

06636020

MODEL 700™ M24

Model SMS™

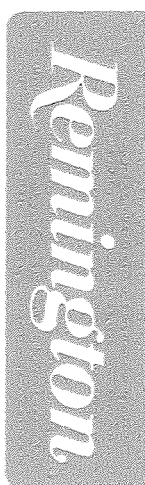
Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



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

MODEL 700™ M24

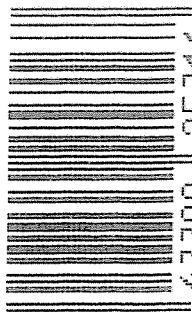
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO.
C6636020

ORDER NO.
5716

UPC



0 47700 25716 7



5716 C6636020

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636020

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		Ked
	Magnaflux Bolt	5 8 9 1		Ked
615	Rollmark Caliber			GR
617	Drill and Tap Sight Holes	5 15 9 1		Ed
618	Polish Barrel	5 15 9 1		Ed
620	Apply Coatings (Barrel Action)		5-31-91	GA
	Apply Coating (Bolt)			
625	Final Assembly		6-6-91	K.S.
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6-6-91	K.S.
	C) Inspect Ejector Hole for Chamfer		6-6-91	K.S.
	D) Oil Firing Pin Ass'y		6-6-91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		6-10-91	JP

Op. #	BARBER M24 0036757	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-10-91	JH
	G) Safety Off Force	4	4	4			6-10-91	JH
	H) Trigger Pull Test & Retainability						6-10-91	JH
	I) Firing Pin Indent	.0225	.0225	.0225			6-10-91	JH
	J) Assemble Stock						6-10-91	
	K) Assemble Swivel Studs						6-13-91	AE
	L) Attach Front and Rear Sight Assemblies						6-10-91	
	M) Iron Sight Alignment						6-10-91	
	N) Detach Front & Rear Sights & place in numbered container						6-10-91	
	O) Attach Scope to Rifle						6-10-91	
	P) Detach & Attach Scope 20 Times						6-10-91	
640	Gallery Target & Test						6-11-91	AE
	A) Time						"	AE
	B) Malfunctions						"	AE
	C) Pierced Primers						"	AE
	D) Optical Clarity of Scope						"	AE
645	Inspect for Live Ammo						6-11-91	AE
655	Final Inspection							
	A) Headspace						6-13-91	AE
	B) Trigger Pull	2.23	2.22	2.22	2.23	2.24	6-13-91	JH
	C) Function						6-13-91	AE
660	Pack						6-19-91	AE

MOD. _____ GA. CAL. _____ GUN # 6020

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
NF	6/11	Ejector Sticks & Safe Binds	KS
	2nd		
		Ejector polished and stock filed	KS
	3rd		
		100 Rd test OK June 12, 1991 AC	
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100 Rd test June 12 1991 OK	AS
TEST <i>AC</i>		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

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

SERIAL NO. C-6636020
DATE 6-10-91
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.61	2.54	2.55	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.53	2.48	2.22	
PULL #3	2.59	2.49	2.53	2.22	
PULL #4	2.48	2.51	2.58	2.23	
PULL #5	2.54	2.59	2.58	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.30		
PULL #2	3.40	3.27		
PULL #3	3.38	3.33		
PULL #4	3.25	3.35		
PULL #5	3.30	3.36		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.64	4.24		4.34
PULL #2	4.57	4.56		4.15
PULL #3	4.52	4.58		4.21
PULL #4	4.43	4.36		4.13
PULL #5	4.46	4.40		4.21
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636020
12 Jun 1991

CENTROIDAL DISTANCES

0	TO	1	.151076
1	TO	2	.331789
1	TO	3	.140132
1	TO	4	.359201
1	TO	5	.421627

P_4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2328
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1098
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .257394
THE AMR FOR THIS RIFLE IS: 1.172

