

C6649263

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

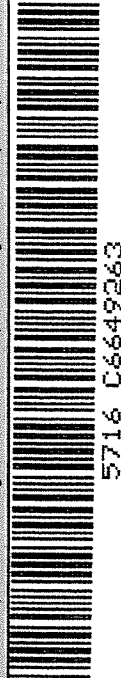
VERY IMPORTANT
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6649263

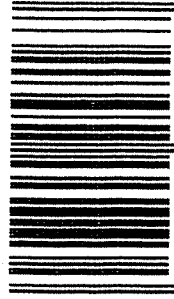
ORDER NO.
5716

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



5716 C6649263

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649263

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 25	9 1	RW
600	Proof	6 25	9 1	RW
607	Check Headspace	6 25	9 1	RW
610	Dis-assemble Gun	6 25	9 1	RW
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	GS
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		8/27/91	JA
	Apply Coating (Bolt)		8/27/91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-4-91	JH

BARBER - M24 0067082		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	7	6 1/2	7			9-4-91	DH
	G) Safety Off Force	3 1/2	3	3			9-4-91	DH
	H) Trigger Pull Test & Retainability						9/4/91	RM
	I) Firing Pin Indent	.020	.021	.020			9-4-91	DH
	J) Assemble Stock						9/5/91	RW
	K) Assemble Swivel Studs						9-12-91	DH
	L) Attach Front and Rear Sight Assemblies						9/5/91	RW
	M) Iron Sight Alignment						9/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/5/91	RW
	O) Attach Scope to Rifle						9/5/91	RW
	P) Detach & Attach Scope 20 Times						9/5/91	RW
640	Gallery Target & Test						9/6/91	KF
	A) Time						..	KF
	B) Malfunctions						..	KF
	C) Pierced Primers						..	KF
	D) Optical Clarity of Scope						..	KF
645	Inspect for Live Ammo						9/6/91	KF
655	Final Inspection							
	A) Headspace						9-12-91	DH
	B) Trigger Pull	546	252	246	254	238	9-10-91	DH
	C) Function						9-12-91	DH
660	Pack						9-12-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06649263

DATE 9-4-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.52	2.59	246	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.43	2.61	252	
PULL #3	2.43	2.63	2.63	246	
PULL #4	2.25	2.65	2.58	254	
PULL #5	2.52	2.61	2.60	238	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.33		
PULL #2	3.58	3.23		
PULL #3	3.61	3.31		
PULL #4	3.58	3.51		
PULL #5	3.65	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.23		4.34
PULL #2	4.22	4.69		4.60
PULL #3	4.46	4.62		4.60
PULL #4	4.32	4.32		4.56
PULL #5	4.39	4.66		4.57
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649263
7 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.553268
1 TO	2	.476274
1 TO	3	.751001
1 TO	4	.668564
1 TO	5	.812001

5 ¹/₂ <----POA

AVG X-COORDINATE FOR THIS RIFLE IS: .0156
AVG Y-COORDINATE FOR THIS RIFLE IS: .0596
AVG AVERAGE POI RADIUS FOR THIS RIFLE IS: .0616078
AVG FOR THIS RIFLE IS: .8568

FILE:/PATTERNING/CENTERFIRE_PATT/08649263

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 2.751

VS= 2.759

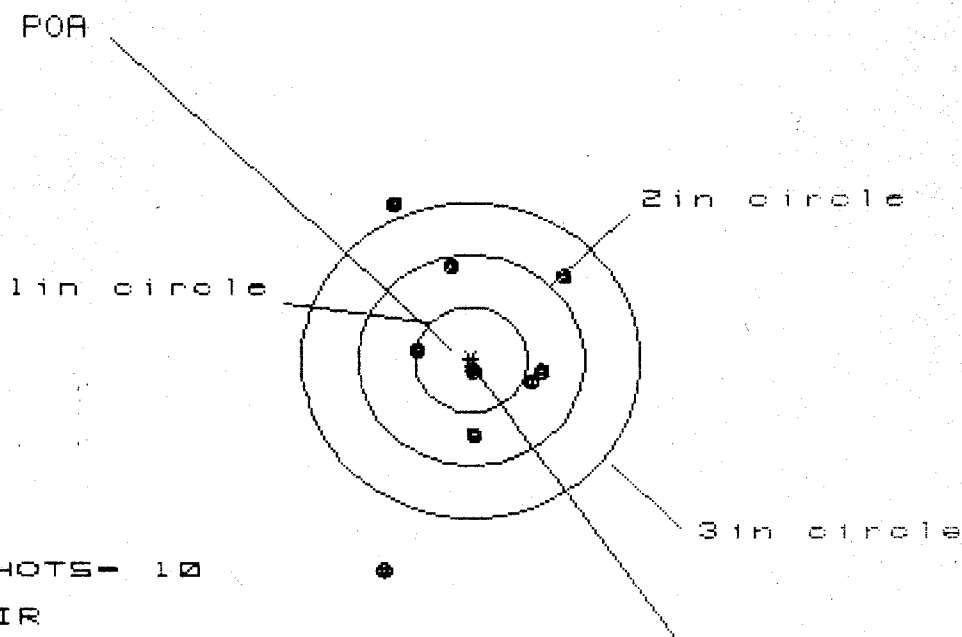
GS= 2.918

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.066	1.143	.942
MINIMUM X	-1.685	-1.608	-1.349
MAXIMUM Y	1.933	.672	.728
MINIMUM Y	-.826	-.611	-.555
CENTROID X	.255	.178	.379
CENTROID Y	.491	.276	.220
POA TO CENTROID in.	.553	.329	.439
MIN RADIUS	.589	.362	.456
MEAN RADIUS	1.080	.914	.790
MAX RADIUS	2.051	1.669	1.390
HORIZONTAL SPREAD	2.751	2.751	2.291
VERTICAL SPREAD	2.759	1.283	1.283
EXTREME SPREAD	2.918	2.760	2.325
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

