

C6522256

MODEL 700™ M24

Model **SWS**

TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Serial Number:

Model: 700



RE00049041

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 49041			
SERIAL NUMBER C6522256			
LOG-IN DATE 7/9/02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/9/02	RL
560 A	RE-BARREL AT CUSTOM SHOP	7/9/02	RL
B	DRILL AND TAP	7/10/02	RL
C	POLISH		
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-10-02	AC
605	CHECK HEADSPACE	7-10-02	AC OK
610	DIS-ASSEMBLE GUN	7/10/02	RL
612	MAGNAFLUX INSPECTED	7/23/02	
615	ROLLMARK CALIBER	7/23/02	TD
618	ROTO-BLAST OPERATOR	7/25/02	NO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7/29/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-30-02	AC
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522256.__0
FILE DATE AND TIME: 07/31/2002 09:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.104
The Average Y Centroid of the Five Target Set:	-0.031
The Average Point of Impact of the Five Target Set:	0.109
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.450
The Distance from Centroid Target #2 to Centroid Target #1:	0.459
The Distance from Centroid Target #3 to Centroid Target #1:	0.606
The Distance from Centroid Target #4 to Centroid Target #1:	0.422
The Distance from Centroid Target #5 to Centroid Target #1:	0.401

SERIAL NUMBER: C6522256. 0

TARGET NUMBER: 1

FILE DATE: 07/31/2002

FILE TIME: 09:48

POINT#	X	Y
1:	0.989	-0.395
2:	0.069	-0.906
3:	-0.490	-0.363
4:	-0.008	0.572
5:	-0.265	0.674
6:	-0.916	0.748
7:	-1.149	0.618
8:	-0.909	0.454
9:	-0.761	0.275
10:	-0.694	0.110

