

C6523450

MODEL 700™ M24

Model **SMS**™

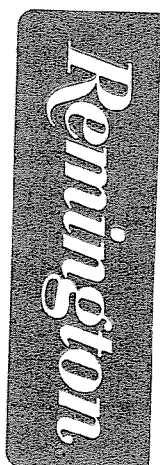
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
MODEL 700TM H24

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

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

SERIAL NO.
C6523450

ORDER NO.
5716

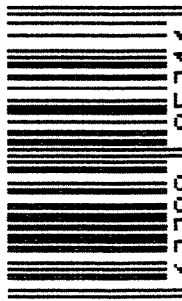
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6523450

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523450

SCOPE # ~~7~~

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KA
600	Proof		10/2/90	KA
607	Check Headspace		10/2/90	KA
610	Dis-assemble Gun		10/2/90	KA
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	KR
617	Drill and Tap Sight Holes		10/8/90	KB
618	Polish Barrel KB		10/9/90	KB
620	Apply Coatings (Barrel Action)		10-20-90	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/25/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 ³ / ₄	5 ³ / ₄	5 ¹ / ₂			11/12/90	WLB
	G) Safety Off Force	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂			11/12/90	WLB
	H) Trigger Pull Test & Retainability						4/25/91 11/20/90	JH
	I) Firing Pin Indent	.021	.021	.021			11/12/90	WLB
	J) Assemble Stock						11/14/90	KS
	K) Assemble Swivel Studs						5-14-91	DH
	L) Attach Front and Rear Sight Assemblies						11/14/90	KS
	M) Iron Sight Alignment						11/14/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	KS
	O) Attach Scope to Rifle						11/14/90	KS
	P) Detach & Attach Scope 20 Times						11/14/90	KS
640	Gallery Target & Test						11-16-90	DH
	A) Time						11-16-90	DH
	B) Malfunctions						11-16-90	DH
	C) Pierced Primers						11-16-90	DH
	D) Optical Clarity of Scope						11-16-90	DH
645	Inspect for Live Ammo						11-16-90	DH
655	Final Inspection						5-14-91	DH
	A) Headspace							
	B) Trigger Pull	2.14	2.22	2.25	2.14	2.20	5/10/91	JH
	C) Function						5-14-91	DH
660	Pack						6-18-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523450

DATE 4/25/91

TESTER JRP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.46	2.44	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.38	2.40	2.22	
PULL #3	2.47	2.57	2.49	2.25	
PULL #4	2.20	2.45	2.44	2.14	
PULL #5	2.42	2.43	2.48	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.51		
PULL #2	3.43	3.50		
PULL #3	3.46	3.56		
PULL #4	3.24	3.45		
PULL #5	3.49	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.32		4.29
PULL #2	4.24	4.24		4.38
PULL #3	4.25	4.26		4.45
PULL #4	4.19	4.26		4.43
PULL #5	4.26	4.14		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523450
29 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.0577062
1 TO	2	.246733
1 TO	3	.277834
1 TO	4	.180236
1 TO	5	.129

~~4E~~ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0718
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150615
THE AMR FOR THIS RIFLE IS: .9032

