

C6498796

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington®



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

MODEL 700™ H24

SERIAL NO.

C6498796

ORDER NO.

5716

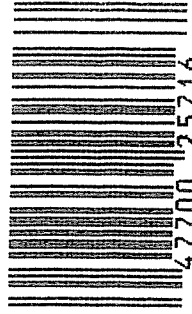
01

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



5716 C6498796

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498796

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	6 29	90	RW
610	Dis-assemble Gun	6 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	G.S.
617	Drill and Tap Sight Holes		7/13/90	KB
618	Polish Barrel <i>KB</i>		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/18/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4			8/18/90	WB
	G) Safety Off Force	2 1/4	2	2			8/18/90	WB
	H) Trigger Pull Test & Retainability						8/18/90	WB
	I) Firing Pin Indent	.0225	.023	.0225			8/18/90	WB
	J) Assemble Stock						8/23/90	RW
	K) Assemble Swivel Studs						8/31/90	QB
	L) Attach Front and Rear Sight Assemblies						8/23/90	RW
	M) Iron Sight Alignment						8/23/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/23/90	RW
	O) Attach Scope to Rifle						8/23/90	RW
	P) Detach & Attach Scope 20 Times						8/23/90	RW
640	Gallery Target & Test						8/23/90	NF
	A) Time						8/23/90	NF
	B) Malfunctions						8/23/90	NF
	C) Pierced Primers						8/23/90	NF
	D) Optical Clarity of Scope						8/23/90	NF
645	Inspect for Live Ammo						8/23/90	NF
655	Final Inspection							
	A) Headspace						8/31/90	QB
	B) Trigger Pull	2.27	2.30	2.22	2.27	2.22	8/31/90	QB
	C) Function						8/31/90	QB
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. C6498796
DATE Aug 18, 1990
TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	³ 2.66	² 2.64	² 2.52	¹ 2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.63	2.49	2.30	
PULL #3	2.46	2.66	2.57	2.22	
PULL #4	2.75	2.71	2.69	2.27	
PULL #5	2.85	2.66	2.61	2.22	
TOTAL	13.40	13.30	12.88	11.28	
AVG.	2.68	2.60	2.57	2.256	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	³ 3.76 3.40	³ 3.14		
PULL #2	3.12	3.18		
PULL #3	3.14	3.19		
PULL #4	3.09	3.07		
PULL #5	3.11	3.12		
TOTAL	15.62	15.70		
AVG.	3.12	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	³ 4.27	² 4.19		³ 4.29
PULL #2	4.12	4.07		4.44
PULL #3	4.30	4.33		4.39
PULL #4	4.36	4.21		4.45
PULL #5	4.33	4.39		4.48
TOTAL	21.38	21.19		22.05
AVG.	4.27	4.24		4.41

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498796
24 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.518684
1 TO	2	.656948
1 TO	3	.340812
1 TO	4	1.17039
1 TO	5	.309231

4
+2 <----POA
15
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.041
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2226
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .226344