X CENTROID: -0.413

Y CENTROID: 0.179

POA TO CENTROID: 0.450

HORZ SPREAD: 2.138

VERT SPREAD: 1.654

GROUP SPREAD: 2.366

MIN RADIUS: 0.289

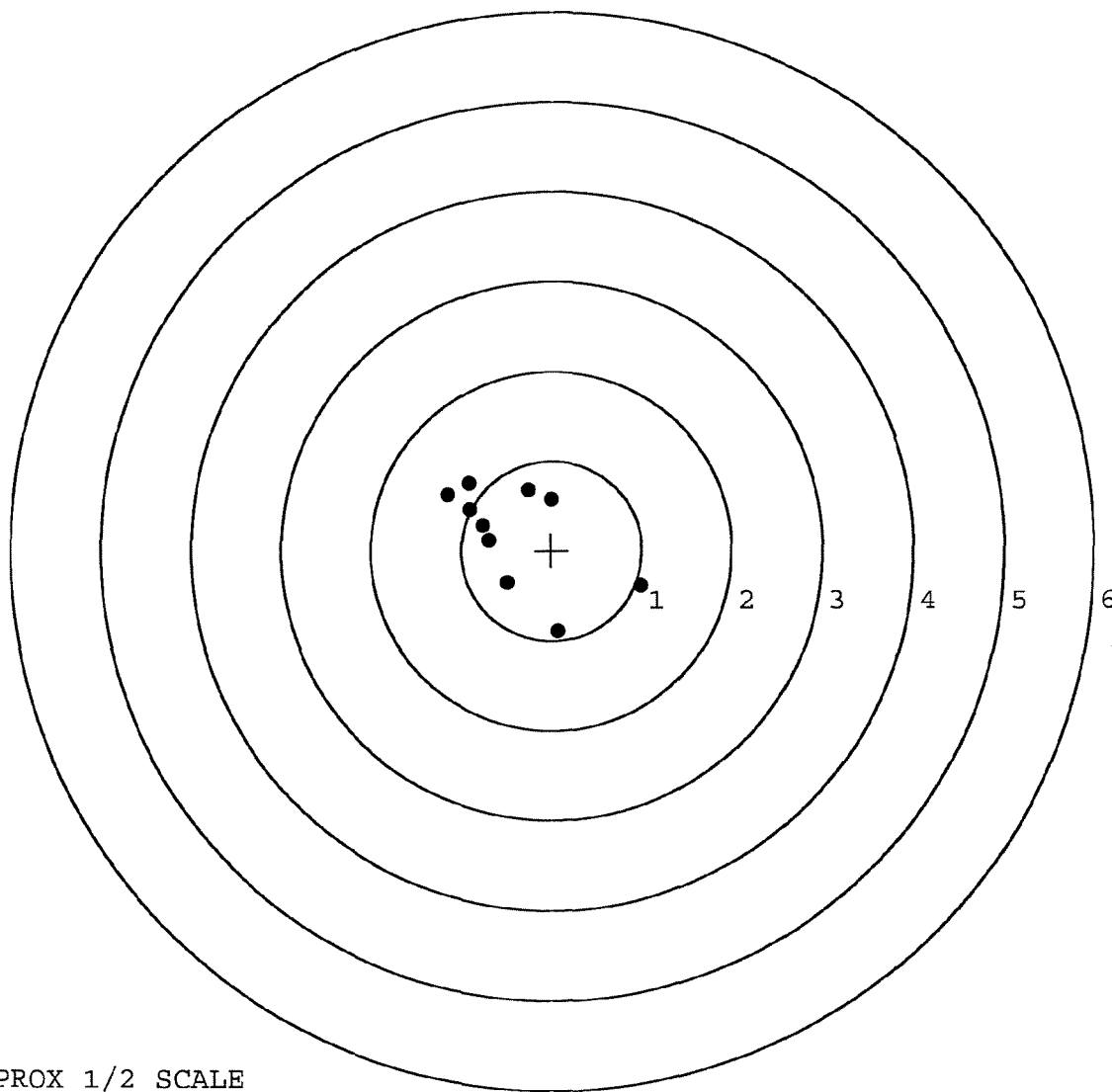
MAX RADIUS: 1.515

MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522256. __0

TARGET NUMBER: 2

FILE DATE: 07/31/2002

FILE TIME: 09:48

X CENTROID: 0.010

Y CENTROID: 0.002

