

C6587700

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.
MODEL 700™ H24		SERIAL NO. C6587700
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716
01		
 5716 C6587700		

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587700

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/8/90	KL
600	Proof		10/8/90	KL
607	Check Headspace		10/8/90	KL
610	Dis-assemble Gun		10/8/90	KL
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	JB
617	Drill and Tap Sight Holes		10/23/90	KB
618	Polish Barrel RB		10/24/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		11/7/90	KS
	A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/24/90	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			11/24/90	WB
	G) Safety Off Force	2	2	2			11/24/90	WB
	H) Trigger Pull Test & Retainability						11/24/90	JH
	I) Firing Pin Indent	.0205	.020	.0205			11/24/90	WB
	J) Assemble Stock						11/24/90	KS
	K) Assemble Swivel Studs						11-28-90	JS
	L) Attach Front and Rear Sight Assemblies						11/24/90	KS
	M) Iron Sight Alignment						11/24/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/24/90	KS
	O) Attach Scope to Rifle						11/24/90	KS
	P) Detach & Attach Scope 20 Times						11/24/90	KS
640	Gallery Target & Test						11-27-90	AC
	A) Time						11-27-90	AC
	B) Malfunctions						11-27-90	AC
	C) Pierced Primers						11-27-90	AC
	D) Optical Clarity of Scope						11-27-90	AC
645	Inspect for Live Ammo						11-27-90	AC
655	Final Inspection							
	A) Headspace						11-28-90	JS
	B) Trigger Pull	288	274	286	290	274	11-28-90	JS
	C) Function						11-28-90	JS
660	Pack						12-17-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO 06587700DATE 11-26-90TESTER JLP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.23	2.34	2.88	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.23	2.34	2.74	
PULL #3	2.31	2.23	2.31	2.86	
PULL #4	2.36	2.34	2.34	2.90	
PULL #5	2.37	2.27	2.37	2.74	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.44		
PULL #2	3.42	3.45		
PULL #3	3.44	3.45		
PULL #4	3.45	3.46		
PULL #5	3.41	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.28		4.19
PULL #2	4.23	4.24		4.17
PULL #3	4.25	4.29		4.27
PULL #4	4.30	4.27		4.27
PULL #5	4.24	4.24		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587700
27 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.18685
1 TO	2	.2768
1 TO	3	.281455
1 TO	4	.569036
1 TO	5	.168656

4.2 $\leftarrow$ ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0932
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0146
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0943366

