

C6594655

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400021236

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington




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

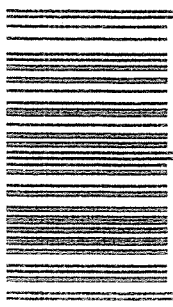
MODEL 700TM H24

SERIAL NO.
C6594655

ORDER NO.
5715

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

UPC



0 47700 25716 7



5715 C6594655

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594655

DATE 1/4/91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.33	2.39	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.36	2.38	2.31	
PULL #3	2.34	2.36	2.36	2.38	
PULL #4	2.36	2.35	2.40	2.39	
PULL #5	2.31	2.35	2.31	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.27		
PULL #2	3.12	3.25		
PULL #3	3.20	3.27		
PULL #4	3.28	3.22		
PULL #5	3.27	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.29		4.39
PULL #2	4.34	4.39		4.38
PULL #3	4.32	4.19		4.32
PULL #4	4.30	4.40		4.36
PULL #5	4.39	4.34		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594655
10 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.265092
1 TO	2	.256912
1 TO	3	.257847
1 TO	4	.390288
1 TO	5	.164003

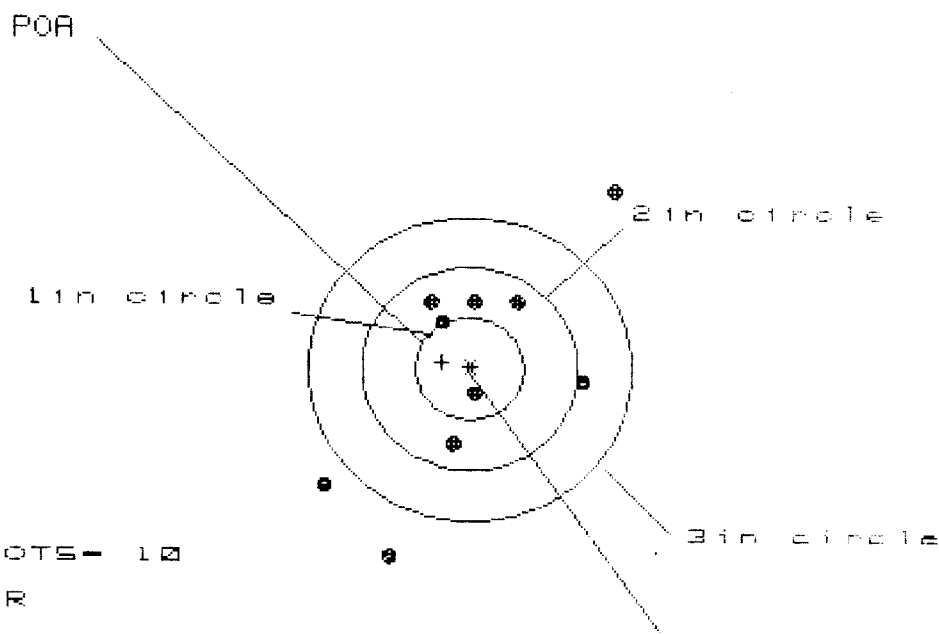
41 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0584
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.069
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0903967
THE AMR FOR THIS RIFLE IS: .9676