POA TO CENTROID: 0.010

HORZ SPREAD: 1.826

VERT SPREAD: 2.054

GROUP SPREAD: 2.081

MIN RADIUS: 0.273

MAX RADIUS: 1.452

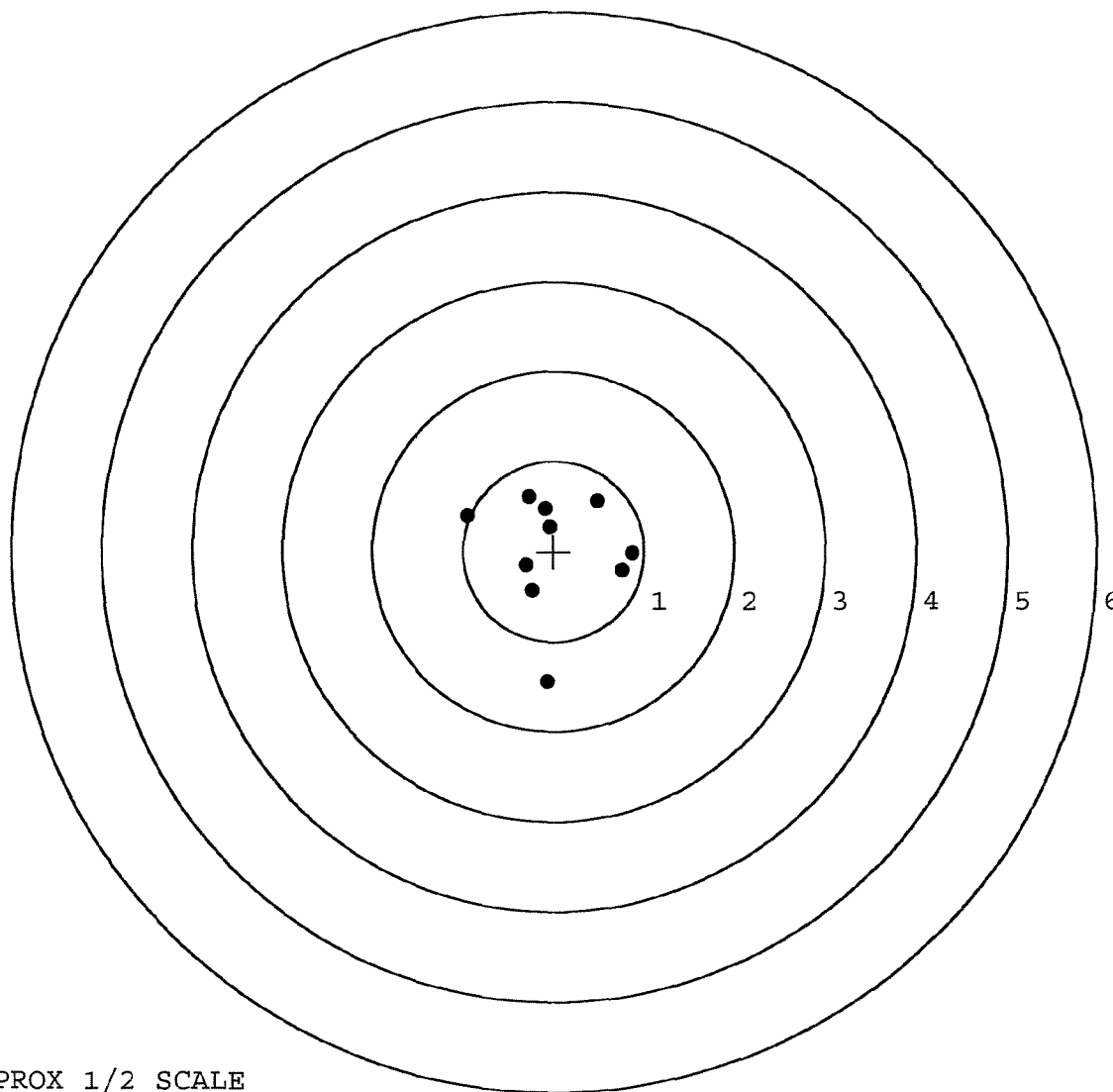
MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.071	-1.448
2:	-0.241	-0.440
3:	-0.309	-0.160
4:	-0.959	0.391
5:	-0.278	0.606
6:	-0.100	0.479
7:	-0.050	0.268
8:	0.754	-0.208
9:	0.867	-0.025
10:	0.485	0.557

