

C6522196

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington




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

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

MODEL 700™ H24

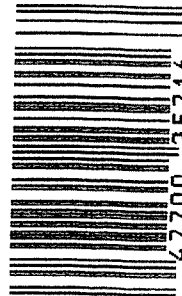
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

SERIAL NO.
C6522196

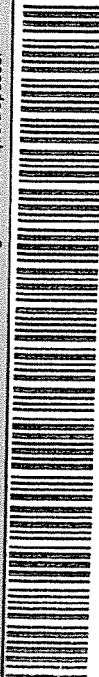
ORDER NO.
5716

Q1

UPC



0 47700 25716 7



5716 C6522196

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522196
4 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.75295
1 TO	2	.678458
1 TO	3	.684901
1 TO	4	.431372
1 TO	5	.556174

1 ~~48~~ <----POA

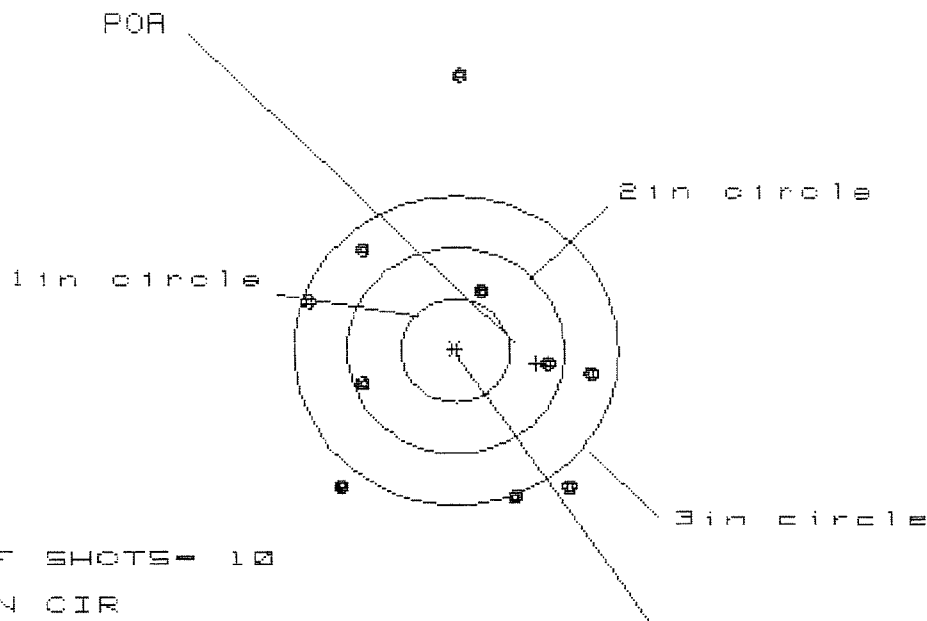
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2824
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2106
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .352281

