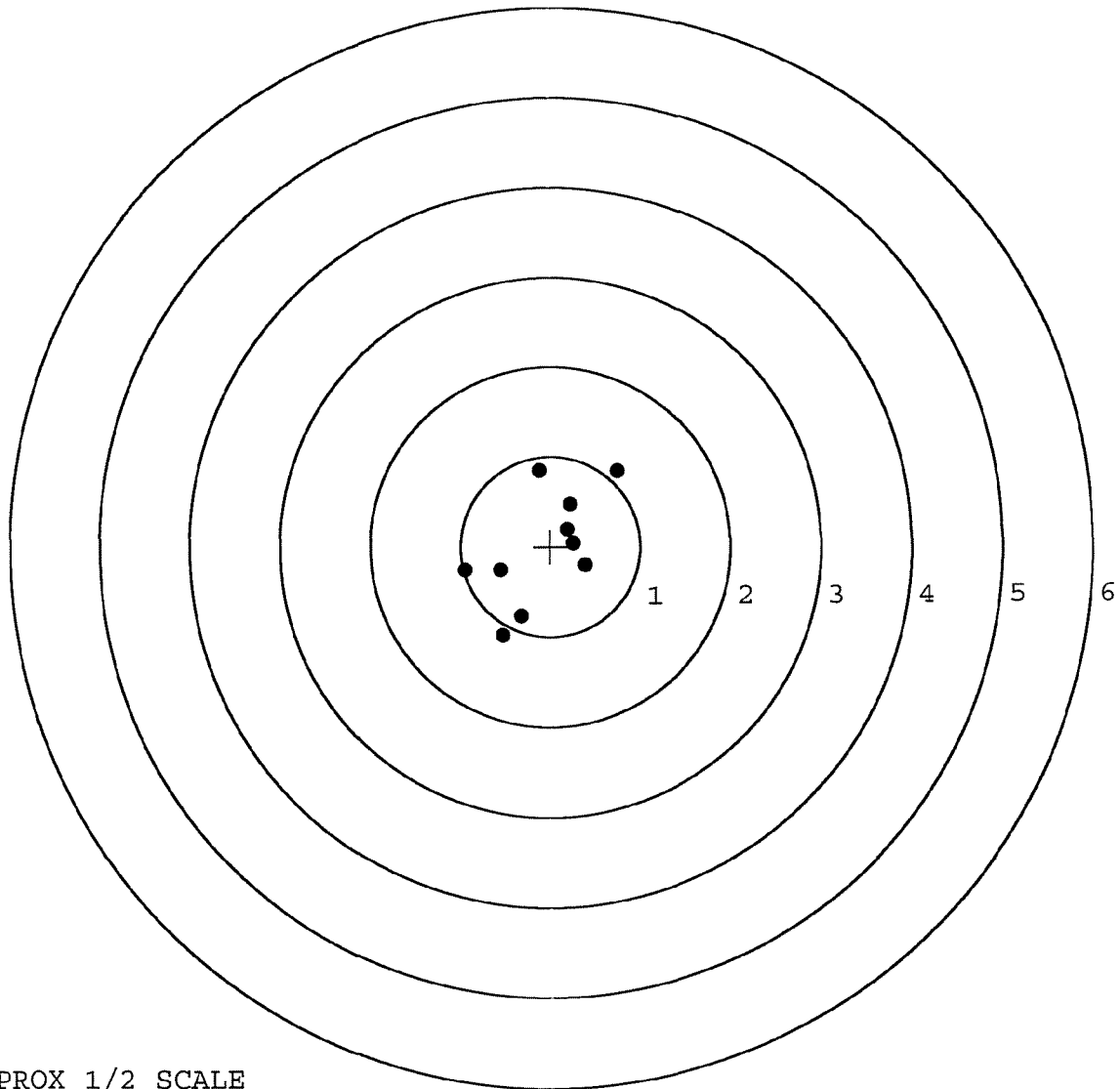
TARGET APPROX 1/2 SCALE

BARBER - M24 0105563

SERIAL NUMBER: C6349008. __0
 TARGET NUMBER: 5
 FILE DATE: 10/30/2003
 FILE TIME: 09:20

POINT#	X	Y
1:	-0.556	-0.261
2:	-0.948	-0.261
3:	-0.322	-0.778
4:	-0.532	-0.992
5:	0.757	0.837
6:	-0.117	0.844
7:	0.232	0.467
8:	0.387	-0.209
9:	0.258	0.034
10:	0.193	0.192

X CENTROID: -0.065
 Y CENTROID: -0.013
 POA TO CENTROID: 0.066
 HORZ SPREAD: 1.705
 VERT SPREAD: 1.836
 GROUP SPREAD: 2.238
 MIN RADIUS: 0.326
 MAX RADIUS: 1.182
 MEAN RADIUS: 0.711
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	070763		
SERIAL NUMBER	C6349008		
LOG-IN DATE	10-6-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-6-03	RW
560 A	RE-BARREL	10-8-03	RTL
B	DRILL AND TAP	10-10-03	TRW
575	ASSEMBLE	10-9-03	RTL
600	PROOF MAGNA-FLUX	10-9-03	AC
605	CHECK HEADSPACE	10-9-03	AC
610	DIS-ASSEMBLE GUN	10-10-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-03	AB
618	ROTO-BLAST	10/13/2003	Don S.
620	APPLY COATINGS	10-15	TA
625 A	FINAL ASSEMBLY	10-22-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-30-03	AC
655	FINAL INSPECT	10-30-03	RTL
660	PACK	10-30-03	TA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

MODEL 700™ H24

SERIAL NO.
06349008

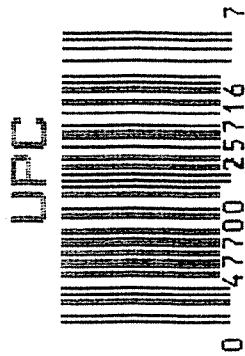
ORDER NO.
5716

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

Ø1



5716 06349008



UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349008

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	R