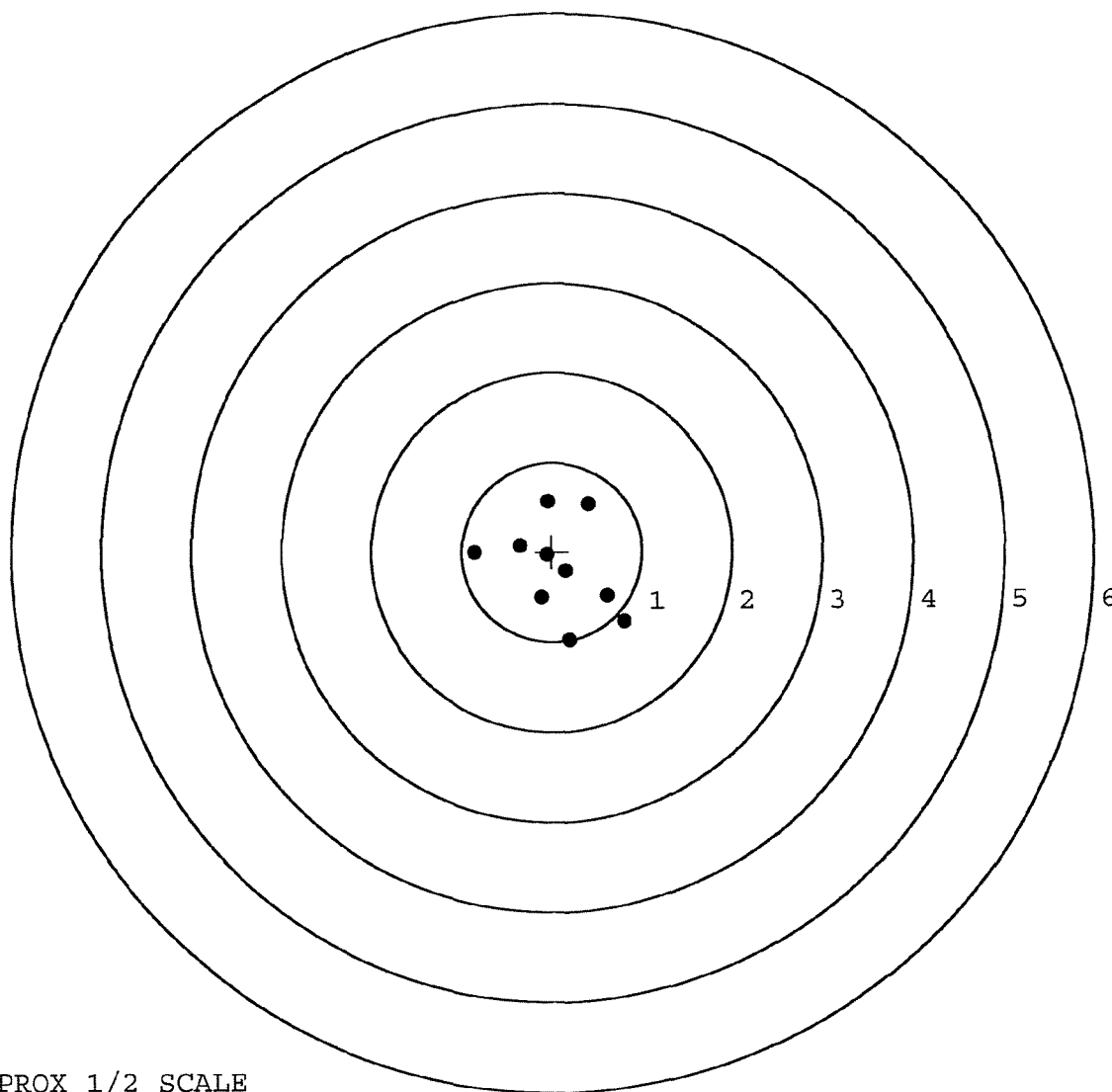


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522256. __0
TARGET NUMBER: 3
FILE DATE: 07/31/2002
FILE TIME: 09:48