29 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8523450

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.615

VS= 1.769

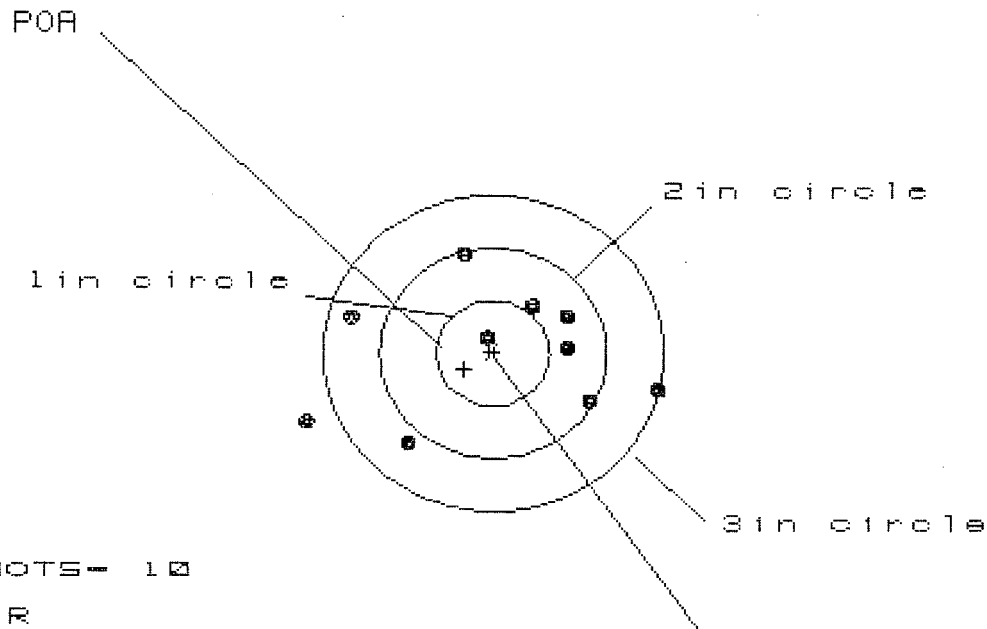
GS= 2.643

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.267	1.117	.708
MINIMUM X	:	-1.348	-1.078	-.938
MAXIMUM Y	:	.906	.962	.983
MINIMUM Y	:	-.863	-.807	-.786
CENTROID X	:	.027	.177	.037
CENTROID Y	:	.051	-.005	-.026
POA TO CENTROID in.	:	.058	.177	.045
MIN RADIUS	:	.298	.158	.245
MEAN RADIUS	:	.883	.782	.756
MAX RADIUS	:	1.438	1.130	1.058
HORIZONTAL SPREAD	:	2.615	2.195	1.646
VERTICAL SPREAD	:	1.769	1.769	1.769
EXTREME SPREAD	:	2.643	2.231	2.021
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

29 Apr 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 3.035

VS= 1.757

GS= 3.059

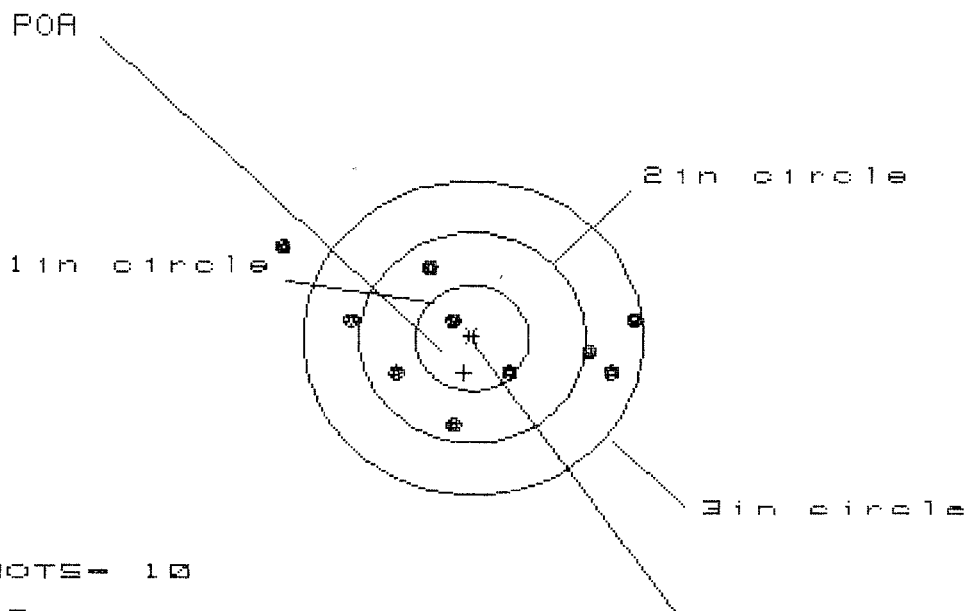
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.405	1.224	.860
MINIMUM X	:	-1.630	-1.391	-1.238
MAXIMUM Y	:	.928	.851	.802
MINIMUM Y	:	-.829	-.906	-.955
CENTROID X	:	.253	.434	.281
CENTROID Y	:	.150	.227	.276
POA TO CENTROID in.	:	.294	.490	.394
MIN RADIUS	:	.154	.278	.121
MEAN RADIUS	:	.953	.821	.763
MAX RADIUS	:	1.771	1.424	1.264
HORIZONTAL SPREAD	:	3.035	2.615	2.098
VERTICAL SPREAD	:	1.757	1.757	1.757
EXTREME SPREAD	:	3.059	2.706	2.242
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 3.132