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594655

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 2.651

VS= 3.559

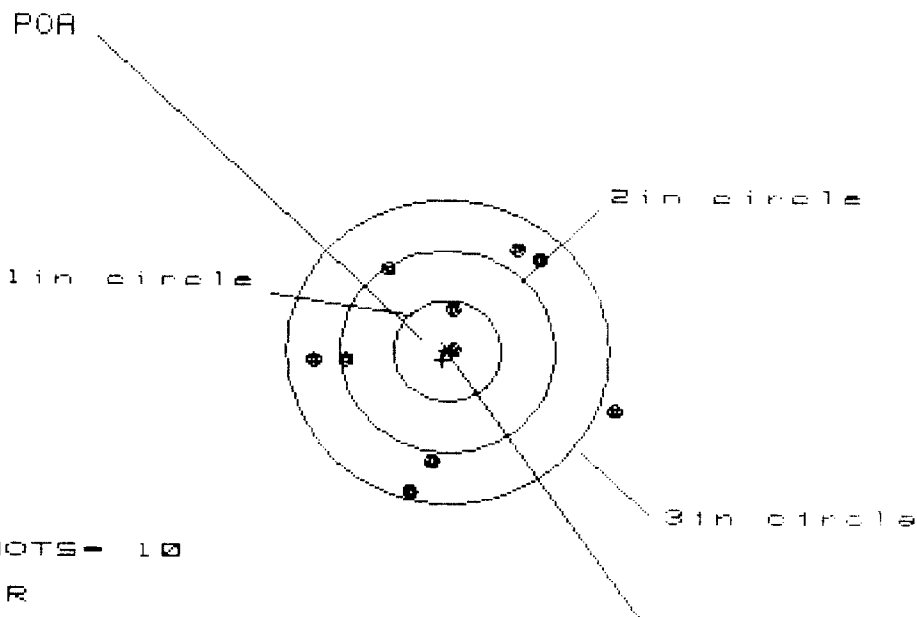
GS= 4.115

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.385	1.168	1.091
MINIMUM X	-1.346	-1.201	-1.278
MAXIMUM Y	1.715	.904	.697
MINIMUM Y	-1.844	-1.654	-1.189
CENTROID X	.257	.112	.189
CENTROID Y	-.065	-.255	-.048
POA TO CENTROID in.	.265	.279	.195
MIN RADIUS	.231	.192	.268
MEAN RADIUS	1.064	.958	.812
MAX RADIUS	2.155	1.765	1.745
HORIZONTAL SPREAD	2.651	2.369	2.369
VERTICAL SPREAD	3.559	2.558	1.986
EXTREME SPREAD	4.115	2.749	2.570
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

10 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594655

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 4

HS= 2.828

VS= 2.448

GS= 2.872

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.543	1.044	1.028
MINIMUM X	:	-1.285	-1.114	-1.129
MAXIMUM Y	:	1.018	.953	.766
MINIMUM Y	:	-1.430	-1.495	-1.347
CENTROID X	:	.047	-.124	-.109
CENTROID Y	:	.083	.148	.335
POA TO CENTROID in.	:	.096	.193	.352
MIN RADIUS	:	.093	.243	.276
MEAN RADIUS	:	1.049	.973	.881
MAX RADIUS	:	1.648	1.500	1.347
HORIZONTAL SPREAD	:	2.828	2.158	2.158
VERTICAL SPREAD	:	2.448	2.448	2.113
EXTREME SPREAD	:	2.872	2.648	2.389
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594655

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.040

VS= 2.582

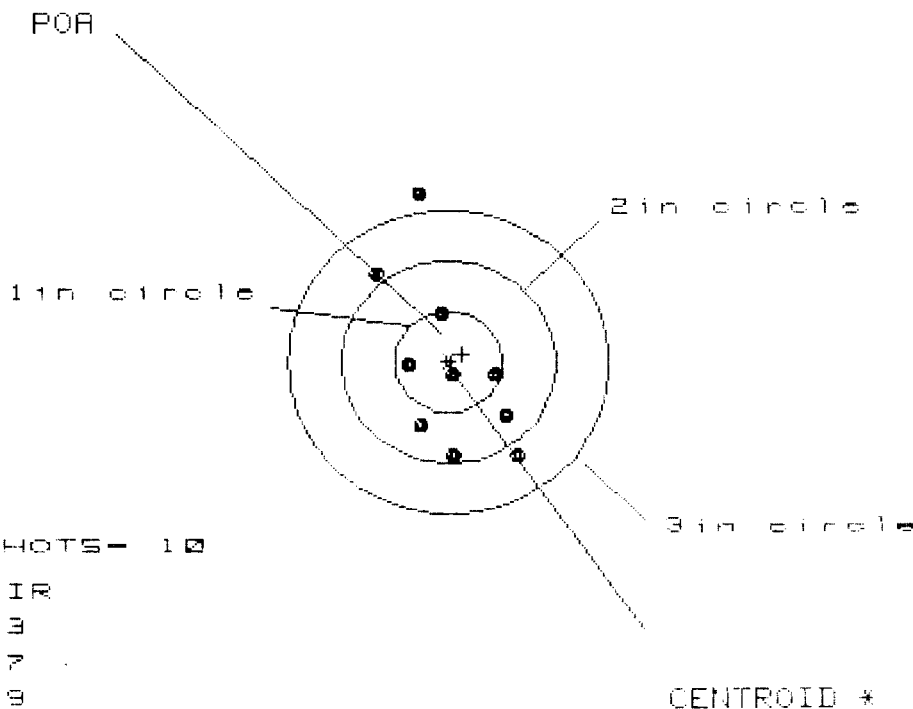
GS= 3.016

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.750	.687
MINIMUM X	:	-1.161	-.887	-.793
MAXIMUM Y	:	1.388	1.502	1.367
MINIMUM Y	:	-1.194	-1.080	-.641
CENTROID X	:	.015	.144	.050
CENTROID Y	:	-.154	-.268	-.133
POA TO CENTROID in.	:	.154	.304	.142
MIN RADIUS	:	.136	.265	.177
MEAN RADIUS	:	.826	.730	.657
MAX RADIUS	:	1.550	1.502	1.370
HORIZONTAL SPREAD	:	2.040	1.637	1.400
VERTICAL SPREAD	:	2.582	2.582	2.008
EXTREME SPREAD	:	3.016	2.687	2.017
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594655