THE AMR FOR THIS RIFLE IS: .7716

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B796

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 2.055

VS= 1.739

GS= 2.056

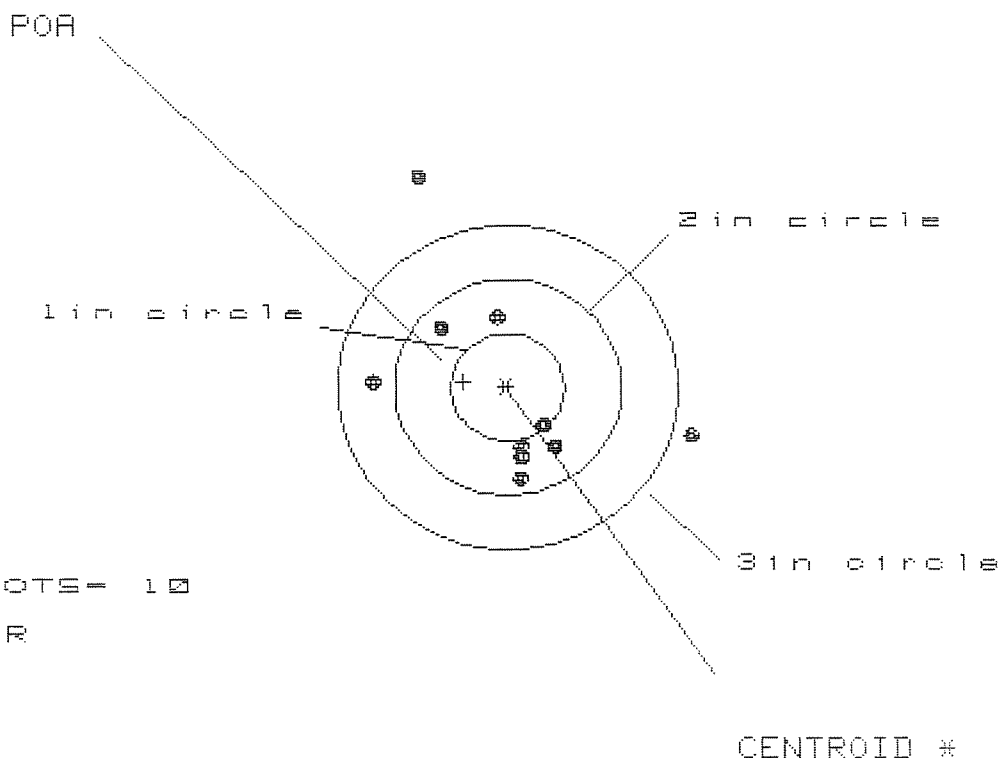
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.698	.547	.500
MINIMUM X	:	-1.357	-.375	-.320
MAXIMUM Y	:	.791	.775	.654
MINIMUM Y	:	-.948	-.964	-.376
CENTROID X	:	-.083	.068	.115
CENTROID Y	:	-.512	-.496	-.375
POA TO CENTROID in.	:	.519	.500	.392
MIN RADIUS	:	.193	.171	.120
MEAN RADIUS	:	.614	.511	.448
MAX RADIUS	:	1.365	1.034	.706
HORIZONTAL SPREAD	:	2.055	.922	.820
VERTICAL SPREAD	:	1.739	1.739	1.030
EXTREME SPREAD	:	2.056	1.769	1.170
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 2.799

VS= 2.738

GS= 3.358

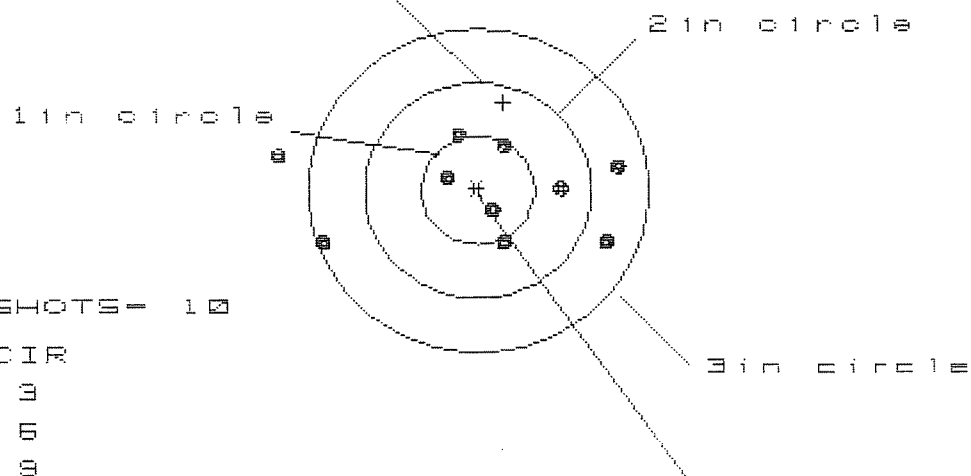
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.583	1.495	.490
MINIMUM X	:	-1.216	-1.304	-1.118
MAXIMUM Y	:	1.923	.913	.885
MINIMUM Y	:	-.815	-.601	-.629
CENTROID X	:	.387	.475	.289
CENTROID Y	:	-.053	-.267	-.238
POA TO CENTROID in.	:	.390	.545	.374
MIN RADIUS	:	.447	.259	.365
MEAN RADIUS	:	.948	.749	.680
MAX RADIUS	:	2.083	1.512	1.134
HORIZONTAL SPREAD	:	2.799	2.799	1.608
VERTICAL SPREAD	:	2.738	1.514	1.514
EXTREME SPREAD	:	3.358	2.835	1.685
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 3.018