THE AMR FOR THIS RIFLE IS: 1.119

4 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522196

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 2.560

VS= 4.084

GS= 4.219

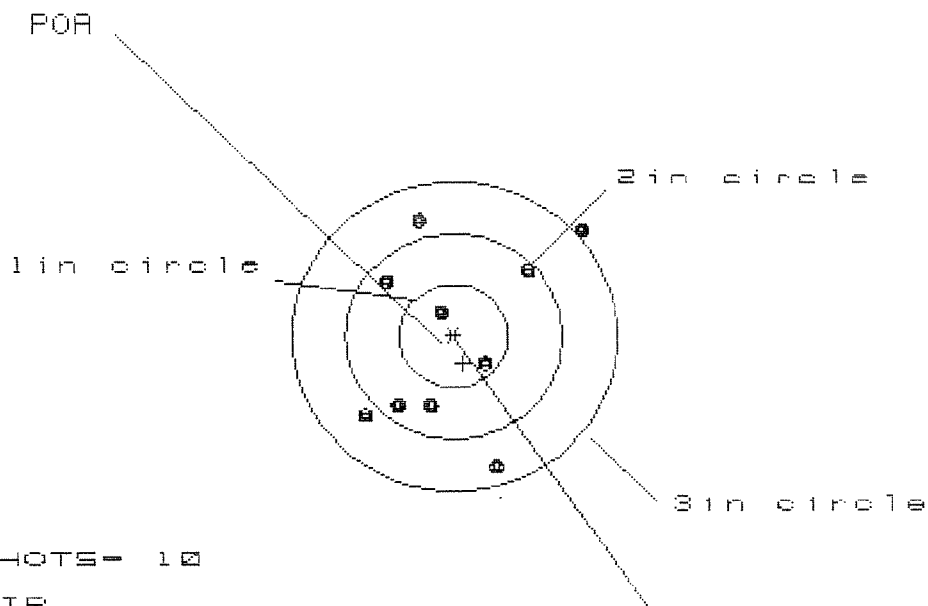
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.230	1.238	1.101
MINIMUM X	:	-1.330	-1.322	-1.459
MAXIMUM Y	:	2.686	1.287	1.154
MINIMUM Y	:	-1.398	-1.099	-1.232
CENTROID X	:	-.743	-.751	-.614
CENTROID Y	:	.122	-.177	-.044
POA TO CENTROID in.	:	.753	.772	.616
MIN RADIUS	:	.619	.805	.725
MEAN RADIUS	:	1.395	1.238	1.176
MAX RADIUS	:	2.687	1.530	1.589
HORIZONTAL SPREAD	:	2.560	2.560	2.560
VERTICAL SPREAD	:	4.084	2.386	2.386
EXTREME SPREAD	:	4.219	2.982	2.982
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.046

VS= 2.493

GS= 2.753

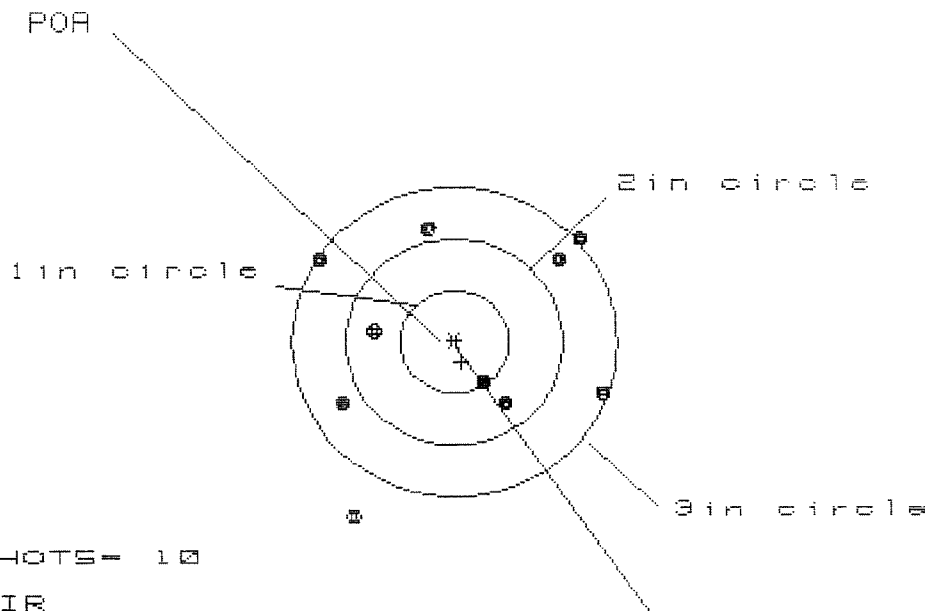
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.228	.843	.905
MINIMUM X	:	-.819	-.682	-.620
MAXIMUM Y	:	1.179	1.293	1.143
MINIMUM Y	:	-1.314	-1.200	-.849
CENTROID X	:	-.088	-.217	-.279
CENTROID Y	:	.266	.152	.302
POA TO CENTROID in.	:	.278	.265	.411
MIN RADIUS	:	.294	.390	.266
MEAN RADIUS	:	.917	.827	.762
MAX RADIUS	:	1.602	1.312	1.154
HORIZONTAL SPREAD	:	2.046	1.525	1.525
VERTICAL SPREAD	:	2.493	2.493	1.992
EXTREME SPREAD	:	2.753	2.594	2.091
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.570

