

C6649117

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

Remington
 MODEL 700™ H24

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

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

SERIAL NO.
 C6649117

ORDER NO.
 5716

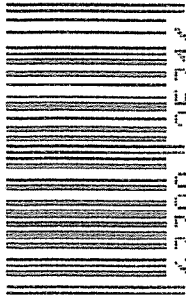
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6649117

UPC



0 4700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6649117**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KJ
600	Proof		6/24/91	KJ
607	Check Headspace		6/24/91	KJ
610	Dis-assemble Gun		6/24/91	KJ
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	GL
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-31-91	JY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	6	6			7-31-91	DH
	G) Safety Off Force	4	4 1/2	4			7-31-91	DH
	H) Trigger Pull Test & Retainability						7-31-91	JH
	I) Firing Pin Indent	.020	.020	.021			7-31-91	DH
	J) Assemble Stock						7/31/91	KL
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/31/91	KL
	M) Iron Sight Alignment						7/31/91	KL
	N) Detach Front & Rear Sights & place in numbered container						7/31/91	KL
	O) Attach Scope to Rifle						7/31/91	KL
	P) Detach & Attach Scope 20 Times						7/31/91	KL
640	Gallery Target & Test						8-1-91	DH
	A) Time						8-1-91	DH
	B) Malfunctions						8-1-91	DH
	C) Pierced Primers						8-1-91	DH
	D) Optical Clarity of Scope						8-1-91	DH
645	Inspect for Live Ammo						8-1-91	DH
655	Final Inspection							
	A) Headspace						8-5-91	KL
	B) Trigger Pull	2.40	2.46	2.26	2.53	2.49	8-5-91	JH
	C) Function						8-5-91	KL
660	Pack						7-17-91	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6649117
DATE 7-31-41
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.41	2.38	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.32	2.44	2.46	
PULL #3	2.27	2.33	2.30	2.26	
PULL #4	2.41	2.39	2.38	2.53	
PULL #5	2.46	2.36	2.38	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.62		
PULL #2	3.52	3.60		
PULL #3	3.48	3.58		
PULL #4	3.70	3.62		
PULL #5	3.53	3.49		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.27		4.40
PULL #2	4.23	4.33		4.44
PULL #3	4.43	4.44		4.44
PULL #4	4.40	4.39		4.44
PULL #5	4.36	4.31		4.45
TOTAL				
AVG.				

001 DISTANCE CALCULATIONS
RIFLE # C6649117
1 Aug 1991

CENTROIDAL DISTANCES

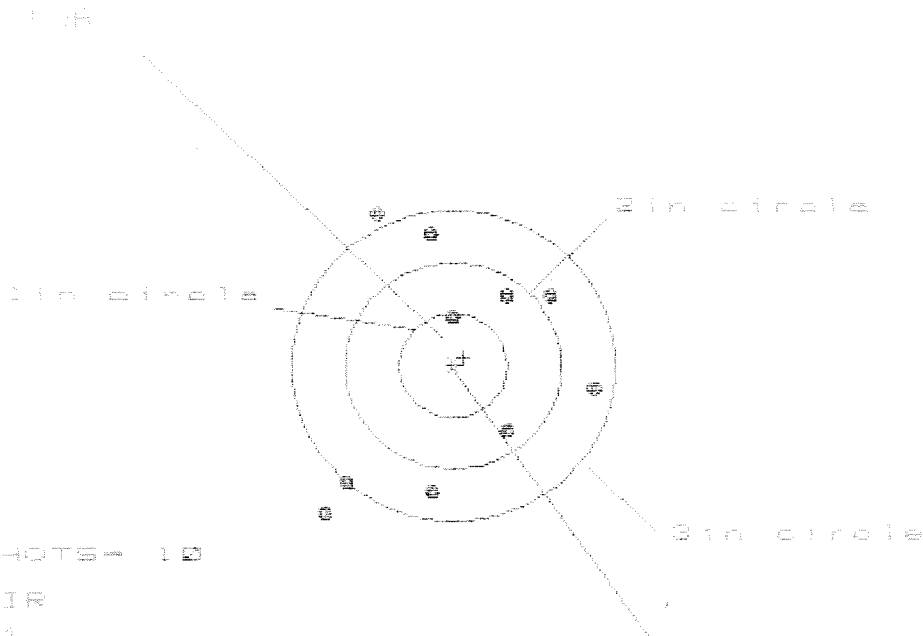
0 TO	1	.122919
1 TO	2	.409646
1 TO	3	.335477
1 TO	4	.300958
1 TO	5	.255221

30 <----POA

THE RIFLE'S X-COORDINATE FOR THIS RIFLE IS: -.1388
THE RIFLE'S Y-COORDINATE FOR THIS RIFLE IS: .132
THE RIFLE'S AVERAGE POI RADIUS FOR THIS RIFLE IS: .191545
THE APM FOR THIS RIFLE IS: 1.004