VS= 1.030

GS= 3.085

CENTROID #

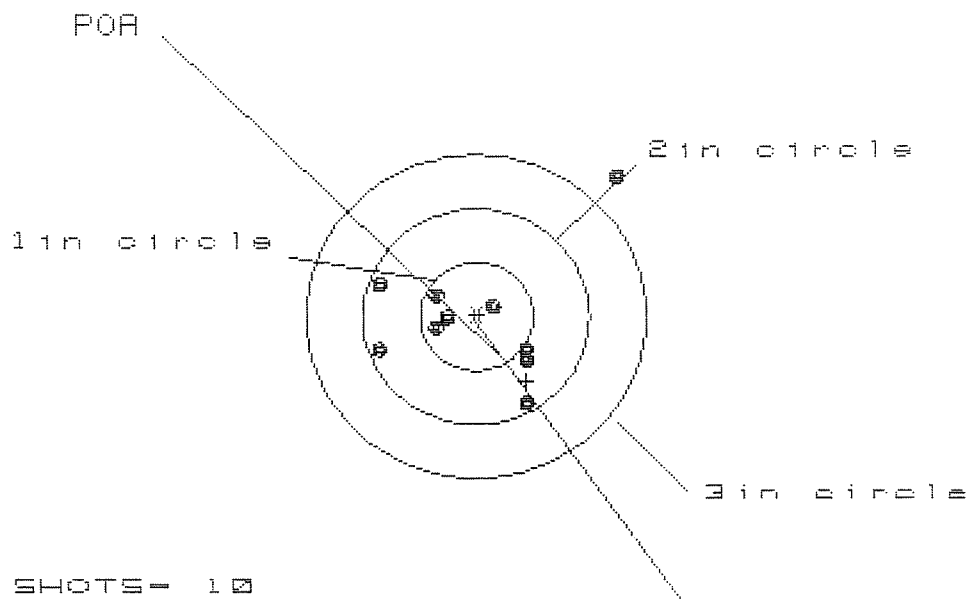
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.203	1.001	.800
MINIMUM X	:	-1.815	-1.608	-.643
MAXIMUM Y	:	.532	.573	.516
MINIMUM Y	:	-.498	-.457	-.512
CENTROID X	:	-.231	-.029	.172
CENTROID Y	:	-.819	-.860	-.803
POA TO CENTROID in.	:	.851	.860	.821
MIN RADIUS	:	.245	.187	.348
MEAN RADIUS	:	.866	.732	.609
MAX RADIUS	:	1.852	1.672	.884
HORIZONTAL SPREAD	:	3.018	2.609	1.443
VERTICAL SPREAD	:	1.030	1.030	1.028
EXTREME SPREAD	:	3.085	2.695	1.667
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 9