VS= 2.850

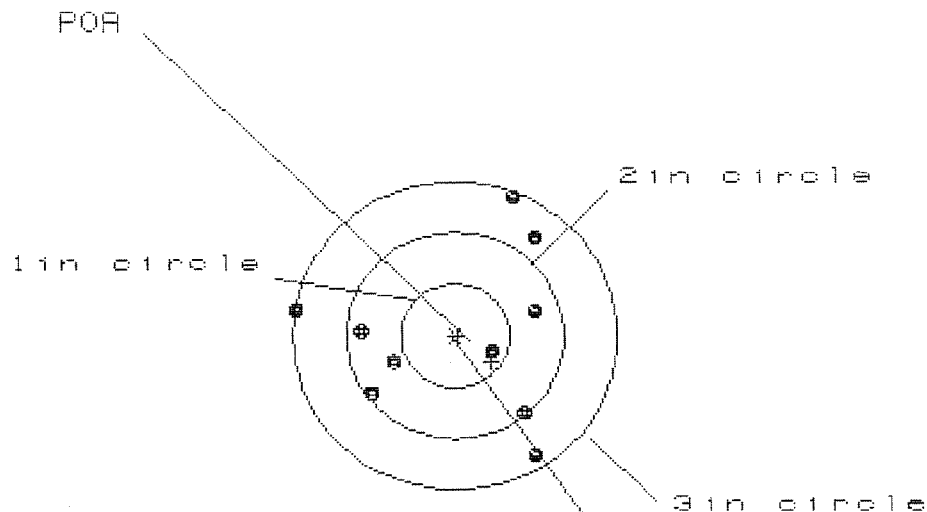
GS= 3.408

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.378	1.274	1.402
MINIMUM X	:	-1.192	-1.296	-1.168
MAXIMUM Y	:	1.129	.938	1.037
MINIMUM Y	:	-1.721	-.775	-.676
CENTROID X	:	-.062	.042	-.086
CENTROID Y	:	.195	.386	.287
POA TO CENTROID in.	:	.204	.388	.300
MIN RADIUS	:	.496	.633	.588
MEAN RADIUS	:	1.194	1.104	1.063
MAX RADIUS	:	1.961	1.468	1.538
HORIZONTAL SPREAD	:	2.570	2.570	2.570
VERTICAL SPREAD	:	2.850	1.713	1.713
EXTREME SPREAD	:	3.408	2.916	2.916
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.248

VS= 2.541

GS= 2.693

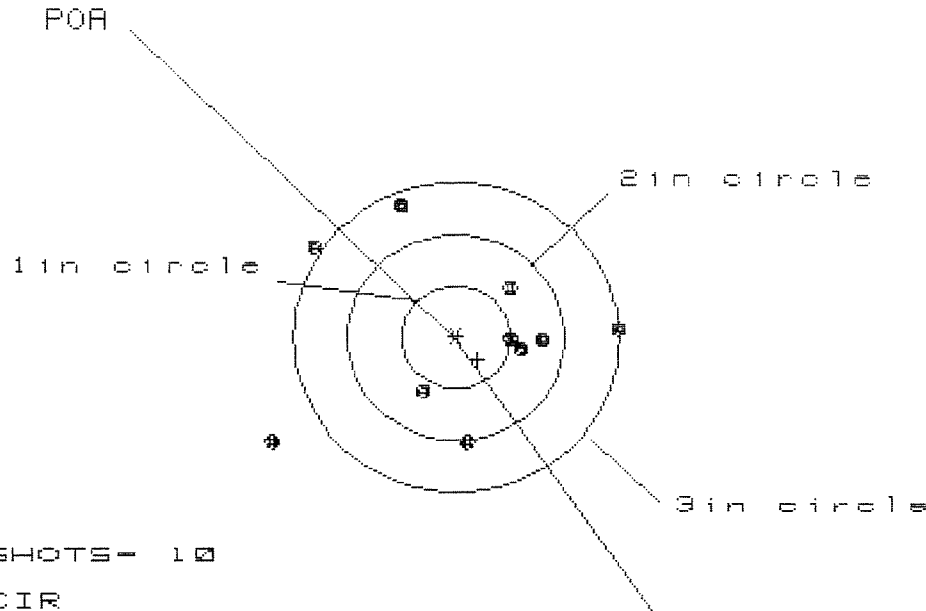
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.768	.603	.650
MINIMUM X	:	-1.480	-1.069	-1.022
MAXIMUM Y	:	1.352	1.385	1.170
MINIMUM Y	:	-1.189	-1.156	-.983
CENTROID X	:	-.332	-.167	-.214
CENTROID Y	:	.253	.220	.047
POA TO CENTROID in.	:	.417	.277	.219
MIN RADIUS	:	.350	.200	.186
MEAN RADIUS	:	1.020	.946	.866
MAX RADIUS	:	1.509	1.434	1.322
HORIZONTAL SPREAD	:	2.248	1.672	1.672
VERTICAL SPREAD	:	2.541	2.541	2.153
EXTREME SPREAD	:	2.693	2.551	2.153
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 3.235

