

06587691

MODEL 700™ M24

Model **SMS**™

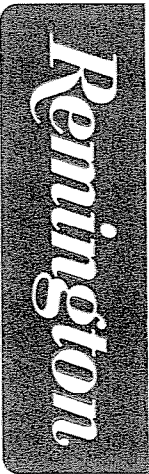
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
REG. U.S. PAT. & TM. OFF.

DUPONT
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

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

20

SERIAL NO.
C6587691

ORDER NO.
5716

5716 C6587691

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587691

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1021		RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	JS
617	Drill and Tap Sight Holes		11/3/90	K.B
618	Polish Barrel <i>JS</i>		11/6/90	CVB
620	Apply Coatings (Barrel Action)		11-20-90	KA
	Apply Coating (Bolt)			K
625	Final Assembly			
	A) Clean inside of Bolt Assembly		12/12/90	JS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	JS
	C) Inspect Ejector Hole for Chamfer		12/12/90	JS
	D) Oil Firing Pin Ass'y		12/12/90	JS
	E) Adjust Trigger Pull to Min Setting and Stake		1-7-91	JS

op. #	OP NAME	READINGS					DATE	INIT
	BARBER - M24 0025324							
625 cont.	F) Safety On Force	4	4	4			1-2/91	WLB
	G) Safety Off Force	2	2	2			1-2/91	WLB
	H) Trigger Pull Test & Retainability						1-2-91	JH
	I) Firing Pin Indent	.022	.0215	.022			1-2/91	WLB
	J) Assemble Stock						1/3/91	Re
	K) Assemble Swivel Studs						1-14-91	JH
	L) Attach Front and Rear Sight Assemblies						1/3/91	Re
	M) Iron Sight Alignment						1/3/91	Re
	N) Detach Front & Rear Sights & place in numbered container						1/3/91	Re
	O) Attach Scope to Rifle						1/3/91	Re
	P) Detach & Attach Scope 20 Times						1/3/91	Re
640	Gallery Target & Test						1/11/91	2
	A) Time						"	K2
	B) Malfunctions						"	K2
	C) Pierced Primers						"	K2
	D) Optical Clarity of Scope						"	K2
645	Inspect for Live Ammo						1/11/91	1-2
655	Final Inspection							
	A) Headspace						1-14-91	JH
	B) Trigger Pull	2.38	2.41	2.34	2.18	2.23	1-14-91	JH
	C) Function						1-14-91	JH
660	Pack						3-19-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06587691

DATE 1-2-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.32	2.38	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.43	2.42	2.41	
PULL #3	2.49	2.27	2.36	2.34	
PULL #4	2.38	2.26	2.25	2.18	
PULL #5	2.32	2.38	2.36	2.23	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.21		
PULL #2	3.47	3.35		
PULL #3	3.43	3.24		
PULL #4	3.36	3.24		
PULL #5	3.50	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.35		4.21
PULL #2	4.51	4.26		4.21
PULL #3	4.20	4.26		4.42
PULL #4	4.33	4.33		4.28
PULL #5	4.23	4.43		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587691
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.1786
1 TO	2	.172409
1 TO	3	.410212
1 TO	4	.184396
1 TO	5	.414787

4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0286
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0752
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .000455

THE AMR FOR THIS RIFLE IS: 1.082

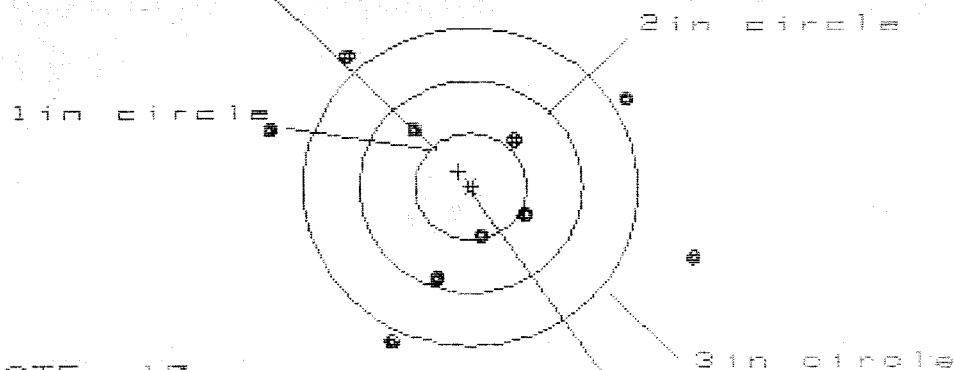
11 Jan 1991

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CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 5

HS = 3.821

VS = 2.747

GS = 4.000

CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.005	1.597	1.398
MINIMUM X	-1.816	-1.593	-1.098
MAXIMUM Y	1.276	1.206	1.265
MINIMUM Y	-1.470	-1.541	-1.482
CENTROID X	.107	-.116	.083
CENTROID Y	-.143	-.072	-.131
POA TO CENTROID in.	.178	.136	.155
MIN RADIUS	.428	.534	.445
MEAN RADIUS	1.217	1.126	1.024
MAX RADIUS	2.104	1.760	1.675
HORIZONTAL SPREAD	3.821	3.190	2.496
VERTICAL SPREAD	2.747	2.747	2.747
EXTREME SPREAD	4.000	3.201	3.080
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	5		

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CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS = 3.138