X CENTROID: 0.070
Y CENTROID: -0.187
POA TO CENTROID: 0.199
HORZ SPREAD: 1.657
VERT SPREAD: 1.554
GROUP SPREAD: 1.833
MIN RADIUS: 0.086
MAX RADIUS: 0.948
MEAN RADIUS: 0.604
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.058	-0.036
2:	0.798	-0.784
3:	0.609	-0.494
4:	0.188	-0.989
5:	-0.124	-0.518
6:	0.151	-0.215
7:	0.400	0.536
8:	-0.048	0.565
9:	-0.859	-0.001
10:	-0.354	0.070



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522256. __0

TARGET NUMBER: 4

FILE DATE: 07/31/2002

FILE TIME: 09:48

X CENTROID: -0.117

Y CENTROID: -0.121

POA TO CENTROID: 0.168

HORZ SPREAD: 1.327

VERT SPREAD: 1.748

GROUP SPREAD: 1.780

MIN RADIUS: 0.284

MAX RADIUS: 1.174

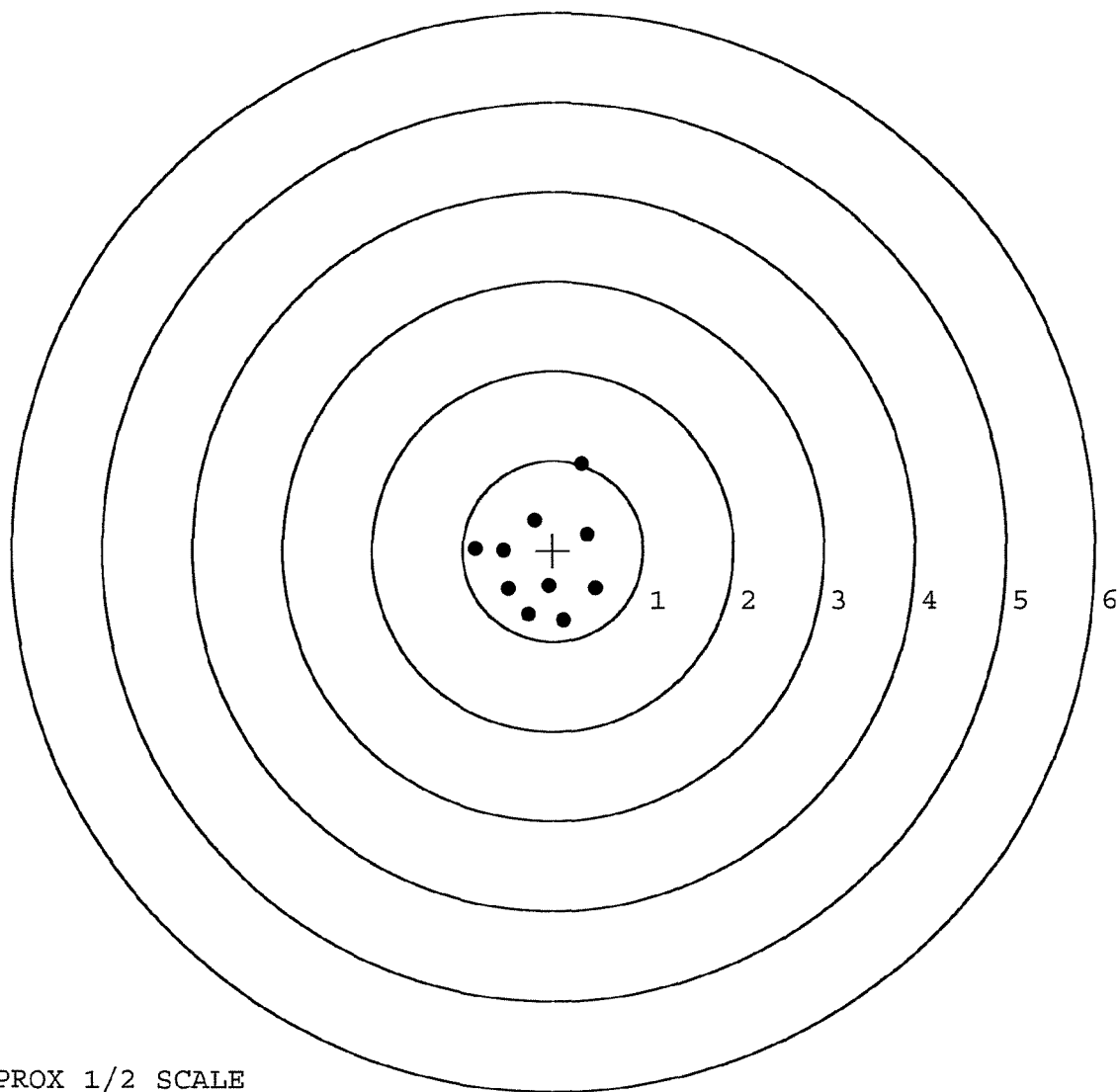
MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.473	-0.415
2:	0.374	0.181
3:	0.315	0.971
4:	-0.211	0.334
5:	-0.854	0.024
6:	-0.551	0.000
7:	-0.497	-0.423
8:	-0.277	-0.708
9:	-0.053	-0.398
10:	0.114	-0.777



