

C6498749

MODEL 700™ M24

Model **SMS**™

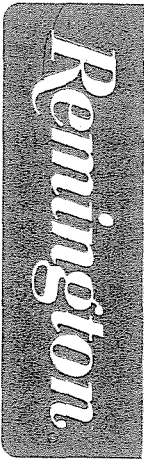
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00070654

Serial: C6498749 Model 700 Center Fire Caliber: 7
62 NATO M/24 SWS Produced: 06/19/1990

Repairman:

Verify Repair

High Priority

Status:

New 9/26/2003 2:15:21 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: HHC 2 108 IN

HHC 2 108 IN

Address 1: 1700 PKWY ARMORY

1700 PKWY ARMORY

Address 2: PO Box:

PO Box:

City: UTICA

UTICA

State: NY Zip Code: 13501

Country: US

State: NY Zip Code: 13501

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 315 724 1386 15

Fax:

Email:

Comments: EXT 16 OR 31

Received Condition

Good

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	FRT AND REAR BASE	1

Repair Search

Refresh

Close

naglejt

9/29/2003

7:39 AM

CAPS

NUM

INS

SCFL

start

Info - Microsoft

Calendar - Microsoft

Microsoft Excel

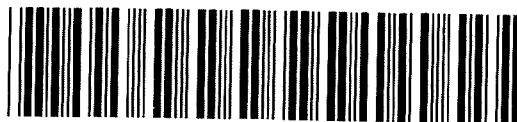
Arms Services R...

7:39 AM

Serial Number:

C6498749

Model: 700



RE00070654

R & E NUMBER	70654		
SERIAL NUMBER	C6498749		
LOG-IN DATE	9-26-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-1-03	RTL
560 A	RE-BARREL	10-7-03	RTL
B	DRILL AND TAP	10-9-03	TRW
575	ASSEMBLE	10-7-03	RTL
600	PROOF		
605	CHECK HEADSPACE	10-8-03	RTL
610	DIS-ASSEMBLE GUN	10-8-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-03	AB
618	ROTO-BLAST	10/13/2003	Davis
620	APPLY COATINGS	10-14	TR
625 A	FINAL ASSEMBLY	11-22-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-24-03	TRW
655	FINAL INSPECT	10-25-03	LR
660	PACK	10-26-03	RTA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498749.___0

FILE DATE AND TIME: 10/24/2003 06:36

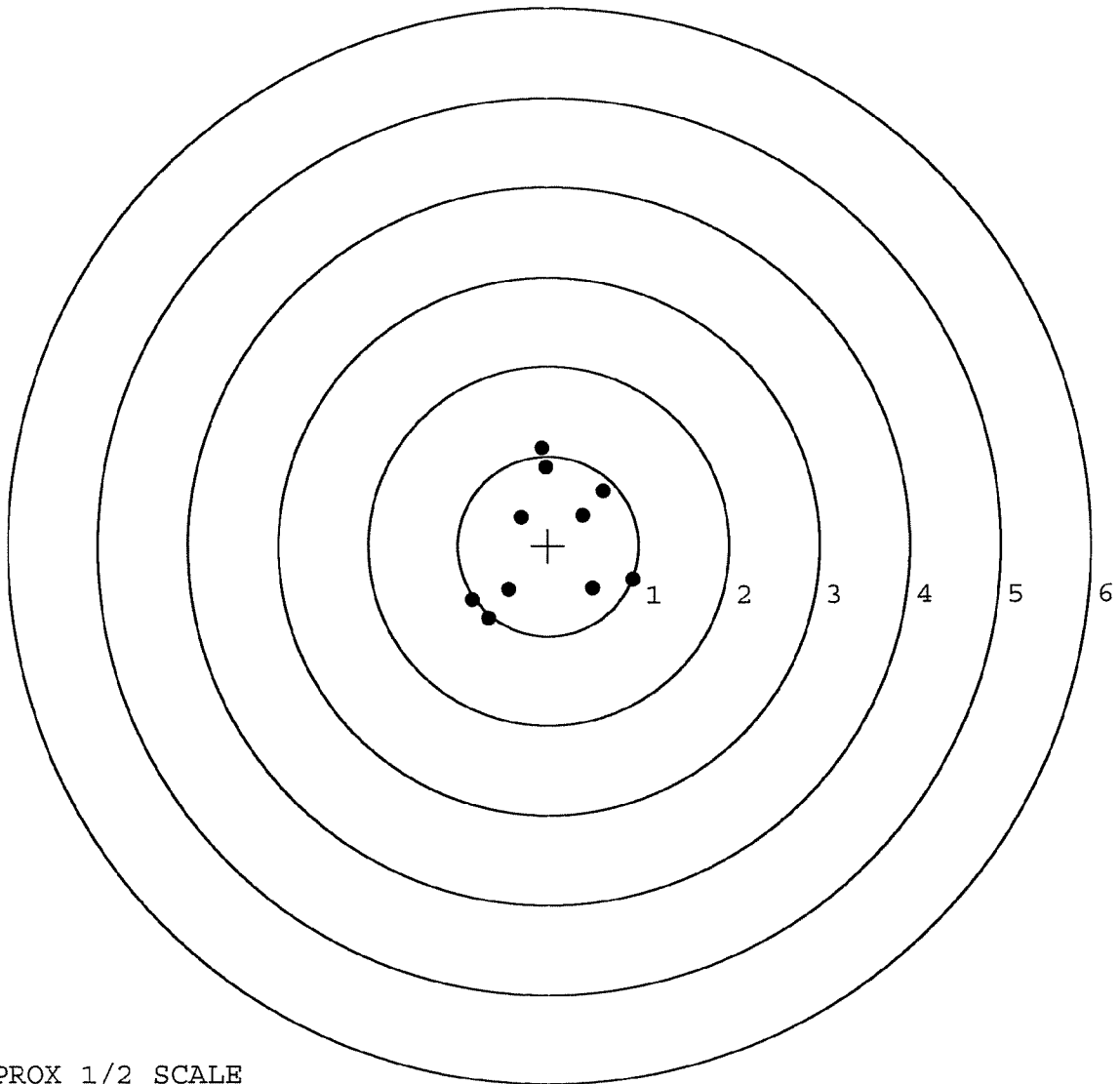
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.027
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.030
The Average Mean Radius of the Five Target Set:	0.752
The Distance from POA to Centroid Target #1:	0.047
The Distance from Centroid Target #2 to Centroid Target #1:	0.158
The Distance from Centroid Target #3 to Centroid Target #1:	0.086
The Distance from Centroid Target #4 to Centroid Target #1:	0.300
The Distance from Centroid Target #5 to Centroid Target #1:	0.089