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.311

VS= 2.638

GS= 2.791

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.654	.621	.505
MINIMUM X	:	-.657	-.690	-.498
MAXIMUM Y	:	1.728	1.108	.844
MINIMUM Y	:	-.910	-.718	-.580
CENTROID X	:	-.133	-.100	-.014
CENTROID Y	:	-.080	-.272	-.410
POR TO CENTROID in.	:	.155	.290	.410
MIN RADIUS	:	.100	.100	.262
MEAN RADIUS	:	.778	.640	.551
MAX RADIUS	:	1.754	1.305	.858
HORIZONTAL SPREAD	:	1.311	1.311	1.033
VERTICAL SPREAD	:	2.638	1.826	1.424
EXTREME SPREAD	:	2.791	2.236	1.569
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594655

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 4

3 in - 7

HS- 1.821

VS- 3.347

GS- 3.705

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.935	1.036	.938
MINIMUM X	:	-.886	-.785	-.544
MAXIMUM Y	:	1.754	1.455	1.294
MINIMUM Y	:	-1.593	-1.399	-1.560
CENTROID X	:	.106	.005	.103
CENTROID Y	:	-.129	-.323	-.162
POA TO CENTROID in.	:	.167	.323	.192
MIN RADIUS	:	.085	.196	.063
MEAN RADIUS	:	1.139	1.038	.959
MAX RADIUS	:	1.978	1.606	1.593
HORIZONTAL SPREAD	:	1.821	1.821	1.482
VERTICAL SPREAD	:	3.347	2.854	2.854
EXTREME SPREAD	:	3.705	3.110	2.994
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594655DATE 2/9/96TESTER AC

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.53	2.51		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.49	2.51		
PULL #3	2.64	2.52	2.50		
PULL #4	2.52	2.41	2.50		
PULL #5	2.54	2.41	2.48		
TOTAL	12.67	12.36	12.50		
AVG.	2.53	2.47	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.12		
PULL #2	3.05	3.09		
PULL #3	3.08	3.14		
PULL #4	3.18	3.25		
PULL #5	3.12	3.13		
TOTAL	15.64	15.73		
AVG.	3.13	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.50		4.38
PULL #2	4.63	4.52		4.42
PULL #3	4.60	4.42		4.30
PULL #4	4.60	4.52		4.40
PULL #5	4.60	4.51		4.46
TOTAL	23.00	22.47		21.96
AVG.	4.60	4.49		4.39

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594655

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4			2/23/96	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			2/23/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						2/23/96	Ad
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection						2/24/96	Rw
	A) Headspace						2/23/96	WB
	B) Trigger Pull	2.68	2.72	2.58	2.78	2.62	2/24/96	Rw
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594655

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	Kd
600	Proof		10/31/90	Kd
607	Check Headspace		10/31/90	Kd
610	Dis-assemble Gun		10/31/90	Kd
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	KCR
617	Drill and Tap Sight Holes		11/5/90	KLB
618	Polish Barrel RB		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	AA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/28/90	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/28/90	K.S.
	C) Inspect Ejector Hole for Chamfer		12/28/90	K.S.
	D) Oil Firing Pin Ass'y		12/28/90	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		1/4/91	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.50	4.75	4.75			1/2/91	KT
	G) Safety Off Force	4.0	4.25	4.0			1/2/91	KT
	H) Trigger Pull Test & Retainability						1/4/91	JH
	I) Firing Pin Indent	.020	.020	.020			1/2/91	KT
	J) Assemble Stock						1/4/91	KS
	K) Assemble Swivel Studs						1-11-91	JH
	L) Attach Front and Rear Sight Assemblies						1/4/91	KS
	M) Iron Sight Alignment						1/4/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/4/91	KS
	O) Attach Scope to Rifle						1/4/91	KS
	P) Detach & Attach Scope 20 Times						1/4/91	KS
640	Gallery Target & Test						1/9/91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						1/9/91	KJ
655	Final Inspection							
	A) Headspace						1-11-91	JH
	B) Trigger Pull	2.27	2.31	2.38	2.39	2.34	1-11-91	JH
	C) Function						1-11-91	JH
660	Pack						3/15/91	WLB