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522256. 0

TARGET NUMBER: 5

FILE DATE: 07/31/2002

FILE TIME: 09:48

POINT#	X	Y
1:	0.646	0.075
2:	0.228	0.616
3:	0.031	0.500
4:	-0.015	0.231
5:	-0.759	0.982
6:	-0.781	-0.295
7:	-0.325	-0.597
8:	-0.095	-0.435
9:	0.070	-0.591
10:	0.292	-0.781

X CENTROID: -0.071

Y CENTROID: -0.030

POA TO CENTROID: 0.077

HORZ SPREAD: 1.427

VERT SPREAD: 1.763

GROUP SPREAD: 2.053

MIN RADIUS: 0.266

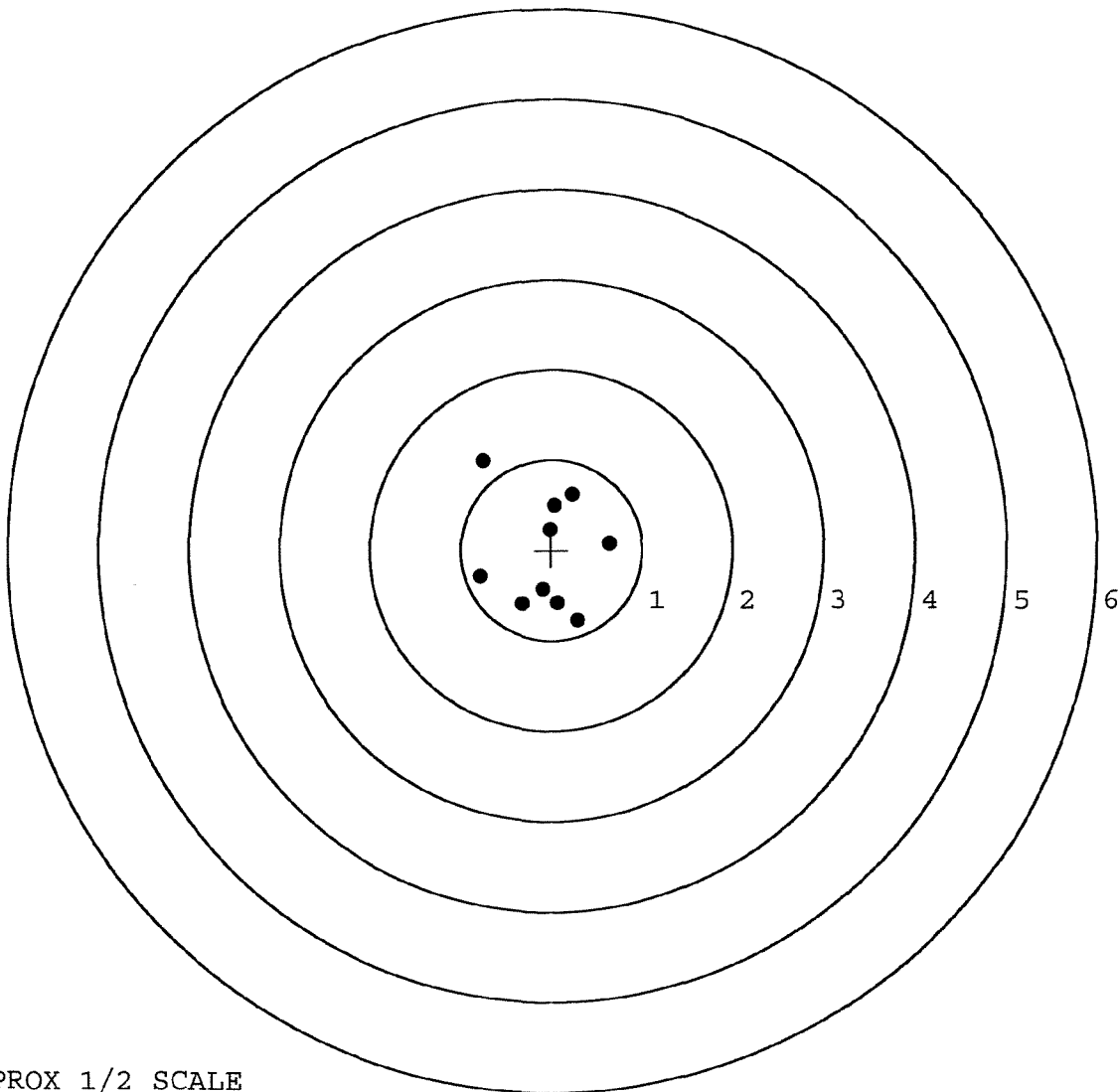
MAX RADIUS: 1.223

MEAN RADIUS: 0.666

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

In: C652-2256

DATE REC'D: 7/9/02

DATE RET'D: 8/1/02

Inspector: RL

Item:

Barrel Assy.

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

Scope Assy.

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

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

Stock Assy.

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

Systems Case

☒ SCOPE CASE☒ INON SIGHTS☒ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

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

MODEL 700™ H24

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

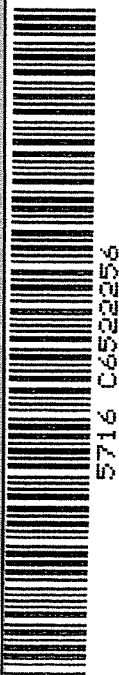
DUPONT
 REG. U.S. PAT. & TM. OFF.

SERIAL NO.
 C6522256

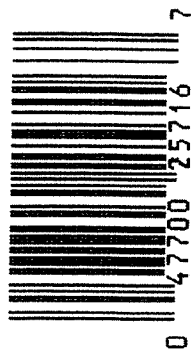
ORDER NO.
 5716

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522256

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/90	Kf
600	Proof		6/26/90	Kf
607	Check Headspace		6/26/90	Kf
610	Dis-assemble Gun		6/24/90	Kf
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	D.S.
617	Drill and Tap Sight Holes		7/11/90	EB
618	Polish Barrel <i>RB</i>		7/13/90	W.B.
620	Apply Coatings (Barrel Action)		7-23-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/4/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/4/90	KS
	C) Inspect Ejector Hole for Chamfer		8/4/90	KS
	D) Oil Firing Pin Ass'y		8/4/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-5-90	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/6/90	SL
	G) Safety Off Force	3	3	3			8/6/90	SL
	H) Trigger Pull Test & Retainability						9-5-90	SL
	I) Firing Pin Indent	.0225	.0225	.0225			8/6/90	SL
	J) Assemble Stock						8/7/90	KS
	K) Assemble Swivel Studs						9/6/90	SL
	L) Attach Front and Rear Sight Assemblies						8/7/90	KS
	M) Iron Sight Alignment						8/7/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/7/90	KS
	O) Attach Scope to Rifle						8/7/90	KS
	P) Detach & Attach Scope 20 Times						8/7/90	KS
640	Gallery Target & Test						8-9-90	NF
	A) Time						8-9-90	NF
	B) Malfunctions						8-9-90	NF
	C) Pierced Primers						8-9-90	NF
	D) Optical Clarity of Scope						8-9-90	NF
645	Inspect for Live Ammo						8-9-90	NF
655	Final Inspection							
	A) Headspace						9/6/90	SL
	B) Trigger Pull	2.35	2.28	2.34	2.31	2.31	9-5-90	SL
	C) Function						9/6/90	SL
660	Pack						9/20/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522256

DATE 9-5-90

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.25	2.36	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.20	2.21	2.28	
PULL #3	2.50	2.12	2.22	2.34	
PULL #4	2.18	2.19	2.17	2.31	
PULL #5	2.33	2.18	2.31	2.31	
TOTAL	11.94	10.94	11.27	11.59	
AVG.	2.388	2.188	2.254	2.318	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.27		
PULL #2	3.32	3.27		
PULL #3	3.28	3.29		
PULL #4	3.30	3.29		
PULL #5	3.28	3.31		
TOTAL	16.39	16.43		
AVG.	3.278	3.286		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.17		4.19
PULL #2	4.25	4.21		4.20
PULL #3	4.19	4.20		4.22
PULL #4	4.16	4.22		4.24
PULL #5	4.19	4.22		4.19
TOTAL	21.01	21.02		21.04
AVG.	4.202	4.204		4.208

