

C6636173

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6636173

ORDER NO.
5716

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

20



5716 C6636173

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636173

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/2/91	K.S.
600	Proof		4/2/91	K.S.
607	Check Headspace		4/2/91	K.S.
610	Dis-assemble Gun		4/2/91	K.S.
612	Magnaflux Barrel Action		4/16/91	KF
	Magnaflux Bolt		4/16/91	U
615	Rollmark Caliber		4/16/91	YJ
617	Drill and Tap Sight Holes	APR 19 1991	APR 19 1991	FB
618	Polish Barrel	APR 19 1991	APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)		5-10-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		5/28/91	FS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/28/91	KS
	C) Inspect Ejector Hole for Chamfer		5/28/91	KS
	D) Oil Firing Pin Ass'y		5/28/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/29/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/29/91	SL
	G) Safety Off Force	3	3	3			5/29/91	SL
	H) Trigger Pull Test & Retainability						5/29/91	SL
	I) Firing Pin Indent	020	020	020			5/29/91	SL
	J) Assemble Stock						5/29/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/29/91	KS
	M) Iron Sight Alignment						5/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/29/91	KS
	O) Attach Scope to Rifle						5/29/91	KS
	P) Detach & Attach Scope 20 Times						5/29/91	KS
640	Gallery Target & Test						5/30/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/30/91	KT
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.19	2.22	2.15	2.18	2.18	6/1/91	SL
	C) Function						6-1-91	DH
660	Pack						6-20-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. 26636173
DATE 5/29/91
TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.61	2.42	2.30	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.30	2.43	2.22	
PULL #3	2.66	2.37	2.40	2.15	
PULL #4	2.62	2.38	2.37	2.18	
PULL #5	2.66	2.28	2.35	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.15		
PULL #2	3.38	3.35		
PULL #3	3.49	3.26		
PULL #4	3.39	3.44		
PULL #5	3.24	3.22		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.19		4.54
PULL #2	4.27	4.20		4.34
PULL #3	4.24	4.24		4.38
PULL #4	4.28	4.24		4.35
PULL #5	4.28	4.21		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636173
31 May 1991

CENTROIDAL DISTANCES

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1 TO	2	.859039
1 TO	3	.506005
1 TO	4	.190263
1 TO	5	.428613

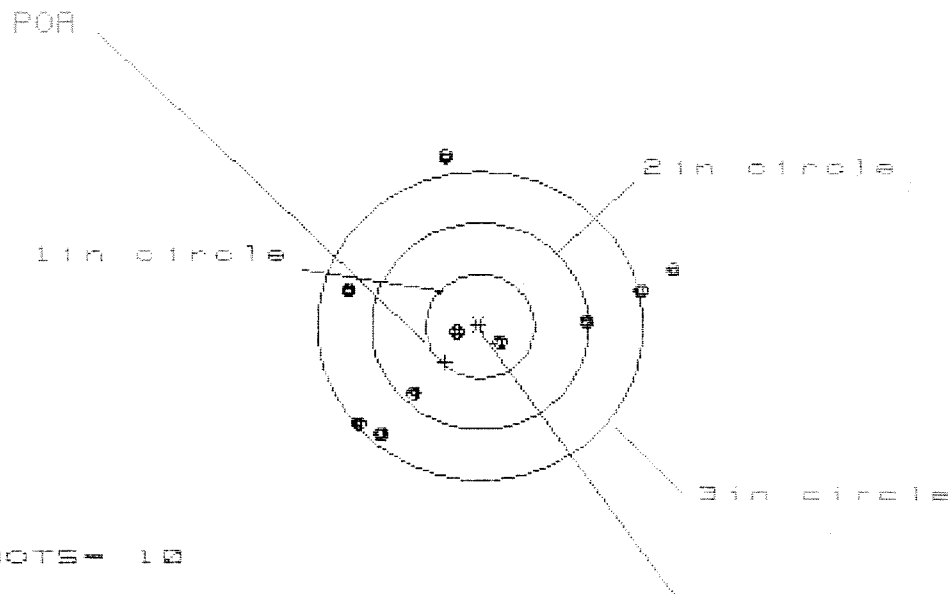
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FILE:/PATTERNING/CENTERFIRE_PATT/00600173

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.950

VS= 2.693

GS= 3.228

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.757	1.698	1.684
MINIMUM X	-1.193	-0.998	-1.012
MAXIMUM Y	1.643	1.699	.652
MINIMUM Y	-1.050	-0.994	-0.781
CENTROID X	.321	.126	.140
CENTROID Y	.350	.294	.082
POA TO CENTROID in.	.475	.320	.162
MIN RADIUS	.202	.051	.219
MEAN RADIUS	1.154	1.046	.954
MAX RADIUS	1.829	1.736	1.779
HORIZONTAL SPREAD	2.950	2.696	2.696
VERTICAL SPREAD	2.693	2.693	1.434
EXTREME SPREAD	3.228	2.911	2.911
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE:/PATTERNING/CENTERFIRE_PATT/08030173