FILE:/PATTERNING/CENTERFIRE_PATT/C8649117

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in 1

2 in 2

3 in 7

MEAN 0.400

SD 0.540

ME 0.001

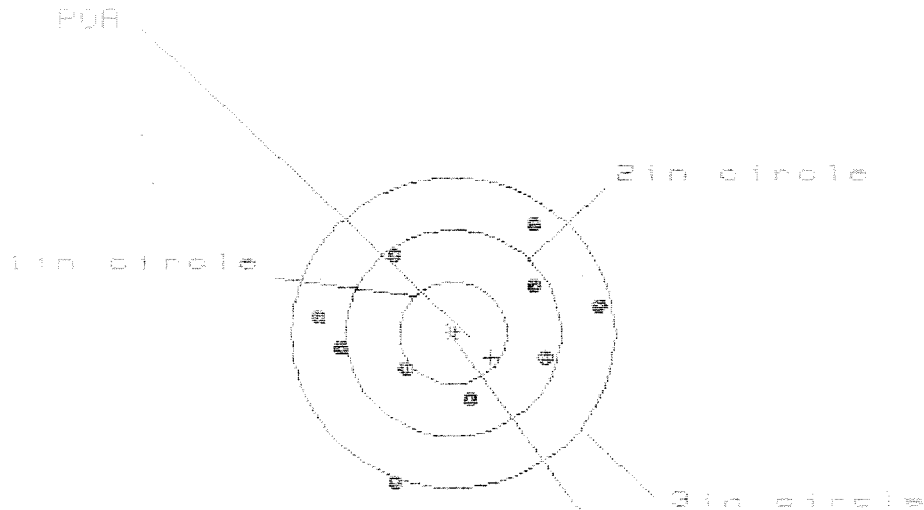
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.269	1.139	1.035
MINIMUM X	:	-1.107	-1.106	-1.210
MAXIMUM Y	:	1.514	1.355	1.292
MINIMUM Y	:	-1.429	-1.340	-1.171
CENTROID X	:	-0.095	.035	.139
CENTROID Y	:	-0.078	.081	.000
FOR TO CENTROID in.	:	.123	.080	.105
MIN RADIUS	:	.456	.309	.504
MEAN RADIUS	:	1.206	1.093	1.028
MAX RADIUS	:	1.845	1.696	1.647
HORIZONTAL SPREAD	:	2.436	2.245	2.245
VERTICAL SPREAD	:	2.943	2.695	2.463
EXTREME SPREAD	:	3.001	2.747	2.653
NUMBER IN ONE INCH CIRCLE	=	1	1	1
NUMBER IN TWO INCH CIRCLE	=	3	3	3
NUMBER IN THREE INCH CIRCLE	=	8	8	8

1 Aug 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C8549117

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

ME = 2.556

VE = 2.516

GE = 2.867

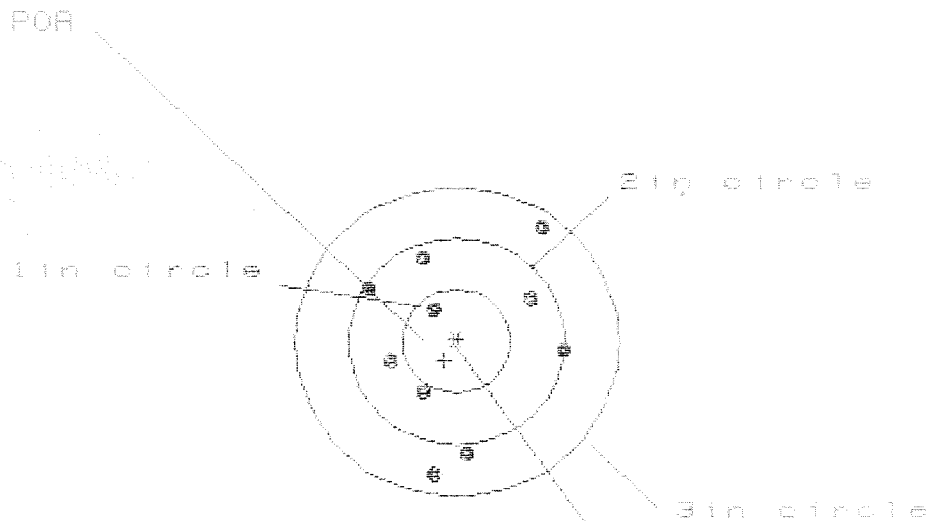
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.305	1.239	1.329
MINIMUM X	-1.251	-1.317	-1.227
MAXIMUM Y	1.105	.948	.683
MINIMUM Y	-1.411	-1.794	-1.675
CENTROID X	-.352	-.286	-.376
CENTROID Y	.241	.398	.279
POA TO CENTROID in.	.426	.490	.468
MIN RADIUS	.547	.699	.553
MEAN RADIUS	1.045	.989	.947
MAX RADIUS	1.529	1.317	1.351
HORIZONTAL SPREAD	2.556	2.556	2.556
VERTICAL SPREAD	2.516	1.742	1.358
EXTREME SPREAD	2.867	2.557	2.557
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