VS = 3.944

GS = 4.130

CENTROID #

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.008
MINIMUM X	:	-2.130
MAXIMUM Y	:	1.104
MINIMUM Y	:	-2.840
CENTROID X	:	.057
CENTROID Y	:	.022
POA TO CENTROID in.	:	.061
MIN RADIUS	:	.286
MEAN RADIUS	:	1.050
MAX RADIUS	:	2.934
HORIZONTAL SPREAD	:	3.138
VERTICAL SPREAD	:	3.944
EXTREME SPREAD	:	4.130
NUMBER IN ONE INCH CIRCLE	=	4
NUMBER IN TWO INCH CIRCLE	=	6
NUMBER IN THREE INCH CIRCLE	=	8

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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 = 2.385

VS = 2.382

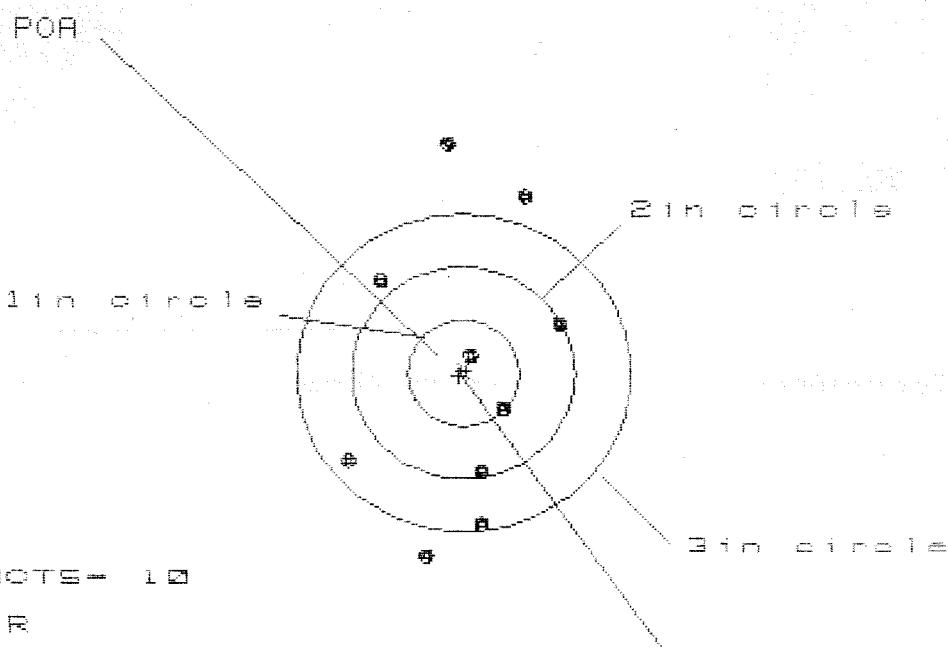
GS = 2.803

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.255	1.129	1.157
MINIMUM X	:	-1.130	-.837	-.809
MAXIMUM Y	:	1.154	1.072	.935
MINIMUM Y	:	-1.228	-1.100	-.675
CENTROID X	:	-.118	.008	-.020
CENTROID Y	:	.200	.072	.209
POA TO CENTROID in.	:	.232	.072	.210
MIN RADIUS	:	.225	.405	.280
MEAN RADIUS	:	.901	.841	.780
MAX RADIUS	:	1.615	1.213	1.157
HORIZONTAL SPREAD	:	2.385	1.966	1.966
VERTICAL SPREAD	:	2.382	2.172	1.610
EXTREME SPREAD	:	2.803	2.199	2.111
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 1.865

VS= 3.928

GS= 3.933

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.848	.836	.797
MINIMUM X	:	-1.017	-1.029	-1.068
MAXIMUM Y	:	2.158	1.920	1.728
MINIMUM Y	:	-1.770	-1.530	-1.411
CENTROID X	:	.038	.050	.089
CENTROID Y	:	.028	-.212	-.020
POA TO CENTROID in.	:	.047	.218	.092
MIN RADIUS	:	.159	.393	.200
MEAN RADIUS	:	1.226	1.102	1.032
MAX RADIUS	:	2.161	1.984	1.789
HORIZONTAL SPREAD	:	1.865	1.865	1.865
VERTICAL SPREAD	:	3.928	3.450	3.140
EXTREME SPREAD	:	3.933	3.545	3.156

BARBER - M24 0025331

NUMBER IN ONE	INCH CIRCLE	=	1
NUMBER IN TWO	INCH CIRCLE	=	4
NUMBER IN THREE	INCH CIRCLE	=	7

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CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 2.945

VS= 3.128

GS= 3.754

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.380	1.436	1.248
MINIMUM X	:	-1.565	-1.589	-1.227
MAXIMUM Y	:	2.089	.606	.505
MINIMUM Y	:	-1.039	-.806	-.775
CENTROID X	:	.059	.003	.191
CENTROID Y	:	.269	.036	.137
POA TO CENTROID in.	:	.275	.037	.235
MIN RADIUS	:	.044	.264	.170
MEAN RADIUS	:	1.017	.914	.790
MAX RADIUS	:	2.151	1.711	1.469
HORIZONTAL SPREAD	:	2.945	2.945	2.475
VERTICAL SPREAD	:	3.128	1.412	1.280
EXTREME SPREAD	:	3.754	2.948	2.586
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	