607	Check Headspace	1 12	90	R
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/17/90	JS
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/20/90	WB
620	Apply Coatings (Barrel Action)		1-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/1/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/2/90	RW
	C) Inspect Ejector Hole for Chamfer		2/2/90	RW
	D) Oil Firing Pin Ass'y		2/2/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/4/90	WB

op. #	BARBER M24 0105567 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			9/4/90	W.B.
	G) Safety Off Force	3	3	2 3/4			9/4/90	W.B.
	H) Trigger Pull Test & Retainability						9/4/90	W.B.
	I) Firing Pin Indent	.023	.023	.023			9/4/90	W.B.
	J) Assemble Stock						9/6/90	Rw
	K) Assemble Swivel Studs						9/9/90	JS
	L) Attach Front and Rear Sight Assemblies						9/6/90	Rw
	M) Iron Sight Alignment						9/6/90	Rw
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	Rw
	O) Attach Scope to Rifle						9/6/90	Rw
	P) Detach & Attach Scope 20 Times						9/6/90	Rw
640	Gallery Target & Test						9-8-90	DH
	A) Time						9-8-90	DH
	B) Malfunctions						9-8-90	DH
	C) Pierced Primers						9-8-90	DH
	D) Optical Clarity of Scope						9-8-90	DH
645	Inspect for Live Ammo						9-8-90	DH
655	Final Inspection A) Headspace						9/9/90	JS
	B) Trigger Pull	217	233	236	232	229	9/9/90	JS
	C) Function						9/9/90	JS
660	Pack						9/19/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6349008