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 2.140

VS = 2.927

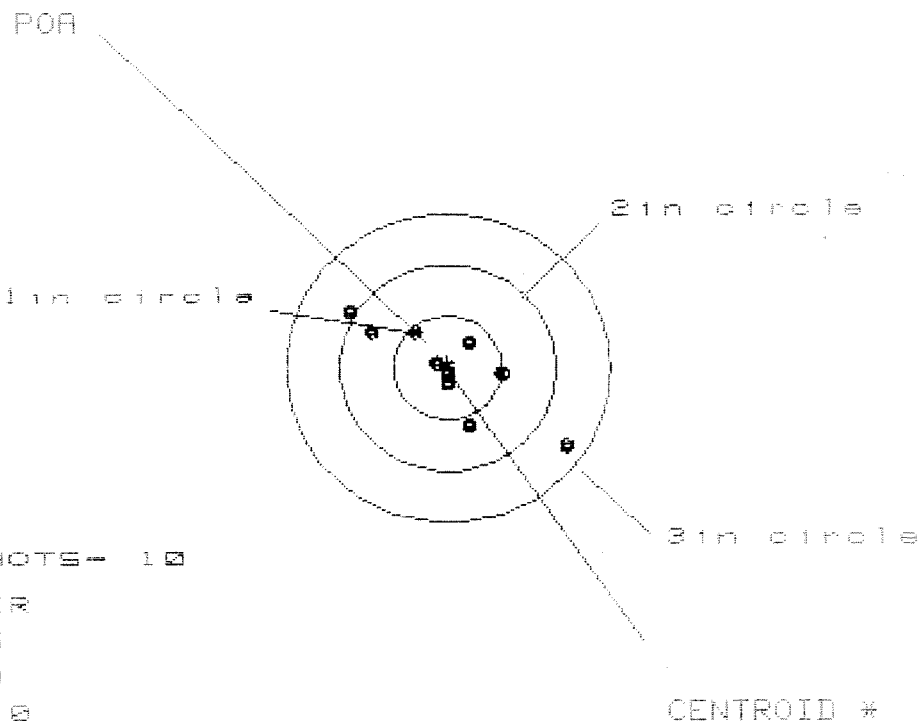
GS = 3.226

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.074	1.004	.881
MINIMUM X	:	-1.066	-1.136	-1.010
MAXIMUM Y	:	.971	.754	.618
MINIMUM Y	:	-1.956	-1.086	-.873
CENTROID X	:	.284	.354	.228
CENTROID Y	:	-.308	-.091	.045
POA TO CENTROID in.	:	.419	.365	.233
MIN RADIUS	:	.101	.281	.361
MEAN RADIUS	:	1.018	.892	.820
MAX RADIUS	:	2.054	1.479	1.084
HORIZONTAL SPREAD	:	2.140	2.140	1.891
VERTICAL SPREAD	:	2.927	1.840	1.491
EXTREME SPREAD	:	3.226	2.600	2.071
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= 1.981

VS= 1.288

GS= 2.363

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.051	.654	.553
MINIMUM X	-.930	-.813	-.650
MAXIMUM Y	.582	.504	.353
MINIMUM Y	-.706	-.592	-.529
CENTROID X	.006	-.111	-.010
CENTROID Y	-.046	.032	-.001
POA TO CENTROID in.	.047	.116	.032
MIN RADIUS	.092	.044	.077
MEAN RADIUS	.536	.457	.374
MAX RADIUS	1.266	.956	.740
HORIZONTAL SPREAD	1.981	1.467	1.203
VERTICAL SPREAD	1.288	1.096	.882
EXTREME SPREAD	2.363	1.612	1.286
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

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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 = 2

2 in = 5

3 in = 8

HS = 3.078

VS = 2.489

GS = 3.958

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.543	1.102	.931
MINIMUM X	:	-1.535	-1.363	-.980
MAXIMUM Y	:	1.498	1.156	1.053
MINIMUM Y	:	-.991	-.825	-.537
CENTROID X	:	.199	.027	.198
CENTROID Y	:	.204	.038	.141
POA TO CENTROID in.	:	.285	.047	.243
MIN RADIUS	:	.253	.026	.209
MEAN RADIUS	:	.980	.820	.716
MAX RADIUS	:	2.150	1.593	1.438
HORIZONTAL SPREAD	:	3.078	2.465	1.911
VERTICAL SPREAD	:	2.489	1.981	1.590
EXTREME SPREAD	:	3.958	2.575	2.486
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/08636173

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.159

VS= 1.341

GS= 2.484

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.994

.864

.752

MINIMUM X

-1.165

-.906

-.738

MAXIMUM Y

.710

.670

.615

MINIMUM Y

-.631

-.552

-.607

CENTROID X

.246

.376

.268

CENTROID Y

-.072

-.151

-.096

POA TO CENTROID in.

.257

.405

.285

MIN RADIUS

.065

.193

.079

MEAN RADIUS

.700

.610

.562

MAX RADIUS

1.365

1.127

1.007

HORIZONTAL SPREAD

2.159

1.770

1.550

VERTICAL SPREAD

1.341

1.222

1.222

EXTREME SPREAD

2.484

2.089

1.581

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10