SERIAL NUMBER: C6498749. 0
 TARGET NUMBER: 1
 FILE DATE: 10/24/2003
 FILE TIME: 06:36

POINT#	X	Y
1:	0.937	-0.383
2:	0.488	-0.479
3:	0.613	0.612
4:	0.386	0.335
5:	-0.298	0.315
6:	-0.073	1.089
7:	-0.434	-0.487
8:	-0.841	-0.600
9:	-0.660	-0.813
10:	-0.026	0.874

X CENTROID: 0.009
 Y CENTROID: 0.046
 POA TO CENTROID: 0.047
 HORZ SPREAD: 1.778
 VERT SPREAD: 1.902
 GROUP SPREAD: 1.991
 MIN RADIUS: 0.408
 MAX RADIUS: 1.089
 MEAN RADIUS: 0.817
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

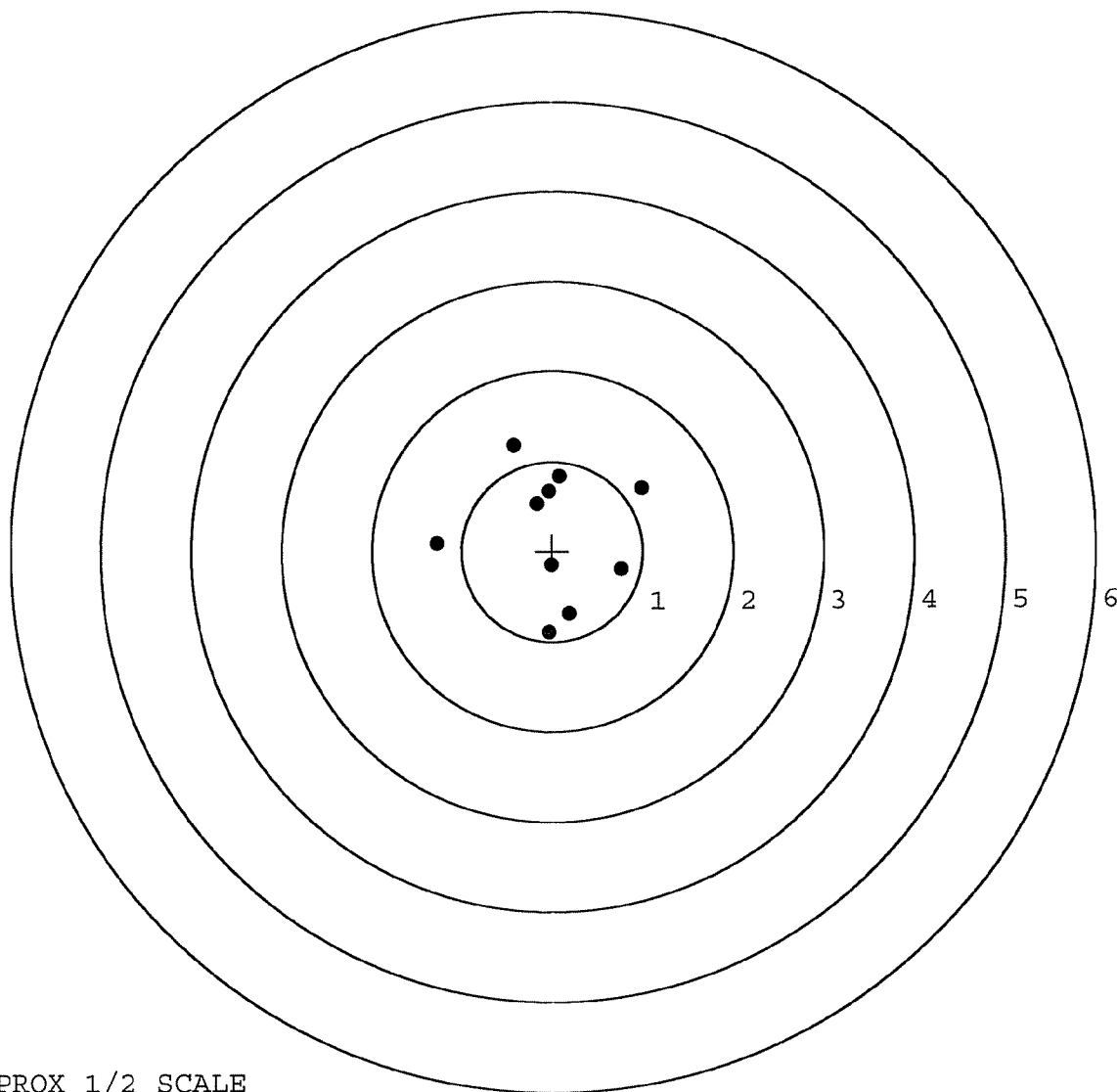


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749. __0
 TARGET NUMBER: 2
 FILE DATE: 10/24/2003
 FILE TIME: 06:36

POINT#	X	Y
1:	0.764	-0.205
2:	0.187	-0.697
3:	-0.039	-0.905
4:	-0.011	-0.158
5:	-1.276	0.087
6:	-0.169	0.530
7:	0.081	0.838
8:	-0.420	1.177
9:	-0.037	0.667
10:	0.990	0.704

X CENTROID: 0.007
 Y CENTROID: 0.204
 POA TO CENTROID: 0.204
 HORZ SPREAD: 2.266
 VERT SPREAD: 2.082
 GROUP SPREAD: 2.348
 MIN RADIUS: 0.362
 MAX RADIUS: 1.288
 MEAN RADIUS: 0.818
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

