

C6649042

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead[®]

Remington® REG. U.S. PAT. & TM. OFF.

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

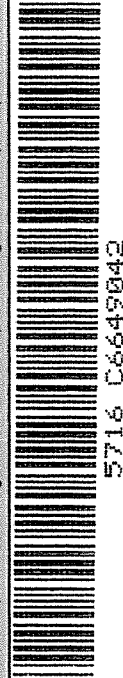
MODEL 700™ H24

SERIAL NO.
C6649042

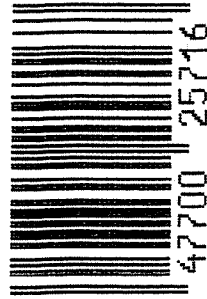
ORDER NO.
5716

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

06



UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649042

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	7 2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	WVB
620	Apply Coatings (Barrel Action)		7/22/91	WVB
	Apply Coating (Bolt)		7/22/91	WVB
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8-15-91	WVB

op	BARBER - M24 0030978	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			8-15-91	JH
	G) Safety Off Force	3	3	3			8-15-91	JH
	H) Trigger Pull Test & Retainability						8-15-91	JH
	I) Firing Pin Indent	.021	.021	.021			8-15-91	JH
	J) Assemble Stock						8/16/91	RW
	K) Assemble Swivel Studs						9/13/91	JH
	L) Attach Front and Rear Sight Assemblies						8/16/91	RW
	M) Iron Sight Alignment						8/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/16/91	RW
	O) Attach Scope to Rifle						8/16/91	RW
	P) Detach & Attach Scope 20 Times						8/16/91	RW
640	Gallery Target & Test						8-19-91	AC
	A) Time						8-19-91	AC
	B) Malfunctions						8-19-91	AC
	C) Pierced Primers						8-19-91	AC
	D) Optical Clarity of Scope						8-19-91	AC
645	Inspect for Live Ammo						8-19-91	AC
655	Final Inspection						9/13/91	JH
	A) Headspace							
	B) Trigger Pull	2.44	2.50	2.50	2.38	2.33	9/13/91	JH
	C) Function						9/13/91	JH
660	Pack						9-19-91	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6649042DATE 8-15-91TESTER JLF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.25	2.55	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.70	2.60	2.44	2.50	
PULL #3	2.33	2.52	2.50	2.50	
PULL #4	2.36	2.54	2.52	2.38	
PULL #5	2.25	2.51	2.55	2.33	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.44		
PULL #2	3.57	3.27		
PULL #3	3.43	3.27		
PULL #4	3.22	3.24		
PULL #5	3.38	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	4.44	4.25		4.43
PULL #2	4.50	4.34		4.34
PULL #3	4.21	4.58		4.33
PULL #4	4.15	4.50		4.48
PULL #5	4.20	4.32		4.20
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649042
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.245051
1 TO	2	.490422
1 TO	3	.256632
1 TO	4	.414658
1 TO	5	.0687095

#₂ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0206
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0886
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0909633