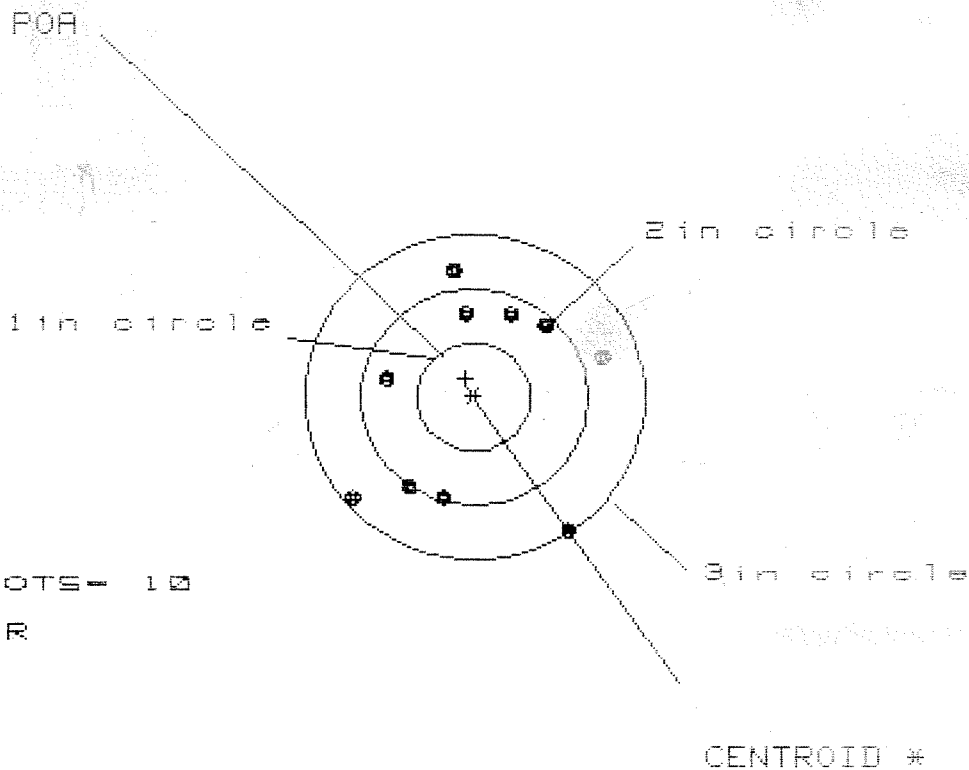
THE AMR FOR THIS RIFLE IS: 1.035

27 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587780

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.204

VS= 2.450

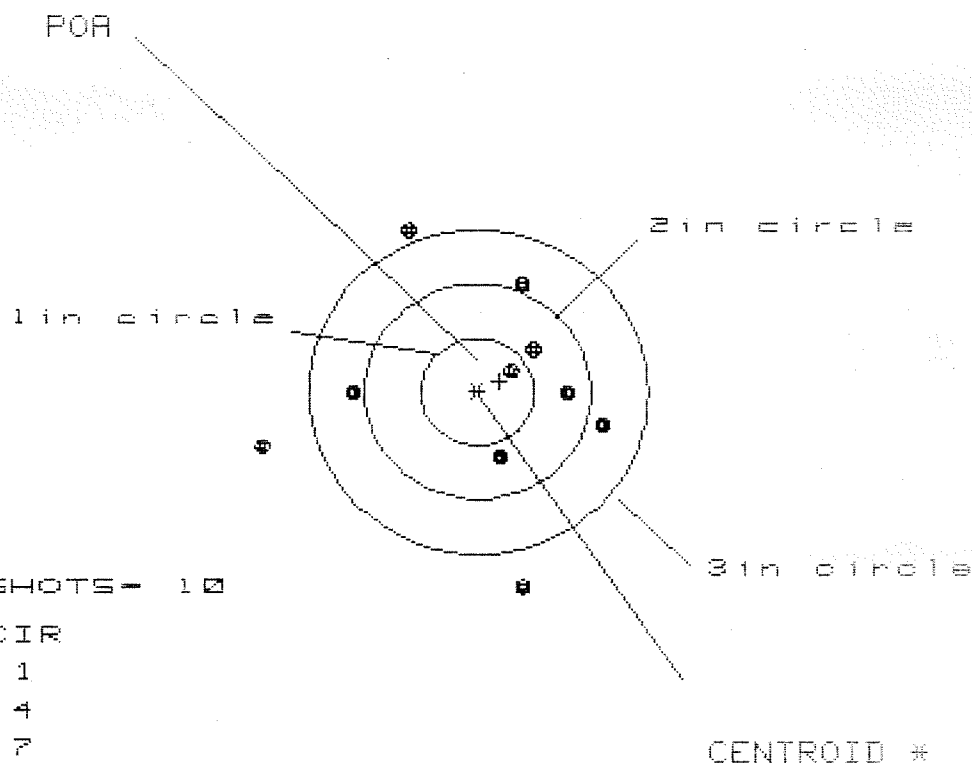
GS= 2.650

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.145	1.242	1.121
MINIMUM X	:	-1.059	-.962	-.842
MAXIMUM Y	:	1.217	1.080	.946
MINIMUM Y	:	-1.233	-1.091	-1.225
CENTROID X	:	.073	-.024	.097
CENTROID Y	:	-.172	-.035	.099
POA TO CENTROID in.	:	.186	.042	.138
MIN RADIUS	:	.815	.684	.560
MEAN RADIUS	:	1.072	1.000	.909
MAX RADIUS	:	1.508	1.439	1.275
HORIZONTAL SPREAD	:	2.204	2.204	1.963
VERTICAL SPREAD	:	2.450	2.171	2.171
EXTREME SPREAD	:	2.650	2.552	2.174
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.979

VS= 3.283

GS= 3.429

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	.880	.899
MINIMUM X	:	-1.889	-1.354	-1.335
MAXIMUM Y	:	1.500	1.446	1.217
MINIMUM Y	:	-1.783	-1.837	-.875
CENTROID X	:	-.194	.016	-.003
CENTROID Y	:	-.099	-.045	.184
POA TO CENTROID in.	:	.218	.048	.184
MIN RADIUS	:	.400	.207	.156
MEAN RADIUS	:	1.125	.970	.840
MAX RADIUS	:	1.950	1.843	1.468
HORIZONTAL SPREAD	:	2.979	2.234	2.234
VERTICAL SPREAD	:	3.283	3.283	2.092
EXTREME SPREAD	:	3.429	3.429	2.509
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 5