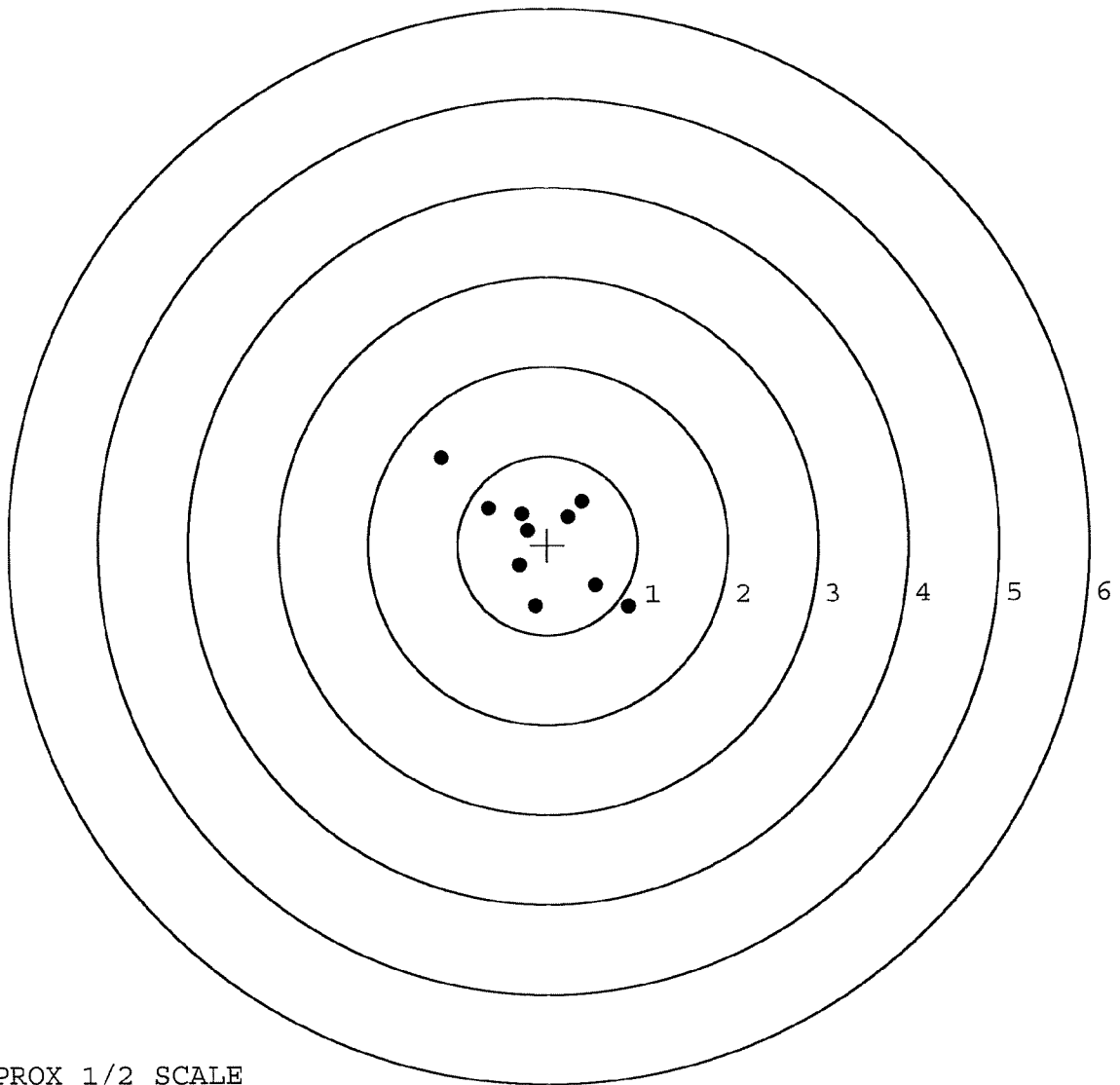


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749. __0
 TARGET NUMBER: 3
 FILE DATE: 10/24/2003
 FILE TIME: 06:36

POINT#	X	Y
1:	0.895	-0.690
2:	0.532	-0.454
3:	-0.134	-0.682
4:	-0.310	-0.232
5:	0.382	0.493
6:	0.230	0.319
7:	-0.282	0.348
8:	-0.220	0.162
9:	-0.657	0.419
10:	-1.177	0.984

X CENTROID: -0.074
 Y CENTROID: 0.067