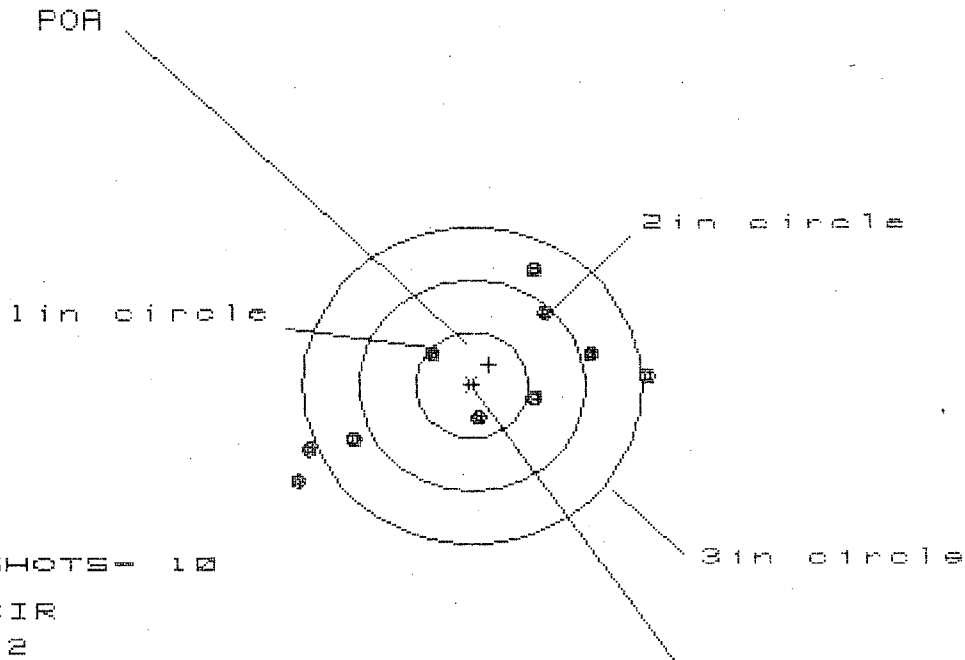
THE AMR FOR THIS RIFLE IS: .942

23 Aug 1991

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CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 3.106

VS = 2.076

GS = 3.270

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.593

1.425

1.024

MINIMUM X

-1.513

-1.627

-1.449

MAXIMUM Y

1.121

1.015

1.010

MINIMUM Y

-.955

-.709

-.714

CENTROID X

-.151

.017

-.162

CENTROID Y

-.193

-.087

-.082

POA TO CENTROID in.

.246

.089

.181

MIN RADIUS

.329

.460

.409

MEAN RADIUS

1.078

.977

.923

MAX RADIUS

1.789

1.774

1.615

HORIZONTAL SPREAD

3.106

3.052

2.473

VERTICAL SPREAD

2.076

1.724

1.724

EXTREME SPREAD

3.270

3.125

2.646

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

7

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FILE:/PATTERNING/CENTERFIRE_PATT/C6549042

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 1.308

VS= 2.935

GS= 2.968

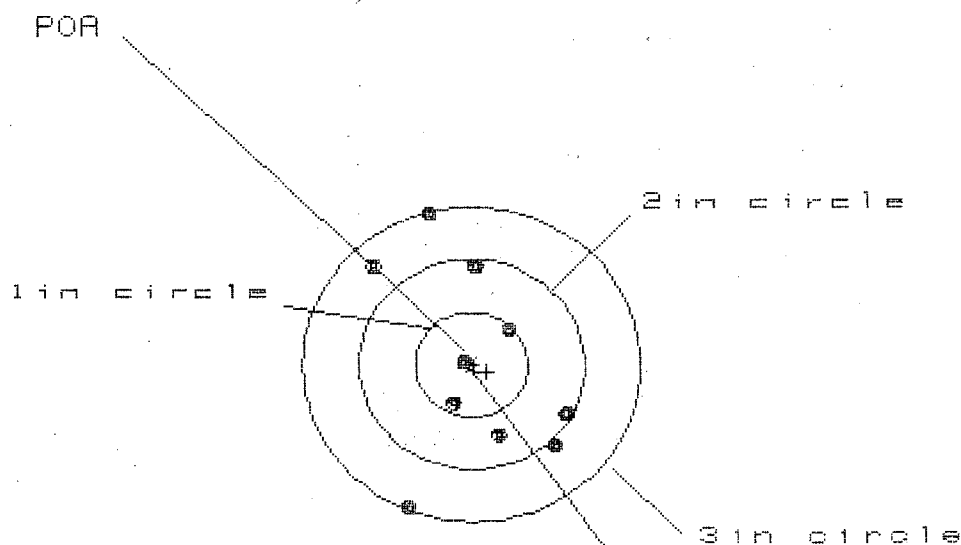
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.505	.457	.372
MINIMUM X	:	-.803	-.851	-.935
MAXIMUM Y	:	1.319	1.139	1.214
MINIMUM Y	:	-1.616	-1.513	-1.370
CENTROID X	:	.304	.352	.437
CENTROID Y	:	-.376	-.196	-.339
POA TO CENTROID in.	:	.483	.403	.553
MIN RADIUS	:	.530	.345	.486
MEAN RADIUS	:	1.077	.974	.942
MAX RADIUS	:	1.672	1.542	1.387
HORIZONTAL SPREAD	:	1.308	1.308	1.308
VERTICAL SPREAD	:	2.935	2.652	2.584
EXTREME SPREAD	:	2.968	2.827	2.584
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.701

