

C6611541

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®]


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

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

MODEL 700TM H24

SERIAL NO.
C6611541

ORDER NO.
5716

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

20



5716 C6611541

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611541

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/23/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	APR	3 1991	K.S.
618	Polish Barrel	APR	3 1991	W.B.
620	Apply Coatings (Barrel Action)		4/19/91	JS
	Apply Coating (Bolt)			
625	Final Assembly		5/2/91	K.S.
	A) Clean inside of Bolt Assembly		5/2/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/2/91	K.S.
	C) Inspect Ejector Hole for Chamfer		5/2/91	K.S.
	D) Oil Firing Pin Ass'y		5/2/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		5/10/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/7/91	QJ
	G) Safety Off Force	4	4	4			5/7/91	QJ
	H) Trigger Pull Test & Retainability						5/7/91	QJ
	I) Firing Pin Indent	.0205	.0205	.0205			5/7/91	QJ
	J) Assemble Stock						5/8/91	KS
	K) Assemble Swivel Studs						5-17-91	AC
	L) Attach Front and Rear Sight Assemblies						5/8/91	KS
	M) Iron Sight Alignment						5/8/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/8/91	KS
	O) Attach Scope to Rifle						5/8/91	KS
	P) Detach & Attach Scope 20 Times						5/8/91	KS
640	Gallery Target & Test						5/10/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/10/91	KT
655	Final Inspection							
	A) Headspace						5-17-91	AC
	B) Trigger Pull	2.15	2.18	2.21	2.22	2.21	5/13/91	QJ
	C) Function						5-17-91	AC
660	Pack						6-18-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611341

DATE 5/9/91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.22	2.21	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.25	2.49	2.18	
PULL #3	2.26	2.24	2.43	2.21	
PULL #4	2.23	2.24	2.36	2.22	
PULL #5	2.20	2.20	2.30	2.21	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.31		
PULL #2	3.29	3.27		
PULL #3	3.25	3.24		
PULL #4	3.22	3.23		
PULL #5	3.24	3.18		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.47		4.47
PULL #2	4.53	4.46		4.47
PULL #3	4.50	4.45		4.45
PULL #4	4.49	4.47		4.44
PULL #5	4.45	4.46		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611541
10 May 1991

CENTROIDAL DISTANCES

0 TO	1	.442001
1 TO	2	.281619
1 TO	3	.438128
1 TO	4	.527664
1 TO	5	.367789

$\frac{1}{4}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .151
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1266
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .19705
THE AMR FOR THIS RIFLE IS: .865

10 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611541

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.376

VS= 3.259

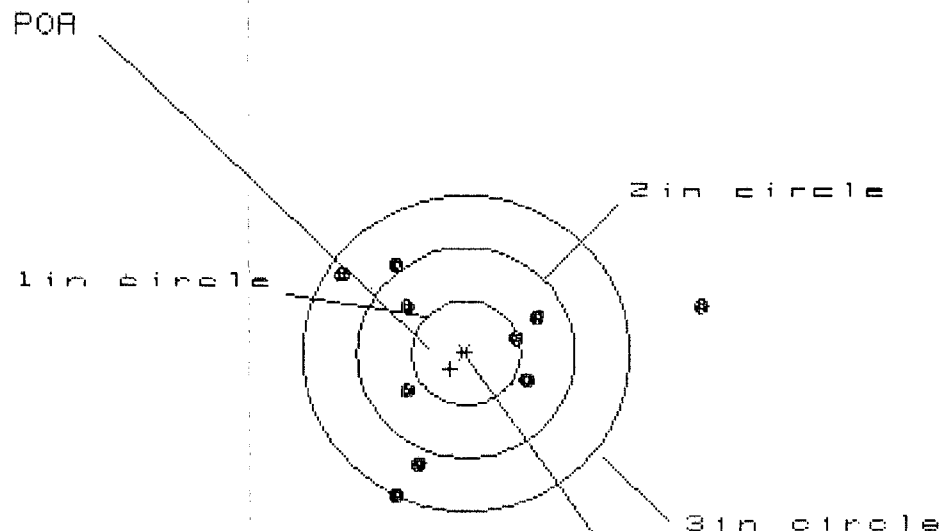
GS= 3.617

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.374	.663	.679
MINIMUM X	-1.002	-.850	-.834
MAXIMUM Y	2.174	1.623	.862
MINIMUM Y	-1.085	-.844	-.641
CENTROID X	.098	.054	-.071
CENTROID Y	.431	.190	-.013
POA TO CENTROID in.	.442	.197	.072
MIN RADIUS	.544	.341	.220
MEAN RADIUS	1.028	.772	.613
MAX RADIUS	2.572	1.629	1.005
HORIZONTAL SPREAD	2.376	1.513	1.513
VERTICAL SPREAD	3.259	2.467	1.503
EXTREME SPREAD	3.617	2.473	1.659
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