VS= 1.715

GS= 3.211

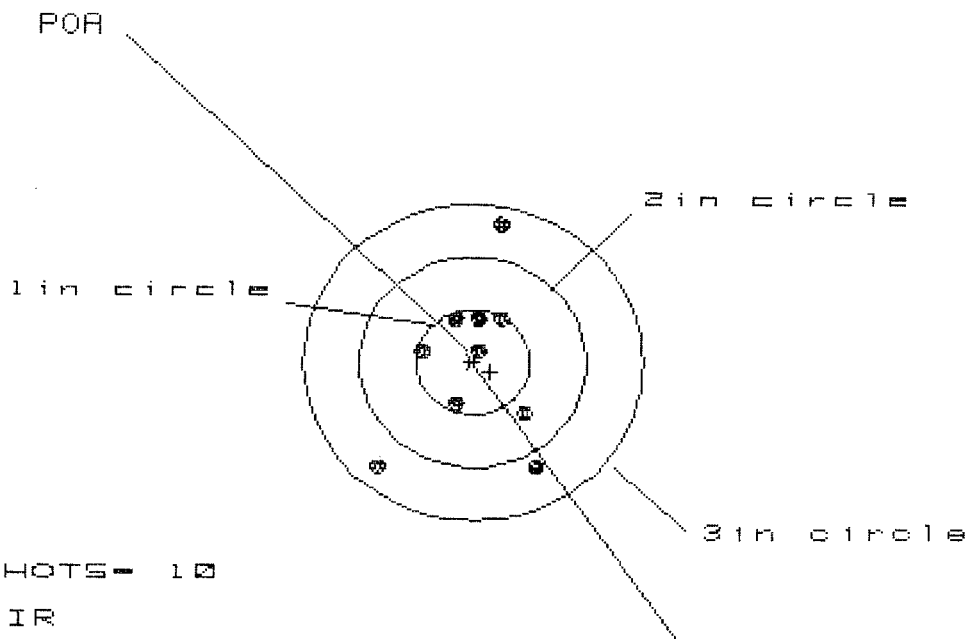
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.436	1.247	1.203
MINIMUM X	:	-1.696	-1.219	-1.063
MAXIMUM Y	:	.878	.741	.775
MINIMUM Y	:	-.837	-.740	-.706
CENTROID X	:	.073	.262	.106
CENTROID Y	:	.325	.228	.194
POA TO CENTROID in.	:	.333	.347	.221
MIN RADIUS	:	.254	.290	.376
MEAN RADIUS	:	.975	.862	.794
MAX RADIUS	:	1.910	1.276	1.226
HORIZONTAL SPREAD	:	3.132	2.466	2.266
VERTICAL SPREAD	:	1.715	1.481	1.481
EXTREME SPREAD	:	3.211	2.466	2.319
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

29 Apr 1991

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 5

2 in - 7

3 in - 10

HS- 1.351

VS- 2.380

GS- 2.630

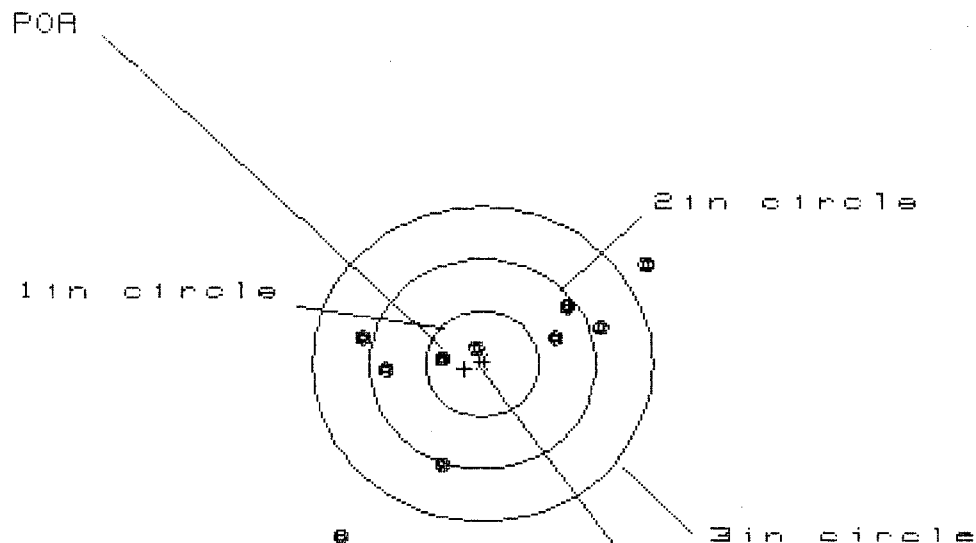
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.511	.542	.441
MINIMUM X	-.840	-.809	-.550
MAXIMUM Y	1.350	.605	.494
MINIMUM Y	-1.030	-.880	-.958
CENTROID X	-.150	-.181	-.080
CENTROID Y	.085	-.065	.046
POA TO CENTROID in.	.173	.192	.092
MIN RADIUS	.114	.264	.140
MEAN RADIUS	.685	.626	.526
MAX RADIUS	1.378	1.196	1.054
HORIZONTAL SPREAD	1.351	1.351	.991
VERTICAL SPREAD	2.380	1.485	1.452
EXTREME SPREAD	2.630	1.812	1.526
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

29 Apr 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.748

VS = 2.638

GS = 3.809

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.493	1.354	1.105
MINIMUM X	:	-1.255	-1.230	-1.061
MAXIMUM Y	:	.950	.762	.495
MINIMUM Y	:	-1.688	-1.094	-.999
CENTROID X	:	.156	.295	.126
CENTROID Y	:	.051	.239	.144
POA TO CENTROID in.	:	.164	.380	.191
MIN RADIUS	:	.197	.167	.102
MEAN RADIUS	:	1.020	.880	.773
MAX RADIUS	:	2.103	1.554	1.128
HORIZONTAL SPREAD	:	2.748	2.584	2.166
VERTICAL SPREAD	:	2.638	1.856	1.494
EXTREME SPREAD	:	3.809	2.673	2.167
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	