VS= 2.321

GS= 3.397

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.533	1.344	1.157
MINIMUM X	:	-1.702	-1.496	-.925
MAXIMUM Y	:	1.264	1.156	1.259
MINIMUM Y	:	-1.057	-1.165	-1.062
CENTROID X	:	-.195	-.006	.181
CENTROID Y	:	.217	.325	.222
POA TO CENTROID in.	:	.292	.325	.287
MIN RADIUS	:	.462	.303	.090
MEAN RADIUS	:	1.067	.914	.739
MAX RADIUS	:	1.961	1.707	1.562
HORIZONTAL SPREAD	:	3.235	2.840	2.082
VERTICAL SPREAD	:	2.321	2.321	2.321
EXTREME SPREAD	:	3.397	2.970	2.404
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

MOD. _____		GA. CAL. _____	GUN # _____
#	DATE	C6527196	
TEST		MALFUNCTION/DEFECT	ASSEM. #
	1st	shure + brass	
9/4/90			
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

SWS TRIGGER PULL TEST

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

SERIAL NO. 06522196

DATE 8/30/90

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.39	2.28	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.46	2.27	2.46	
PULL #3	2.46	2.37	2.14	2.54	
PULL #4	2.29	2.27	2.19	2.47	
PULL #5	2.27	2.35	2.23	2.49	
TOTAL	11.86	11.84	11.11	12.46	
AVG.	2.372	2.368	2.222	2.492	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.07		
PULL #2	3.22	3.11		
PULL #3	3.29	3.23		
PULL #4	3.19	3.21		
PULL #5	3.14	3.03		
TOTAL	15.96	15.65		
AVG.	3.192	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.41		4.21
PULL #2	4.13	4.19		4.33
PULL #3	4.47	4.19		4.44
PULL #4	4.38	4.22		4.38
PULL #5	4.35	4.08		4.20
TOTAL	21.81	21.09		21.56
AVG.	4.362	4.218		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522196

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	G.S.
617	Drill and Tap Sight Holes		8/10/90	F.B.
618	Polish Barrel WB		8/17/90	WB
620	Apply Coatings (Barrel Action)		8/24/90	XX
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/90	FL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/30/90	WLB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			8/30/90	WLB
	H) Trigger Pull Test & Retainability						8/30/90	84
	I) Firing Pin Indent	.0225	.023	.0225			8/30/90	WLB
	J) Assemble Stock						8/31/90	RW
	K) Assemble Swivel Studs						9/6/90	WLB
	L) Attach Front and Rear Sight Assemblies						8/31/90	RW
	M) Iron Sight Alignment						8/31/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/31/90	RW
	O) Attach Scope to Rifle						8/31/90	RW
	P) Detach & Attach Scope 20 Times						8/31/90	RW
640	Gallery Target & Test						9-4-90	A
	A) Time						9-4-90	A
	B) Malfunctions						9-4-90	A
	C) Pierced Primers						9-4-90	A
	D) Optical Clarity of Scope						9-4-90	A
645	Inspect for Live Ammo						9-4-90	A
655	Final Inspection							
	A) Headspace						9/6/90	WLB
	B) Trigger Pull	2.50	2.46	2.54	2.47	2.49	9-5-90	84
	C) Function						9/6/90	WLB
660	Pack						9/29/90	WLB