1 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

ME = 1.8337

CS = 0.4444

GS = 0.8440

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.991	1.076	1.058
MINIMUM X	-.846	-.761	-.778
MAXIMUM Y	1.152	.897	.752
MINIMUM Y	-1.292	-1.164	-1.064
CENTROID X	.112	.027	.044
CENTROID Y	.186	.058	.203
POA TO CENTROID in.	.217	.064	.200
MIN RADIUS	.485	.455	.360
MEAN RADIUS	.900	.832	.777
MAX RADIUS	1.386	1.172	1.069
HORIZONTAL SPREAD	1.837	1.837	1.837
VERTICAL SPREAD	2.444	2.061	1.816
EXTREME SPREAD	2.640	2.063	1.933
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

1 Aug 1931

FILE:/PATTERNING/CENTERFIRE_PATT/06645117

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.404

VS= 2.433

GS= 2.943

CENTROID #

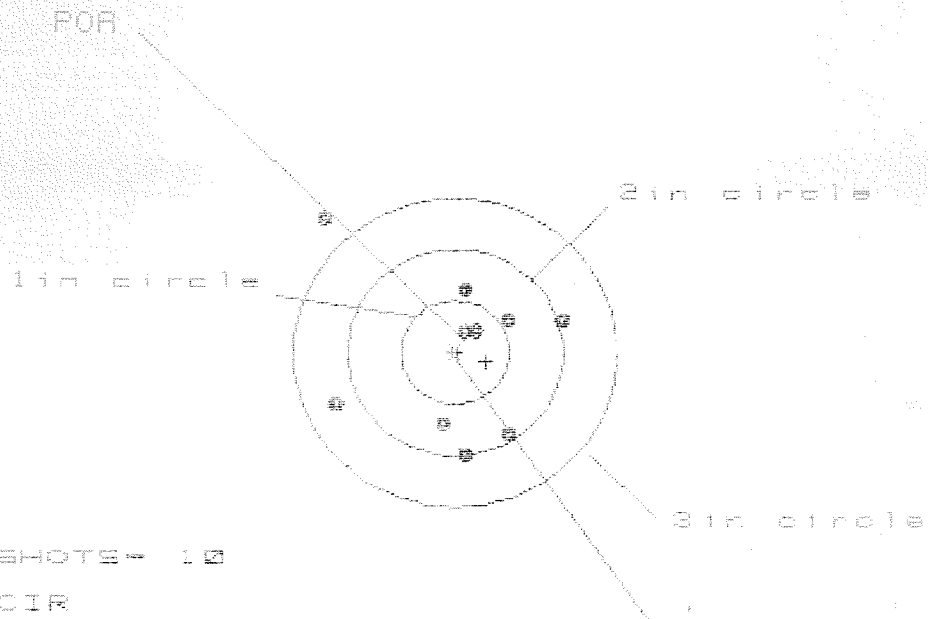
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.230	1.351	1.295
MINIMUM X	-1.174	-1.053	-1.109
MAXIMUM Y	1.192	1.024	.885
MINIMUM Y	-1.241	-1.109	-1.630
CENTROID X	-.071	-.192	-.136
CENTROID Y	.222	.090	.229
POA TO CENTROID in.	.234	.212	.266
MIN RADIUS	.350	.201	.294
MEAN RADIUS	1.030	.931	.905
MAX RADIUS	1.614	1.423	1.372
HORIZONTAL SPREAD	2.404	2.404	2.404
VERTICAL SPREAD	2.433	2.133	1.515
EXTREME SPREAD	2.943	2.508	2.508
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

1 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06849117

CENTERFIRE PATTERNS

5



OF SHOTS - 10

IN CIR

1in - 2

2in - 7

3in - 8

HS - 2.191

VS - 2.228

GS - 2.668

CENTROID *

PATTERN #			
#			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.020	.893	.737
MINIMUM X	-1.168	-1.250	-1.434
MAXIMUM Y	1.279	.737	.693
MINIMUM Y	-.941	-.799	-.840
CENTROID X	-.288	-.158	-.002
CENTROID Y	.089	-.053	-.009
POA TO CENTROID in.	.301	.167	.009
MIN RADIUS	.237	.373	.348
MEAN RADIUS	.837	.730	.639
MAX RADIUS	1.732	1.299	.958
HORIZONTAL SPREAD	2.191	2.143	1.171
VERTICAL SPREAD	2.228	1.536	1.536
EXTREME SPREAD	2.668	2.281	1.545
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	