7 Sep 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.684

VS= 3.502

GS= 3.505

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.869	.778	.682
MINIMUM X	:	-.815	-.768	-.648
MAXIMUM Y	:	1.544	1.327	.835
MINIMUM Y	:	-1.958	-.963	-.797
CENTROID X	:	-.024	.067	.163
CENTROID Y	:	.105	.322	.156
POA TO CENTROID in.	:	.107	.329	.226
MIN RADIUS	:	.112	.313	.192
MEAN RADIUS	:	.852	.739	.587
MAX RADIUS	:	2.121	1.533	.977
HORIZONTAL SPREAD	:	1.684	1.546	1.330
VERTICAL SPREAD	:	3.502	2.290	1.632
EXTREME SPREAD	:	3.505	2.396	1.718
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Sep 1991

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 3

2 in - 5

3 in = 9

HS- 2.608

VS= 2.152

GS= 2.690

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.313	.634	.491
MINIMUM X	:	-1.295	-1.150	-.449
MAXIMUM Y	:	1.051	.957	.923
MINIMUM Y	:	-1.101	-1.195	-1.229
CENTROID X	:	.256	.111	.254
CENTROID Y	:	-.260	-.166	-.132
POA TO CENTROID in.	:	.365	.200	.286
MIN RADIUS	:	.361	.192	.290
MEAN RADIUS	:	.880	.787	.727
MAX RADIUS	:	1.560	1.353	1.324
HORIZONTAL SPREAD	:	2.608	1.784	.940
VERTICAL SPREAD	:	2.152	2.152	2.152
EXTREME SPREAD	:	2.690	2.243	2.243
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Sep 1991

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CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.234

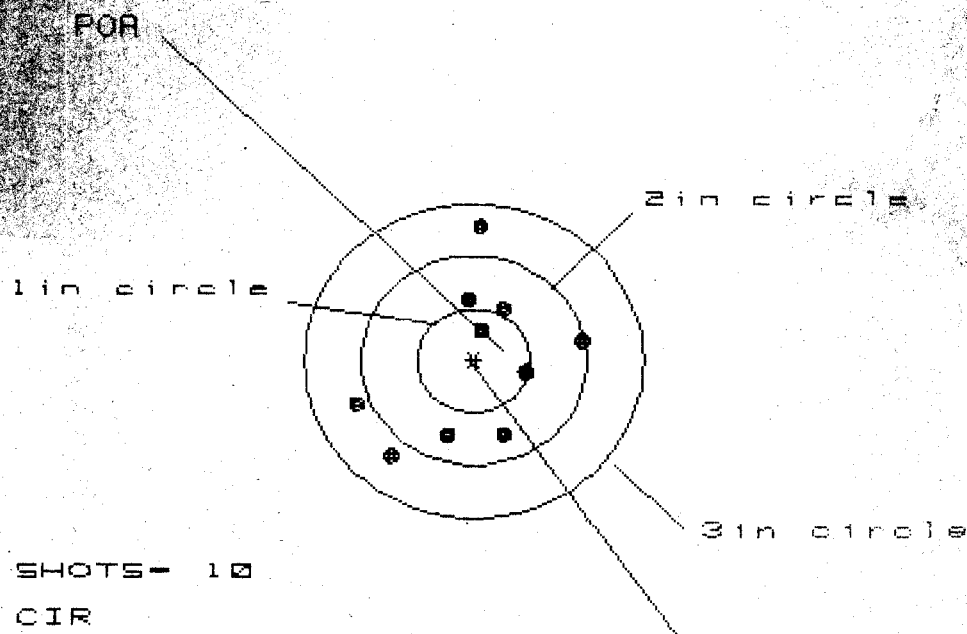
VS= 2.001

GS= 2.009

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.473	.468	.441
MINIMUM X	:	-.761	-.766	-.793
MAXIMUM Y	:	.715	.572	.436
MINIMUM Y	:	-1.286	-1.084	-.743
CENTROID X	:	.052	.057	.084
CENTROID Y	:	-.146	-.003	.133
POR TO CENTROID in.	:	.155	.057	.157
MIN RADIUS	:	.161	.074	.167
MEAN RADIUS	:	.686	.589	.506
MAX RADIUS	:	1.287	1.106	.802
HORIZONTAL SPREAD	:	1.234	1.234	1.234
VERTICAL SPREAD	:	2.001	1.656	1.179
EXTREME SPREAD	:	2.009	1.717	1.285
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.924

VS= 2.172

GS= 2.301

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.926	.933	.846
MINIMUM X	:	-.998	-.991	-1.078
MAXIMUM Y	:	1.270	.727	.632
MINIMUM Y	:	-.902	-.761	-.667
CENTROID X	:	-.461	-.468	-.381
CENTROID Y	:	.108	-.033	.062
POA TO CENTROID in.	:	.474	.469	.386
MIN RADIUS	:	.336	.437	.363
MEAN RADIUS	:	.786	.734	.672
MAX RADIUS	:	1.271	1.031	1.123
HORIZONTAL SPREAD	:	1.924	1.924	1.924
VERTICAL SPREAD	:	2.172	1.488	1.299
EXTREME SPREAD	:	2.301	1.995	1.995
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		