2 in = 8

3 in = 9

HS= 2.711

VS= 1.668

GS= 2.769

CENTROID #

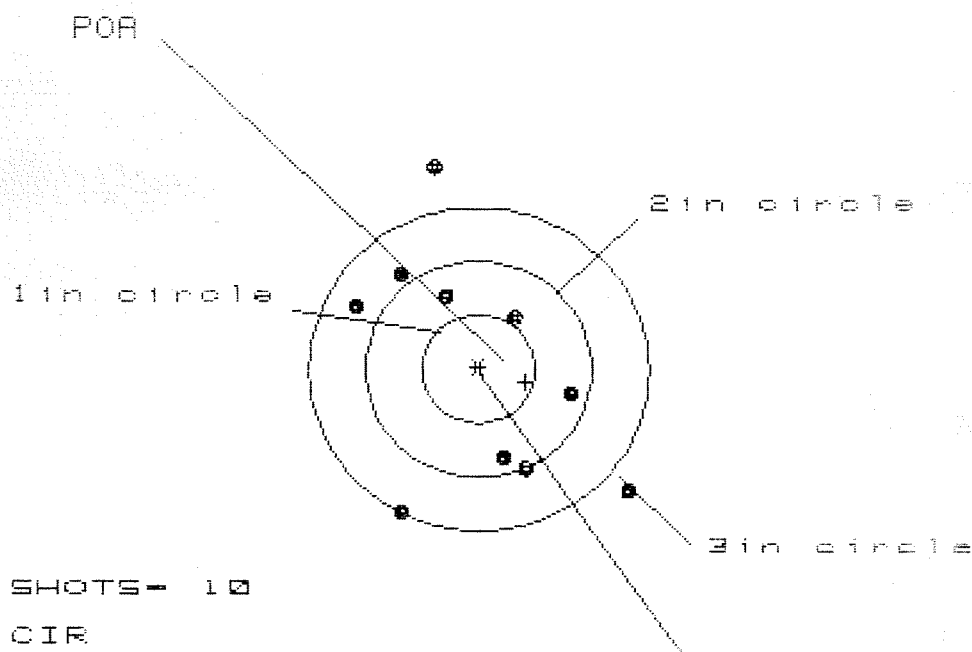
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.902	.795	.731
MINIMUM X	:	-.809	-.598	-.662
MAXIMUM Y	:	.928	1.029	.639
MINIMUM Y	:	-.740	-.639	-.510
CENTROID X	:	.089	-.122	-.058
CENTROID Y	:	.109	.008	-.121
POA TO CENTROID in.	:	.141	.122	.134
MIN RADIUS	:	.317	.109	.096
MEAN RADIUS	:	.755	.528	.430
MAX RADIUS	:	2.109	1.149	.920
HORIZONTAL SPREAD	:	2.711	1.393	1.393
VERTICAL SPREAD	:	1.668	1.668	1.149
EXTREME SPREAD	:	2.769	1.783	1.557
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.378

VS= 3.217

GS= 3.397

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.288	1.248	.956
MINIMUM X	:	-1.090	-1.130	-.974
MAXIMUM Y	:	1.871	1.096	.985
MINIMUM Y	:	-1.346	-1.139	-1.250
CENTROID X	:	-.416	-.376	-.532
CENTROID Y	:	.119	-.088	.023
POA TO CENTROID in.	:	.433	.386	.532
MIN RADIUS	:	.573	.625	.722
MEAN RADIUS	:	1.145	1.049	.988
MAX RADIUS	:	1.905	1.533	1.394
HORIZONTAL SPREAD	:	2.378	2.378	1.930
VERTICAL SPREAD	:	3.217	2.235	2.235
EXTREME SPREAD	:	3.397	2.885	2.236
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

27 May 1998

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 7

HS= 3.084

VS= 2.845

GS= 3.671

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.997	.765	.729
MINIMUM X	:	-2.087	-1.158	-1.063
MAXIMUM Y	:	1.512	1.585	1.427
MINIMUM Y	:	-1.333	-1.260	-.973
CENTROID X	:	-.018	.214	.119
CENTROID Y	:	-.030	-.103	.055
POA TO CENTROID in.	:	.035	.238	.131
MIN RADIUS	:	.254	.309	.396
MEAN RADIUS	:	1.078	.914	.857
MAX RADIUS	:	2.189	1.613	1.442
HORIZONTAL SPREAD	:	3.084	1.923	1.792
VERTICAL SPREAD	:	2.845	2.845	2.400
EXTREME SPREAD	:	3.671	3.037	2.401
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	