18 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 3.323

VS= 2.153

GS= 3.337

CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.186	.937	.892
MINIMUM X	-1.137	-.894	-.939
MAXIMUM Y	.840	.889	.732
MINIMUM Y	-1.313	-1.264	-1.115
CENTROID X	.143	-.100	-.055
CENTROID Y	.153	.104	.261
POA TO CENTROID in.	.210	.144	.267
MIN RADIUS	.488	.437	.471
MEAN RADIUS	1.040	.893	.827
MAX RADIUS	2.230	1.312	1.137
HORIZONTAL SPREAD	3.323	1.831	1.831
VERTICAL SPREAD	2.153	2.153	1.846
EXTREME SPREAD	3.337	2.155	1.965
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

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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 = 0

2 in = 6

3 in = 10

HS= 2.013

VS= 2.041

GS= 2.251

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.122	1.023	.977
MINIMUM X	:	-.891	-.667	-.713
MAXIMUM Y	:	.932	1.032	.906
MINIMUM Y	:	-1.109	-1.009	-1.033
CENTROID X	:	.158	.257	.303
CENTROID Y	:	-.003	-.103	.023
POA TO CENTROID in.	:	.158	.277	.303
MIN RADIUS	:	.517	.490	.436
MEAN RADIUS	:	.899	.848	.806
MAX RADIUS	:	1.268	1.129	1.036
HORIZONTAL SPREAD	:	2.013	1.690	1.690
VERTICAL SPREAD	:	2.041	2.041	1.939
EXTREME SPREAD	:	2.251	2.058	1.997
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

10 May 1991

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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 = 4

2 in = 7

3 in = 10

HS= 1.687

VS= 2.140

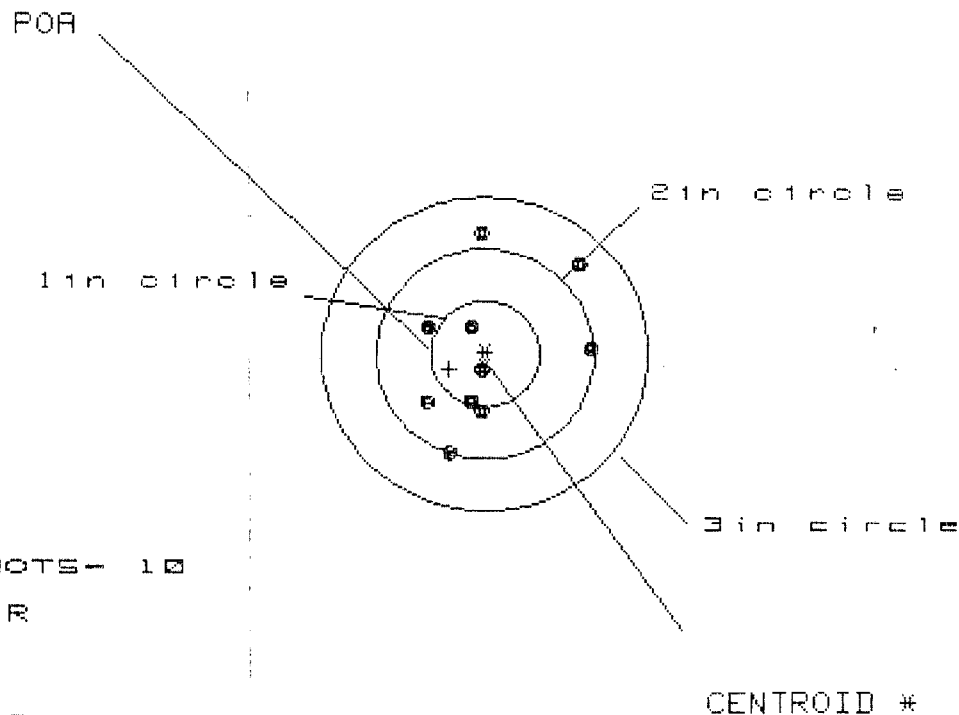
GS= 2.285

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	.983	.517
MINIMUM X	:	-.663	-.704	-.581
MAXIMUM Y	:	.937	.804	.826
MINIMUM Y	:	-1.203	-.729	-.707
CENTROID X	:	.028	.069	-.054
CENTROID Y	:	-.092	.041	.019
POA TO CENTROID in.	:	.097	.081	.057
MIN RADIUS	:	.186	.209	.089
MEAN RADIUS	:	.645	.576	.497
MAX RADIUS	:	1.257	.999	.975
HORIZONTAL SPREAD	:	1.687	1.687	1.098
VERTICAL SPREAD	:	2.140	1.533	1.533
EXTREME SPREAD	:	2.285	1.758	1.567
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.544

VS= 2.055

GS= 2.127

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.994	1.093	1.103
MINIMUM X	:	-.550	-.451	-.441
MAXIMUM Y	:	1.159	1.249	.505
MINIMUM Y	:	-.896	-.806	-.650
CENTROID X	:	.328	.229	.219
CENTROID Y	:	.144	.054	-.102
POA TO CENTROID in.	:	.358	.235	.241
MIN RADIUS	:	.168	.078	.102
MEAN RADIUS	:	.713	.622	.515
MAX RADIUS	:	1.206	1.251	1.136
HORIZONTAL SPREAD	:	1.544	1.544	1.544
VERTICAL SPREAD	:	2.055	2.055	1.155
EXTREME SPREAD	:	2.127	2.086	1.651
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	