3 in = 9

HS= 2.141

VS= 2.059

GS= 2.651

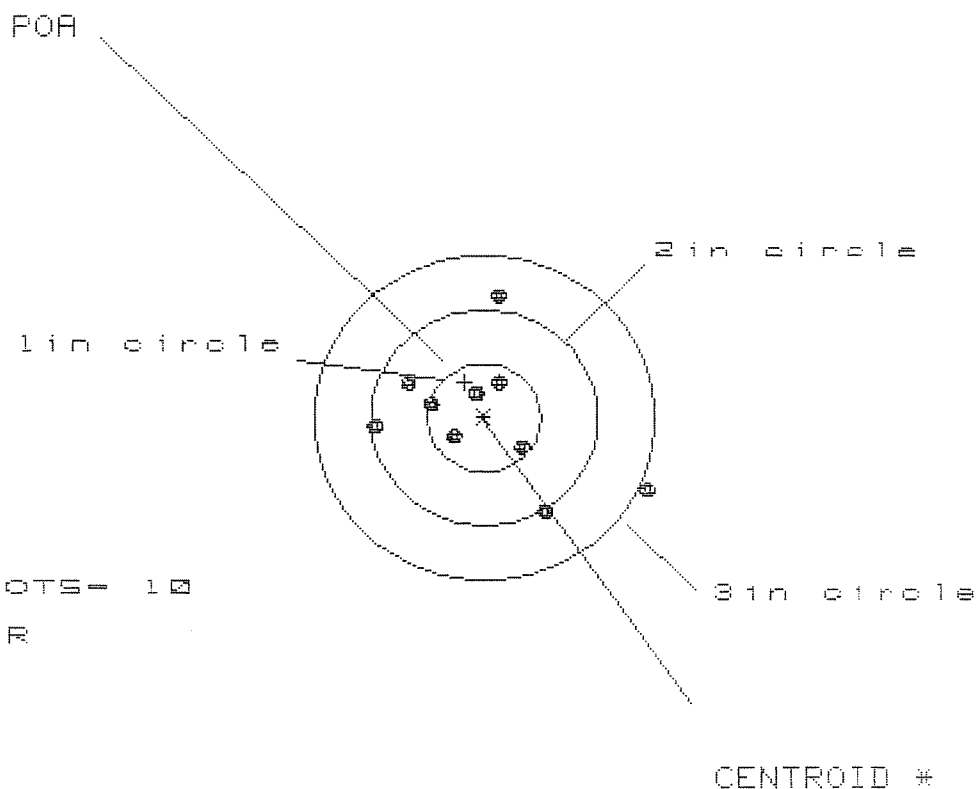
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.250	.631	.537
MINIMUM X	:	-.891	-.753	-.789
MAXIMUM Y	:	1.271	.423	.404
MINIMUM Y	:	-.788	-.647	-.666
CENTROID X	:	-.445	-.583	-.489
CENTROID Y	:	.601	.460	.479
FOR TO CENTROID in.	:	.748	.743	.685
MIN RADIUS	:	.178	.165	.216
MEAN RADIUS	:	.690	.548	.519
MAX RADIUS	:	1.782	.859	.886
HORIZONTAL SPREAD	:	2.141	1.384	1.326
VERTICAL SPREAD	:	2.059	1.070	1.070
EXTREME SPREAD	:	2.651	1.652	1.652
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.379

VS= 2.025

GS= 2.455

PATTERN #	:	5	.
SHOTS (BEST OF)	:	10	9
MAXIMUM X	:	1.392	.705
MINIMUM X	:	-.987	-.833
MAXIMUM Y	:	1.145	1.066
MINIMUM Y	:	-.880	-.959
CENTROID X	:	.167	.013
CENTROID Y	:	-.330	-.251
POA TO CENTROID in.	:	.370	.251
MIN RADIUS	:	.265	.168
MEAN RADIUS	:	.740	.613
MAX RADIUS	:	1.565	1.191
HORIZONTAL SPREAD	:	2.379	1.538
VERTICAL SPREAD	:	2.025	2.025
EXTREME SPREAD	:	2.455	2.066
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	