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522256
9 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	1.42244
1 TO	2	1.20712
1 TO	3	1.06999
1 TO	4	.950877
1 TO	5	.626623

+ <----POR
24
3 5 1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.376
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.0172
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.08447
THE AMR FOR THIS RIFLE IS: .7886

9 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522256

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 5

2 in = 9

3 in = 10

HS= 1.608

VS= 2.086

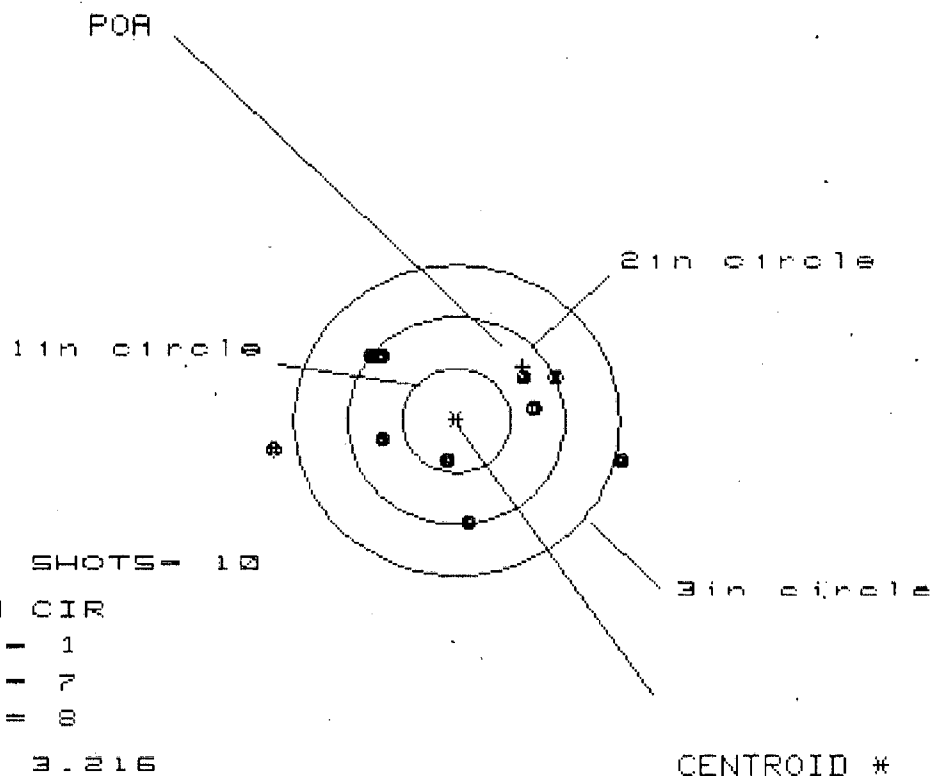
GS= 2.086

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.822	.834	.842
MINIMUM X	-.786	-.774	-.765
MAXIMUM Y	1.145	.835	.734
MINIMUM Y	-.941	-.814	-.390
CENTROID X	.209	.197	.189
CENTROID Y	-1.407	-1.534	-1.433
POA TO CENTROID in.	1.423	1.547	1.445
MIN RADIUS	.283	.217	.304
MEAN RADIUS	.638	.566	.533
MAX RADIUS	1.150	.849	.867
HORIZONTAL SPREAD	1.608	1.608	1.608
VERTICAL SPREAD	2.086	1.649	1.124
EXTREME SPREAD	2.086	1.664	1.619
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522256

