

C6587666

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.
C6587666

ORDER NO.
5716

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

01



5716 C6587666

UPC



0 47700 25716 7

BARBER - M24 0024833

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 002489924872

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C 6587666*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		<i>10/18/90</i>	<i>KA</i>
600	Proof		<i>10/18/90</i>	<i>KA</i>
607	Check Headspace		<i>10/18/90</i>	<i>KA</i>
610	Dis-assemble Gun		<i>10/18/90</i>	<i>KA</i>
612	Magnaflux Barrel Action		<i>10/22/90</i>	<i>KR</i>
	Magnaflux Bolt		<i>10/22/90</i>	<i>KR</i>
615	Rollmark Caliber		<i>10/22/90</i>	<i>GL</i>
617	Drill and Tap Sight Holes		<i>10/23/90</i>	<i>LB</i>
618	Polish Barrel <i>RB</i>		<i>10/24/90</i>	<i>WB</i>
620	Apply Coatings (Barrel Action)		<i>11-6-90</i>	<i>KA</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>11-6-90</i>	<i>KS</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>11-6-90</i>	<i>KS</i>
	C) Inspect Ejector Hole for Chamfer		<i>11-6-90</i>	<i>KS</i>
	D) Oil Firing Pin Ass'y		<i>11-6-90</i>	<i>KS</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>11-13-90</i>	<i>KA</i>

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4.3/4	4. 1/2	4. 1/2	11/7/90	KS		
	G) Safety Off Force	2. 1/4	2. 1/4	2. 1/4	11/7/90	KS		
	H) Trigger Pull Test & Retainability				11-13-90	JH		
	I) Firing Pin Indent	.023	.023	.023	11/7/90	KS		
	J) Assemble Stock				11/13/90	KS		
	K) Assemble Swivel Studs				11-19-90	DH		
	L) Attach Front and Rear Sight Assemblies				11/13/90	KS		
	M) Iron Sight Alignment				11/13/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/13/90	KS		
	O) Attach Scope to Rifle				11/13/90	KS		
P) Detach & Attach Scope 20 Times				11/13/90	KS			
640	Gallery Target & Test				11-14-90	KT		
	A) Time				11-14-90	KT		
	B) Malfunctions				11-14-90	KT		
	C) Pierced Primers				11-14-90	KT		
	D) Optical Clarity of Scope				11-14-90	KT		
645	Inspect for Live Ammo				11-14-90	KT		
655	Final Inspection							
	A) Headspace				11-19-90	DH		
	B) Trigger Pull	2.39	2.56	2.46	2.54	2.47	11-19-90	DH
	C) Function						11-19-90	DH
660	Pack						12/18/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 26587666

DATE 11-13-90

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.22	2.31	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.21	2.14	2.56	
PULL #3	2.35	2.23	2.24	2.46	
PULL #4	2.42	2.20	2.19	2.54	
PULL #5	2.30	2.25	2.16	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.17		
PULL #2	3.14	3.21		
PULL #3	3.21	3.23		
PULL #4	3.28	3.18		
PULL #5	3.23	3.24		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.26		4.47
PULL #2	4.22	4.12		4.41
PULL #3	4.26	4.22		4.27
PULL #4	4.23	4.36		4.21
PULL #5	4.28	4.41		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587666
15 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0164924
1 TO	2	.147526
1 TO	3	.0133417
1 TO	4	.196125
1 TO	5	.171292

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0258
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0258
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0364867
THE AMR FOR THIS RIFLE IS: .8278

15 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587666

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.882

VS= 1.588

GS= 2.196

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.677	.543	.591
MINIMUM X	-1.285	-.774	-.726
MAXIMUM Y	.929	.881	.797
MINIMUM Y	-.659	-.707	-.597
CENTROID X	.016	.150	.102
CENTROID Y	-.004	.044	-.066
POA TO CENTROID in.	.016	.156	.122
MIN RADIUS	.216	.175	.250
MEAN RADIUS	.665	.595	.541
MAX RADIUS	1.282	.960	.805
HORIZONTAL SPREAD	1.882	1.317	1.317
VERTICAL SPREAD	1.588	1.588	1.394
EXTREME SPREAD	2.196	1.634	1.427
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

15 May 1998

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CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.658

VS= 1.976

GS= 2.807

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.929	.737	.798
MINIMUM X	:	-1.729	-.640	-.579
MAXIMUM Y	:	.900	.805	.659
MINIMUM Y	:	-1.076	-1.171	-.912
CENTROID X	:	-.024	.168	.107
CENTROID Y	:	.138	.233	.379
POA TO CENTROID in.	:	.140	.287	.394
MIN RADIUS	:	.339	.171	.084
MEAN RADIUS	:	.883	.727	.628
MAX RADIUS	:	1.928	1.271	.964
HORIZONTAL SPREAD	:	2.658	1.377	1.377
VERTICAL SPREAD	:	1.976	1.976	1.571
EXTREME SPREAD	:	2.807	2.050	1.677
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	

15 Nov 1998

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.853

VS= 3.301

GS= 3.557

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.217	1.276	1.079
MINIMUM X	:	-1.636	-1.577	-1.007
MAXIMUM Y	:	1.049	.799	.773
MINIMUM Y	:	-2.252	-1.099	-1.125
CENTROID X	:	.003	-.056	.141
CENTROID Y	:	-.007	.243	.269
POA TO CENTROID in.	:	.008	.249	.304
MIN RADIUS	:	.290	.174	.090
MEAN RADIUS	:	1.077	.910	.800
MAX RADIUS	:	2.314	1.590	1.285
HORIZONTAL SPREAD	:	2.853	2.853	2.086
VERTICAL SPREAD	:	3.301	1.898	1.898
EXTREME SPREAD	:	3.557	2.931	2.309
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

15 May 1998

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS= 1.651

VS= 1.846

GS= 2.159

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.685	.373	.251
MINIMUM X	:	-1.046	-.978	-.629
MAXIMUM Y	:	.992	.776	.740
MINIMUM Y	:	-.854	-.743	-.779
CENTROID X	:	.128	.060	.182
CENTROID Y	:	-.165	-.276	-.240
POA TO CENTROID in.	:	.209	.282	.301
MIN RADIUS	:	.197	.192	.160
MEAN RADIUS	:	.615	.550	.471
MAX RADIUS	:	1.163	1.020	.819
HORIZONTAL SPREAD	:	1.651	1.351	.880
VERTICAL SPREAD	:	1.846	1.519	1.519
EXTREME SPREAD	:	2.159	1.678	1.520
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Nov 1998

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.825

VS= 2.618

GS= 2.833

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.845	.704	.784
MINIMUM X	-.980	-.887	-.807
MAXIMUM Y	.869	.675	.499
MINIMUM Y	-1.749	-1.409	-.399
CENTROID X	.006	-.088	-.168
CENTROID Y	.167	.361	.537
POA TO CENTROID in.	.167	.372	.563
MIN RADIUS	.248	.314	.253
MEAN RADIUS	.899	.738	.605
MAX RADIUS	1.942	1.548	.880
HORIZONTAL SPREAD	1.825	1.591	1.591
VERTICAL SPREAD	2.618	2.084	.898
EXTREME SPREAD	2.833	2.236	1.653
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	