DATE 9/4/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.22	2.23	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.20	2.20	2.33	
PULL #3	2.46	2.21	2.27	2.36	
PULL #4	2.43	2.17	2.14	2.32	
PULL #5	2.45	2.18	2.18	2.29	
TOTAL	12.34	10.98	11.02		
AVG.	2.47	2.196	2.20		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.48		
PULL #2	3.24	3.29		
PULL #3	3.35	3.24		
PULL #4	3.37	3.37		
PULL #5	3.35	3.24		
TOTAL	16.56	16.62		
AVG.	3.31	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.25		4.24
PULL #2	4.19	4.22		4.18
PULL #3	4.10	4.11		4.11
PULL #4	4.18	4.14		4.05
PULL #5	4.21	4.18		4.06
TOTAL	20.80	20.90		20.64
AVG.	4.16	4.18		4.13

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349008
8 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.654832
1 TO	2	.617641
1 TO	3	.91559
1 TO	4	.963001
1 TO	5	.94367

52 1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1426
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.351
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .378861
THE AMR FOR THIS RIFLE IS: .8322

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349008

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 2.217

VS= 1.890

GS= 2.249

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.308

1.321

.920

MINIMUM X

:

-.909

-.896

-.731

MAXIMUM Y

:

1.413

.732

.697

MINIMUM Y

:

-.477

-.320

-.355

CENTROID X

:

.543

.530

.365

CENTROID Y

:

-.366

-.523

-.488

POA TO CENTROID in.:

.655

.745

.609

MIN RADIUS

:

.281

.283

.208

MEAN RADIUS

:

.737

.643

.514

MAX RADIUS

:

1.418

1.352

.971

HORIZONTAL SPREAD

:

2.217

2.217

1.651

VERTICAL SPREAD

:

1.890

1.052

1.052

EXTREME SPREAD

:

2.249

2.249

1.691

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349000

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 9

HS = 2.748

VS = 1.630

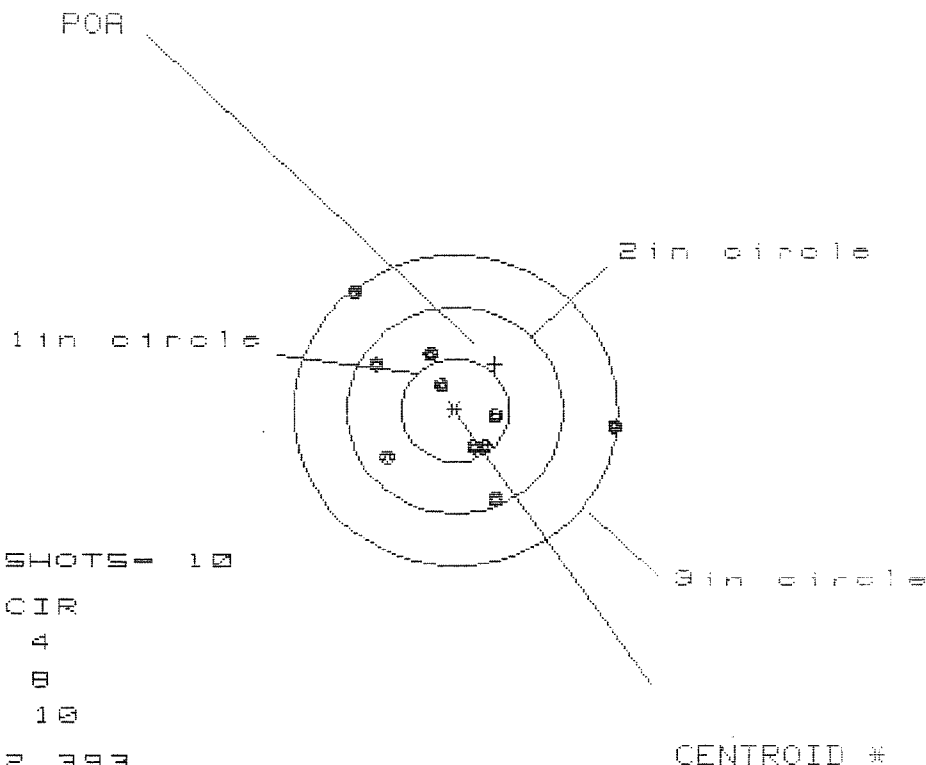
GS = 3.021

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.712	1.460	1.206
MINIMUM X	:	-1.036	-.845	-.663
MAXIMUM Y	:	.879	.950	.901
MINIMUM Y	:	-.751	-.680	-.729
CENTROID X	:	-.073	-.264	-.446
CENTROID Y	:	-.321	-.392	-.343
POA TO CENTROID in.	:	.330	.472	.563
MIN RADIUS	:	.558	.537	.421
MEAN RADIUS	:	1.017	.893	.775
MAX RADIUS	:	1.826	1.511	1.225
HORIZONTAL SPREAD	:	2.748	2.305	1.859
VERTICAL SPREAD	:	1.630	1.630	1.630
EXTREME SPREAD	:	3.021	2.359	2.037
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349008

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS = 2.393

VS = 2.005

GS = 2.697

CENTROID *

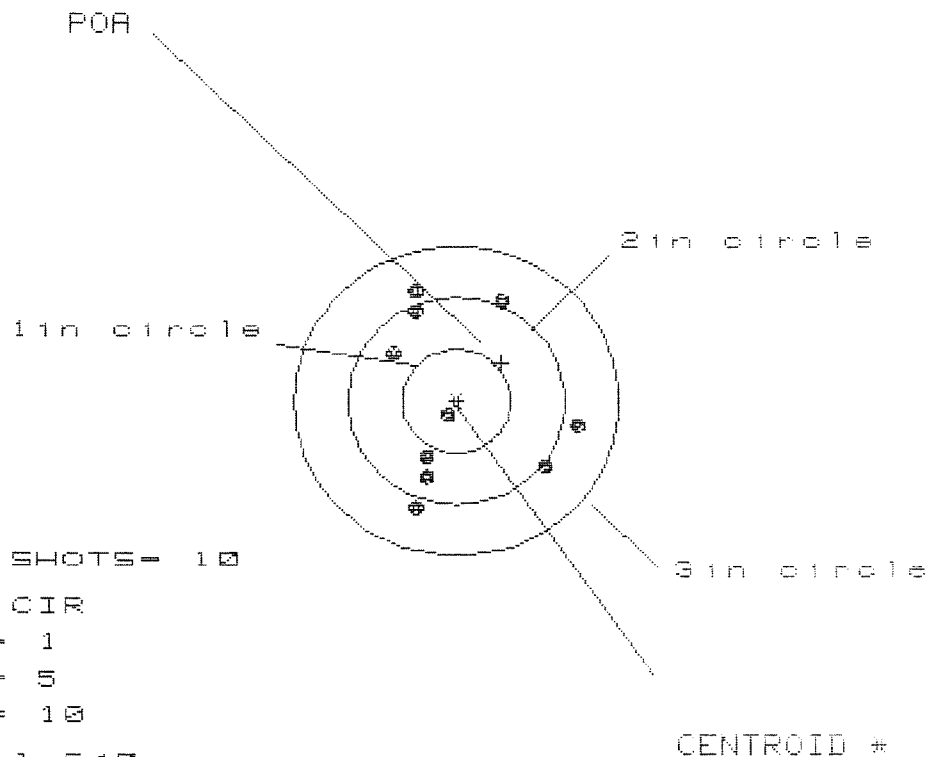
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.485	.547	.455
MINIMUM X	-.908	-.743	-.692
MAXIMUM Y	1.116	1.102	.629
MINIMUM Y	-.889	-.903	-.765
CENTROID X	-.369	-.534	-.442
CENTROID Y	-.447	-.433	-.571
POA TO CENTROID in.	.580	.688	.722
MIN RADIUS	.258	.185	.335
MEAN RADIUS	.767	.684	.588
MAX RADIUS	1.491	1.329	.906
HORIZONTAL SPREAD	2.393	1.290	1.146
VERTICAL SPREAD	2.005	2.005	1.394
EXTREME SPREAD	2.697	2.384	1.771
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349008