 POA TO CENTROID: 0.100
 HORZ SPREAD: 2.072
 VERT SPREAD: 1.674
 GROUP SPREAD: 2.664
 MIN RADIUS: 0.174
 MAX RADIUS: 1.435
 MEAN RADIUS: 0.682
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

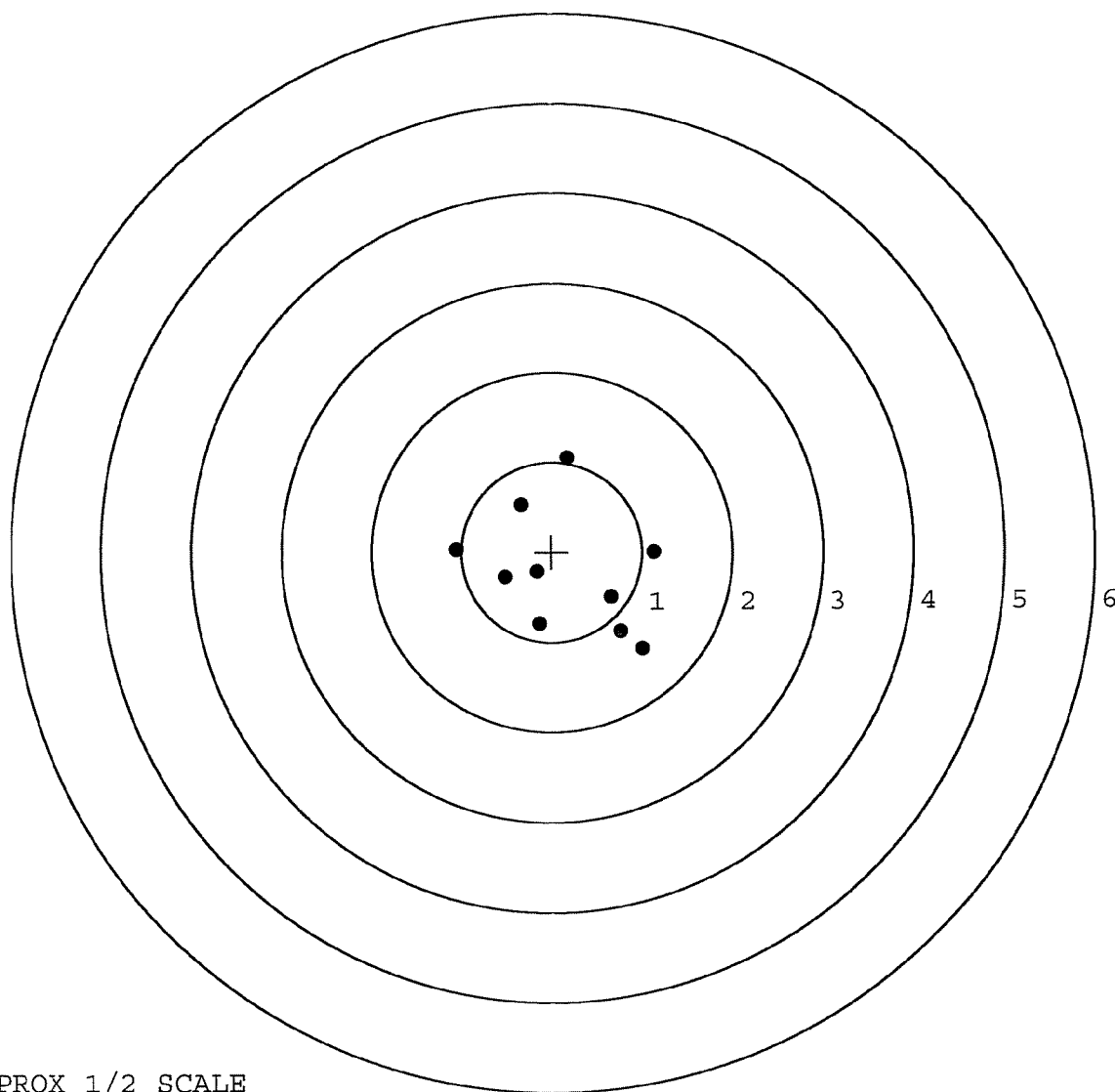


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749. __0
 TARGET NUMBER: 4
 FILE DATE: 10/24/2003
 FILE TIME: 06:36