VS= 2.742

GS= 2.753

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.814	.777	.700
MINIMUM X	-.887	-.924	-1.001
MAXIMUM Y	1.415	1.106	.960
MINIMUM Y	-1.327	-1.170	-.733
CENTROID X	-.133	-.096	-.019
CENTROID Y	.063	-.094	.052
POA TO CENTROID in.	.147	.134	.056
MIN RADIUS	.090	.213	.205
MEAN RADIUS	.870	.793	.723
MAX RADIUS	1.454	1.406	1.355
HORIZONTAL SPREAD	1.701	1.701	1.701
VERTICAL SPREAD	2.742	2.276	1.693
EXTREME SPREAD	2.753	2.365	2.275
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 4

2in = 6

3in = 8

HS = 3.039

VS = 1.770

GS = 3.081

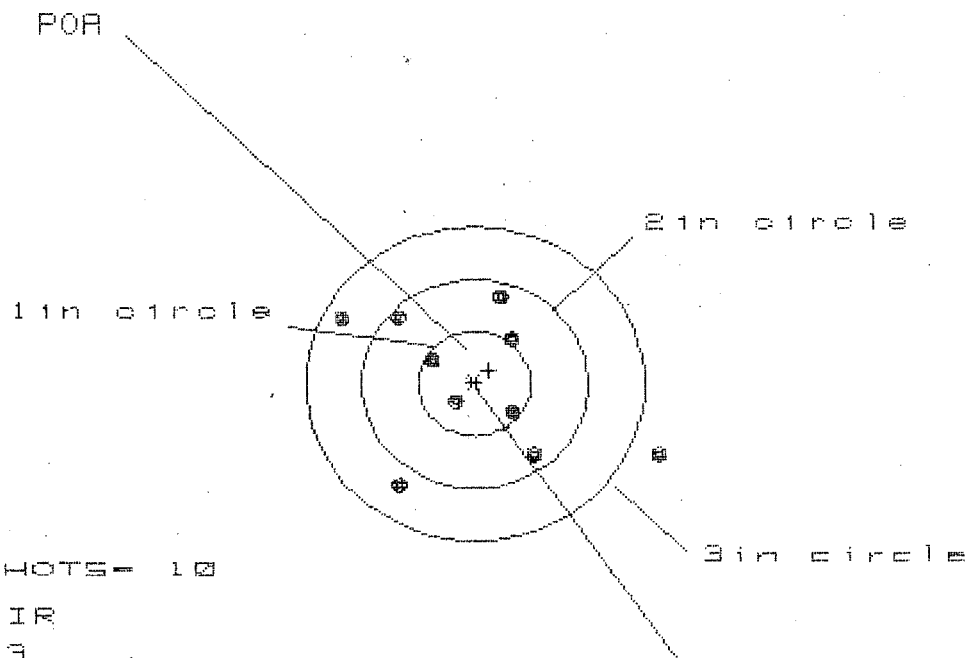
CENTROID #

PATTERN #	4	3	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.431	1.252	.824
MINIMUM X	-1.608	-.838	-.681
MAXIMUM Y	.751	.777	.775
MINIMUM Y	-1.019	-.993	-.895
CENTROID X	.003	.182	.025
CENTROID Y	.192	.166	.068
POA TO CENTROID in.	.192	.246	.073
MIN RADIUS	.123	.097	.193
MEAN RADIUS	.828	.762	.642
MAX RADIUS	1.626	1.474	1.154
HORIZONTAL SPREAD	3.039	2.090	1.505
VERTICAL SPREAD	1.770	1.770	1.670
EXTREME SPREAD	3.081	2.231	1.925
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.839

VS= 1.763

GS= 3.116

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.622	.662	.532
MINIMUM X	-1.217	-1.036	-.645
MAXIMUM Y	.839	.765	.833
MINIMUM Y	-.924	-.998	-.930
CENTROID X	-.126	-.307	-.177
CENTROID Y	-.129	-.055	-.123
POA TO CENTROID in.	.181	.311	.216
MIN RADIUS	.231	.221	.212
MEAN RADIUS	.857	.745	.680
MAX RADIUS	1.754	1.170	1.096
HORIZONTAL SPREAD	2.839	1.698	1.177
VERTICAL SPREAD	1.763	1.763	1.763
EXTREME SPREAD	3.116	2.143	1.959
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		