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 1.640

VS = 2.064

GS = 2.162

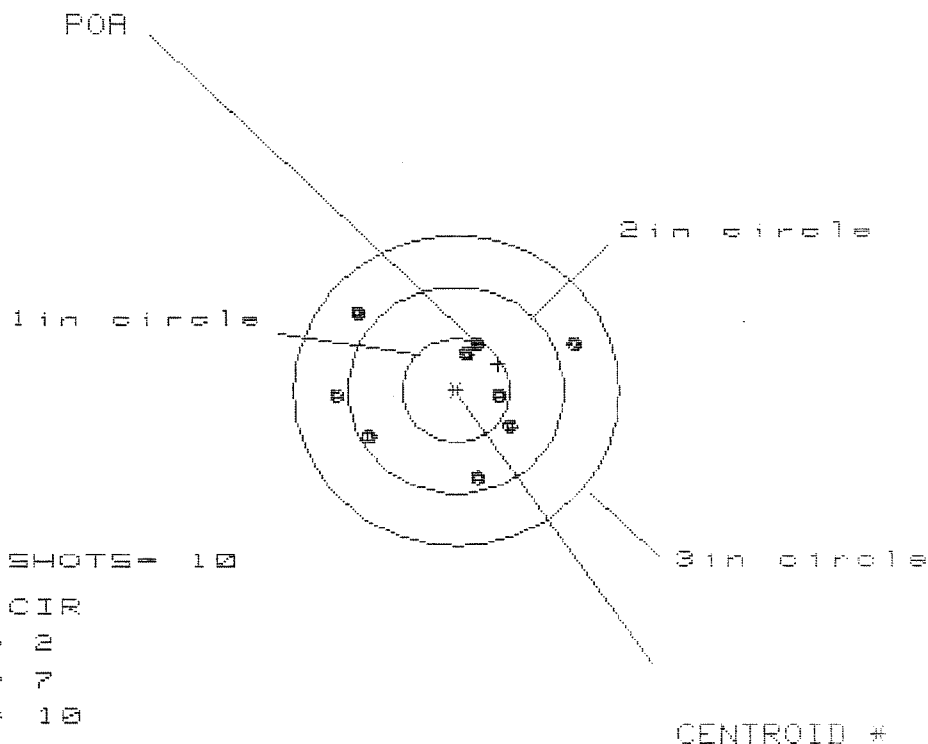
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.092	1.052	.938
MINIMUM X	:	-.548	-.588	-.457
MAXIMUM Y	:	1.060	1.100	1.086
MINIMUM Y	:	-1.004	-.886	-.900
CENTROID X	:	-.420	-.380	-.511
CENTROID Y	:	-.367	-.485	-.471
POA TO CENTROID in.	:	.557	.616	.695
MIN RADIUS	:	.190	.154	.054
MEAN RADIUS	:	.874	.833	.775
MAX RADIUS	:	1.119	1.180	1.221
HORIZONTAL SPREAD	:	1.640	1.640	1.395
VERTICAL SPREAD	:	2.064	1.986	1.986
EXTREME SPREAD	:	2.162	2.162	2.162
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349008

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.176

VS= 1.529

GS= 2.238

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.048
MINIMUM X	-1.129
MAXIMUM Y	.704
MINIMUM Y	-.825
CENTROID X	-.394
CENTROID Y	-.254
POA TO CENTROID in.	.469
MIN RADIUS	.366
MEAN RADIUS	.766
MAX RADIUS	1.165
HORIZONTAL SPREAD	2.176
VERTICAL SPREAD	1.529
EXTREME SPREAD	2.238
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10