POINT#	X	Y
1:	1.001	-1.078
2:	0.762	-0.882
3:	0.656	-0.504
4:	1.131	0.005
5:	0.180	1.043
6:	-0.339	0.524
7:	-0.138	-0.800
8:	-0.166	-0.226
9:	-0.514	-0.284
10:	-1.055	0.028

X CENTROID: 0.152
 Y CENTROID: -0.217
 POA TO CENTROID: 0.265
 HORZ SPREAD: 2.186
 VERT SPREAD: 2.121
 GROUP SPREAD: 2.274
 MIN RADIUS: 0.318
 MAX RADIUS: 1.261
 MEAN RADIUS: 0.871
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

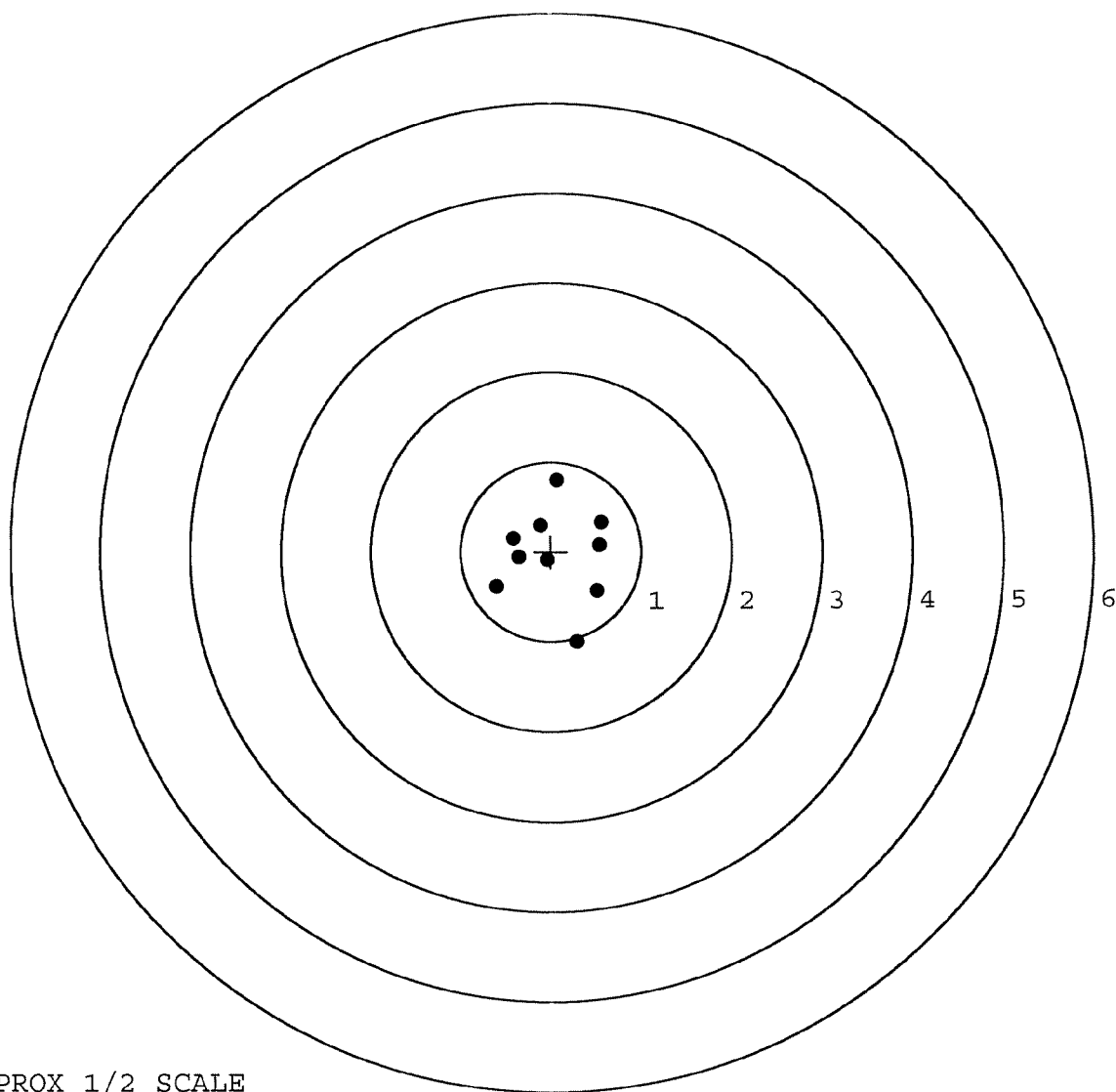


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749. __0
 TARGET NUMBER: 5
 FILE DATE: 10/24/2003
 FILE TIME: 06:36