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 3.216

VS= 1.585

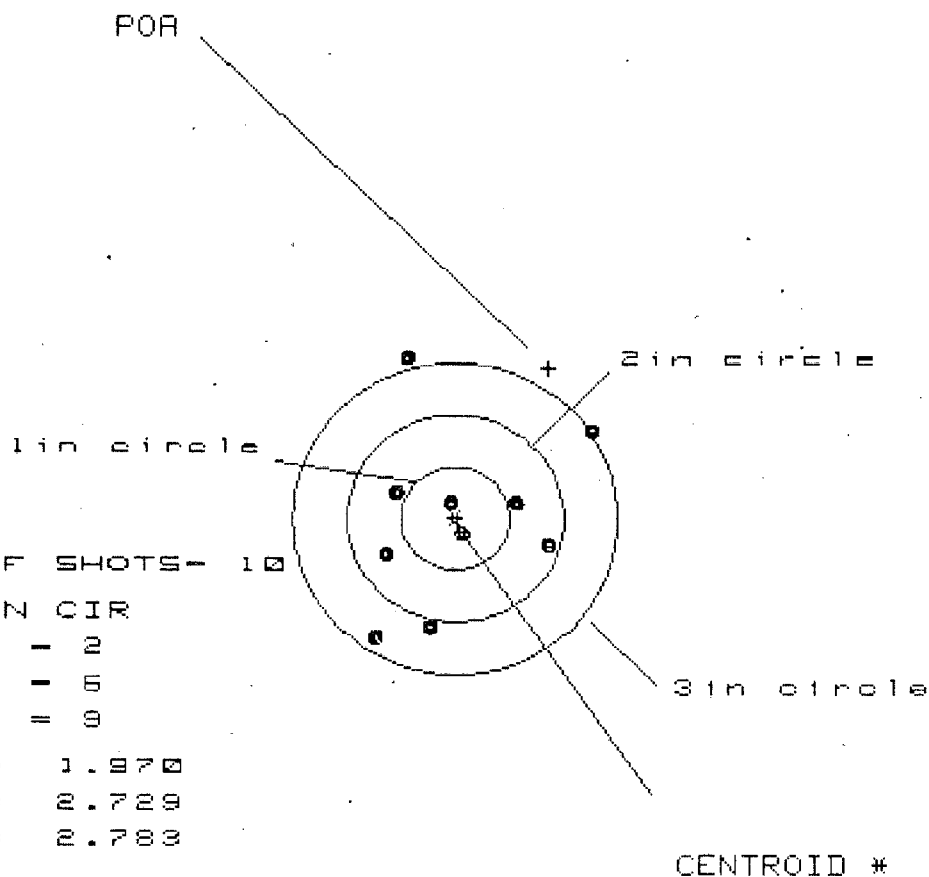
GS= 3.218

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.546	1.360	.930
MINIMUM X	:	-1.670	-.926	-.756
MAXIMUM Y	:	.653	.620	.565
MINIMUM Y	:	-.932	-.965	-1.020
CENTROID X	:	-.613	-.427	-.597
CENTROID Y	:	-.523	-.490	-.435
POA TO CENTROID in.	:	.805	.650	.739
MIN RADIUS	:	.422	.509	.511
MEAN RADIUS	:	.973	.880	.805
MAX RADIUS	:	1.697	1.428	1.023
HORIZONTAL SPREAD	:	3.216	2.286	1.686
VERTICAL SPREAD	:	1.585	1.585	1.585
EXTREME SPREAD	:	3.218	2.486	1.772
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522256

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 1.970

VS = 2.729

GS = 2.783

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.218	1.165	.951
MINIMUM X	:	-.752	-.805	-.660
MAXIMUM Y	:	1.588	1.001	.552
MINIMUM Y	:	-1.141	-.965	-.839
CENTROID X	:	-.860	-.807	-.952
CENTROID Y	:	-1.453	-1.629	-1.755
POA TO CENTROID in.:	:	1.688	1.818	1.996
MIN RADIUS	:	.162	.065	.257
MEAN RADIUS	:	.874	.779	.698
MAX RADIUS	:	1.658	1.536	1.068
HORIZONTAL SPREAD	:	1.970	1.970	1.611
VERTICAL SPREAD	:	2.729	1.966	1.391
EXTREME SPREAD	:	2.783	2.783	1.849
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522256

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 9

3in = 9

HS = 2.392

VS = 1.274

GS = 2.465

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.824	.649	.726
MINIMUM X	-1.568	-.654	-.578
MAXIMUM Y	.664	.679	.604
MINIMUM Y	-.610	-.595	-.565
CENTROID X	-.269	-.094	-.170
CENTROID Y	-.585	-.600	-.525
POA TO CENTROID in.	.644	.607	.552
MIN RADIUS	.185	.314	.300
MEAN RADIUS	.722	.623	.590
MAX RADIUS	1.574	.942	.836
HORIZONTAL SPREAD	2.392	1.303	1.303
VERTICAL SPREAD	1.274	1.274	1.169
EXTREME SPREAD	2.465	1.794	1.355
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522256

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.478

VS= 2.177

GS= 2.183

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.913	.875	.807
MINIMUM X	-.565	-.603	-.671
MAXIMUM Y	1.003	.872	.965
MINIMUM Y	-1.174	-.564	-.455
CENTROID X	-.347	-.309	-.241
CENTROID Y	-1.118	-.987	-1.096
POA TO CENTROID in.	1.170	1.035	1.122
MIN RADIUS	.293	.366	.321
MEAN RADIUS	.736	.687	.622
MAX RADIUS	1.223	1.029	1.012
HORIZONTAL SPREAD	1.478	1.478	1.478
VERTICAL SPREAD	2.177	1.436	1.420
EXTREME SPREAD	2.183	1.706	1.561
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	