POINT#	X	Y
1:	0.293	-1.010
2:	0.513	-0.444
3:	0.535	0.074
4:	0.557	0.329
5:	0.069	0.797
6:	-0.601	-0.395
7:	-0.419	0.152
8:	-0.118	0.300
9:	-0.046	-0.099
10:	-0.355	-0.065

X CENTROID: 0.043
 Y CENTROID: -0.036
 POA TO CENTROID: 0.056
 HORZ SPREAD: 1.158
 VERT SPREAD: 1.807
 GROUP SPREAD: 1.821
 MIN RADIUS: 0.109
 MAX RADIUS: 1.006
 MEAN RADIUS: 0.571
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

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

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

MODEL 700™ H24

SERIAL NO.
C6498749

ORDER NO.
5716

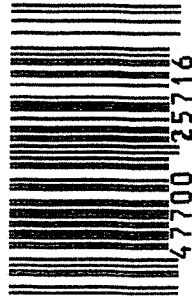
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6498749

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498749

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	BSB
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RWB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6-4-90	TA
	Apply Coating (Bolt)		6-4-90	TA
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/8/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 ³ / ₄	3 ³ / ₄	3 ¹ / ₂			6/11/90	WB
	G) Safety Off Force	2	2	2			6/11/90	WB
	H) Trigger Pull Test & Retainability						6/8/90	JH
	I) Firing Pin Indent	.0235	.024	.024			6/11/90	WB
	J) Assemble Stock						6/11/90	RW
	K) Assemble Swivel Studs						6/13/90	JH
	L) Attach Front and Rear Sight Assemblies						6/11/90	RW
	M) Iron Sight Alignment						6/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/11/90	RW
	O) Attach Scope to Rifle						6/11/90	WB
	P) Detach & Attach Scope 20 Times						6/11/90	WB
640	Gallery Target & Test						6-11-90	AC
	A) Time						6-11-90	AC
	B) Malfunctions						6-11-90	AC
	C) Pierced Primers						6-11-90	AC
	D) Optical Clarity of Scope						6-11-90	AC
645	Inspect for Live Ammo						6-11-90	AC
655	Final Inspection							
	A) Headspace						6-13-90	JH
	B) Trigger Pull	2.70	2.73	2.59	2.59	2.53	6-11-90	GS
	C) Function						6-13-90	JH
660	Pack						6-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06498749DATE 6/8/90TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.41	2.30	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.50	2.35	2.73	
PULL #3	2.34	2.29	2.37	2.59	
PULL #4	2.50	2.32	2.30	2.59	
PULL #5	2.26	2.37	2.25	2.53	
TOTAL	11.69	11.89	11.57		
AVG.	2.338	2.378	2.314		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.37		
PULL #2	3.31	3.28		
PULL #3	3.30	3.41		
PULL #4	3.19	3.30		
PULL #5	3.38	3.31		
TOTAL	16.38	16.67		
AVG.	3.276	3.334		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.27		4.25
PULL #2	4.38	4.26		4.25
PULL #3	4.34	4.30		4.26
PULL #4	4.28	4.24		4.27
PULL #5	4.27	4.27		4.26
TOTAL	21.42	21.34		21.29
AVG.	4.284	4.268		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498749
11 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.485685
1 TO	2	1.04102
1 TO	3	1.39574
1 TO	4	.776294
1 TO	5	1.03123

$$\begin{matrix} & 5 \\ & +4 \\ l & 2.3 \end{matrix} \quad \text{-----POA}$$

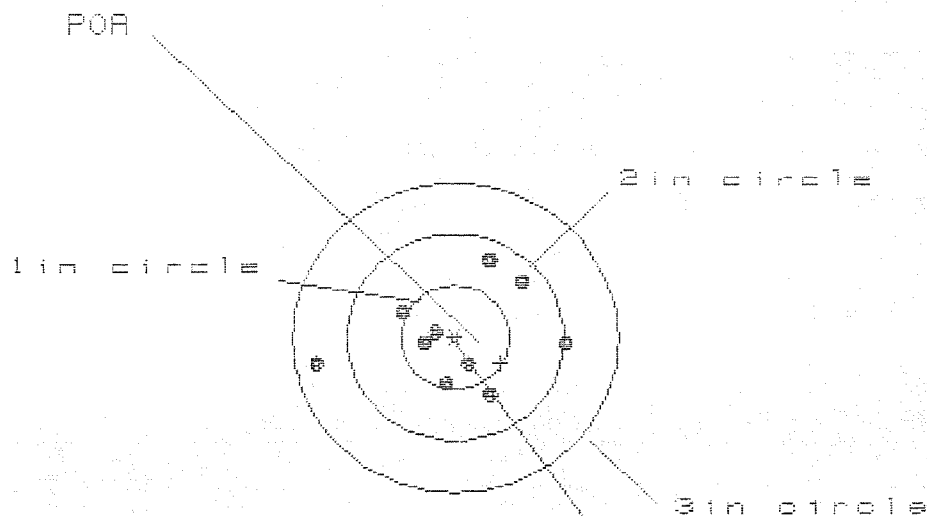
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3412
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .341958

THE AMR FOR THIS RIFLE IS: .7504

11 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8498749

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 0

3 in = 10

HS= 2.263

VS= 1.268

GS= 2.274

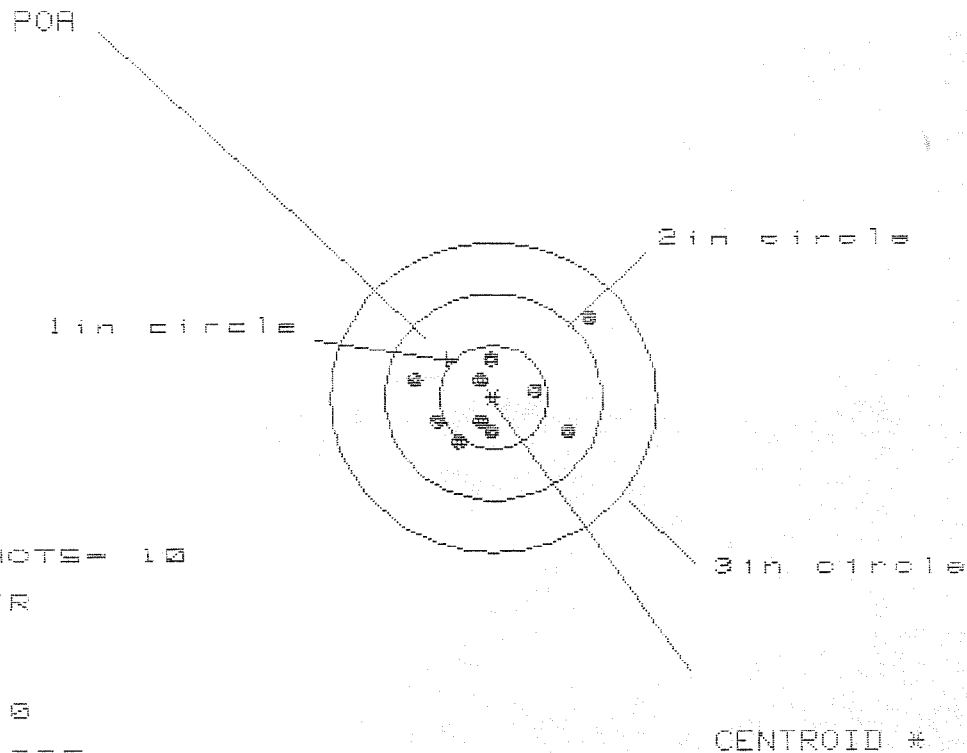
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.969	.826	.532
MINIMUM X	-1.294	-.608	-.505
MAXIMUM Y	.735	.707	.700
MINIMUM Y	-.533	-.561	-.568
CENTROID X	-.417	-.274	-.377
CENTROID Y	.249	.277	.284
POA TO CENTROID in.	.486	.389	.472
MIN RADIUS	.160	.288	.185
MEAN RADIUS	.630	.565	.509
MAX RADIUS	1.318	.828	.769
HORIZONTAL SPREAD	2.263	1.434	1.037
VERTICAL SPREAD	1.268	1.268	1.268
EXTREME SPREAD	2.274	1.458	1.284
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06438749

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.580

VS = 1.245

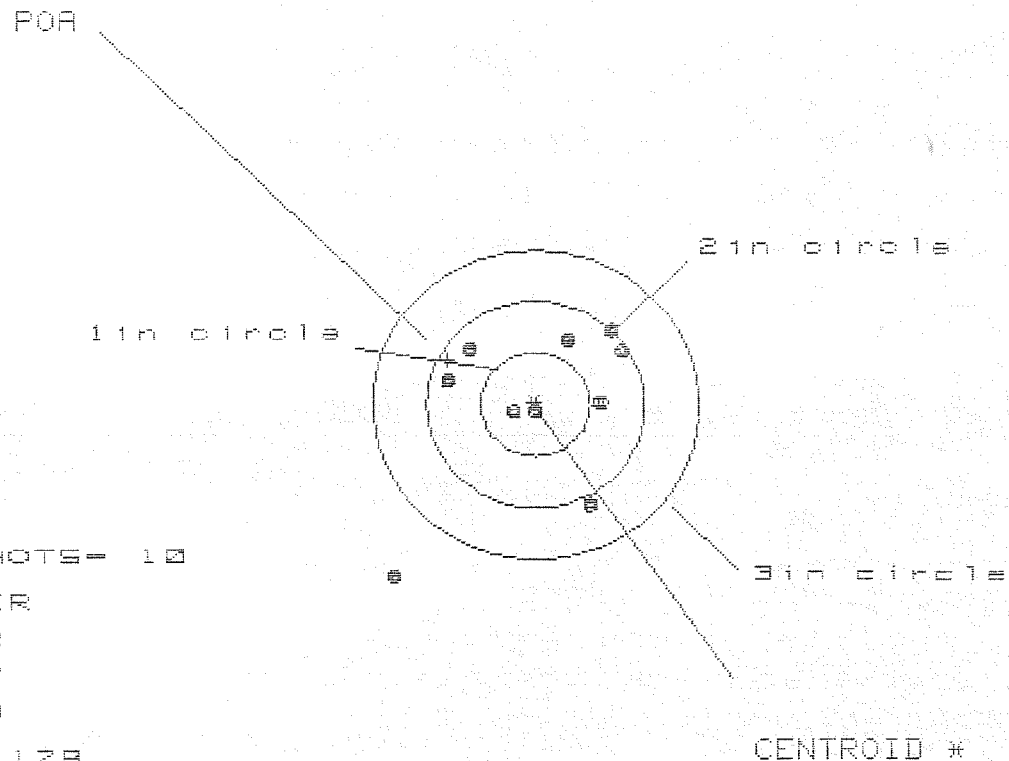
GS = 1.712

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.830	.817	.571
MINIMUM X	-.750	-.658	-.556
MAXIMUM Y	.787	.498	.473
MINIMUM Y	-.458	-.371	-.396
CENTROID X	.420	.328	.226
CENTROID Y	-.370	-.457	-.432
POA TO CENTROID in.	.560	.563	.488
MIN RADIUS	.191	.155	.173
MEAN RADIUS	.547	.459	.405
MAX RADIUS	1.143	.841	.605
HORIZONTAL SPREAD	1.580	1.475	1.127
VERTICAL SPREAD	1.245	.869	.869
EXTREME SPREAD	1.712	1.546	1.134
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0649B749

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.178

VS= 2.438

GS= 3.199

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.834
MINIMUM X	-1.344
MAXIMUM Y	.769
MINIMUM Y	-1.669
CENTROID X	.803
CENTROID Y	-.429
POA TO CENTROID in.	.910
MIN RADIUS	.079
MEAN RADIUS	.857
MAX RADIUS	2.143
HORIZONTAL SPREAD	2.178
VERTICAL SPREAD	2.438
EXTREME SPREAD	3.199
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS436743

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.466

VS= 2.386

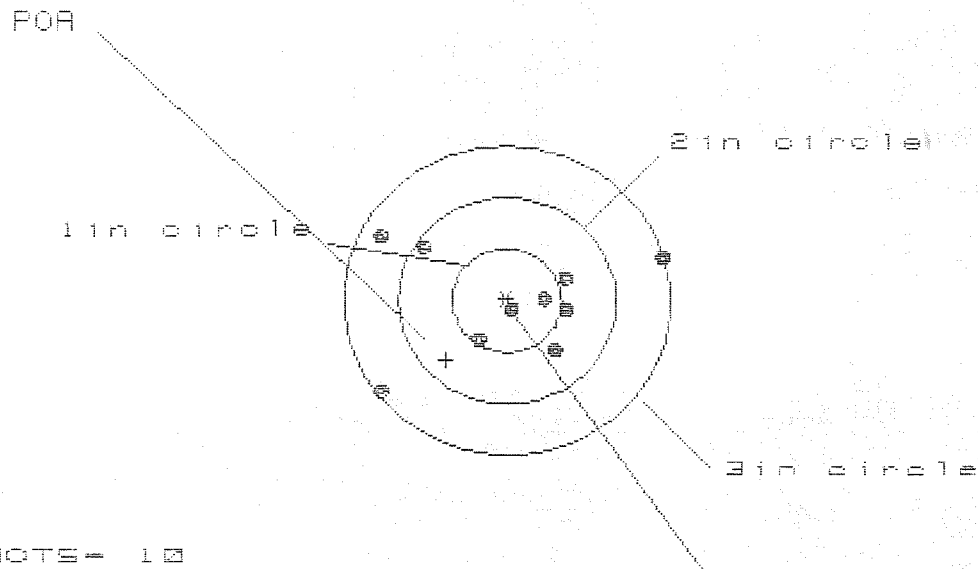
GS= 2.863

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.103	.848	.952
MINIMUM X	:	-1.363	-1.241	-1.137
MAXIMUM Y	:	1.199	1.067	.908
MINIMUM Y	:	-1.188	-.886	-.753
CENTROID X	:	.340	.218	.114
CENTROID Y	:	.077	.289	.076
POA TO CENTROID in.	:	.349	.302	.137
MIN RADIUS	:	.113	.103	.233
MEAN RADIUS	:	.951	.867	.808
MAX RADIUS	:	1.620	1.352	1.188
HORIZONTAL SPREAD	:	2.466	2.089	2.089
VERTICAL SPREAD	:	2.386	1.953	1.661
EXTREME SPREAD	:	2.863	2.445	2.296
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06438749

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HSE = 2.586

VSE = 1.543

GSE = 2.870

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.423	.716	.595
MINIMUM X	-1.143	-.985	-1.106
MAXIMUM Y	.644	.692	.586
MINIMUM Y	-.899	-.851	-.509
CENTROID X	.560	.402	.523
CENTROID Y	.579	.531	.638
POA TO CENTROID in.	.805	.666	.824
MIN RADIUS	.064	.203	.133
MEAN RADIUS	.767	.713	.611
MAX RADIUS	1.486	1.286	1.251
HORIZONTAL SPREAD	2.566	1.701	1.701
VERTICAL SPREAD	1.543	1.543	1.094
EXTREME SPREAD	2.870	1.998	1.892
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	