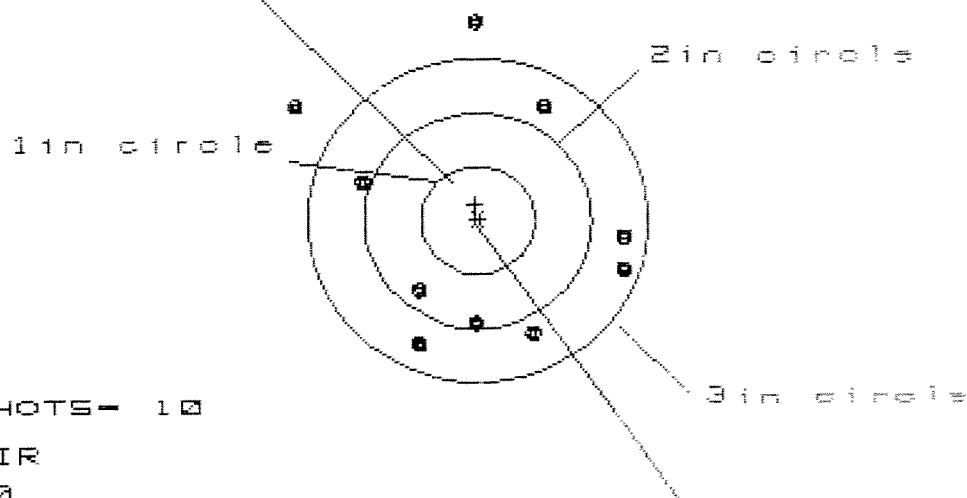
11 Jun 1991

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CENTERFIRE PATTERNS

1

FOR



OF SHOTS- 10

IN CIR

1in - 0

2in - 2

3in = 8

HS- 2.980

VS= 2.966

GS= 3.318

CENTROID +

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.313	1.128	1.183
MINIMUM X	:	-1.667	-1.175	-1.200
MAXIMUM Y	:	1.863	1.976	1.452
MINIMUM Y	:	-1.103	-0.990	-0.743
CENTROID X	:	.018	.203	.228
CENTROID Y	:	-.150	-.263	-.569
POA TO CENTROID in.	:	.151	.332	.556
MIN RADIUS	:	.843	.817	.589
MEAN RADIUS	:	1.297	1.196	1.042
MAX RADIUS	:	1.952	1.986	1.507
HORIZONTAL SPREAD	:	2.980	2.203	2.363
VERTICAL SPREAD	:	2.966	2.966	2.196
EXTREME SPREAD	:	3.318	3.007	2.466
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	8		

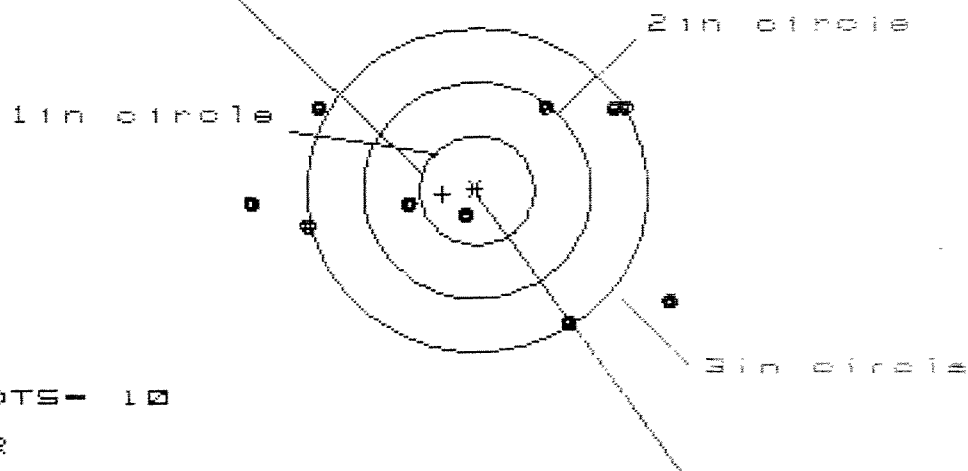
11 Jun 1991

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CENTERFIRE PATTERNS

2

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 5

HS= 3.708

VS= 2.017

GS= 3.815

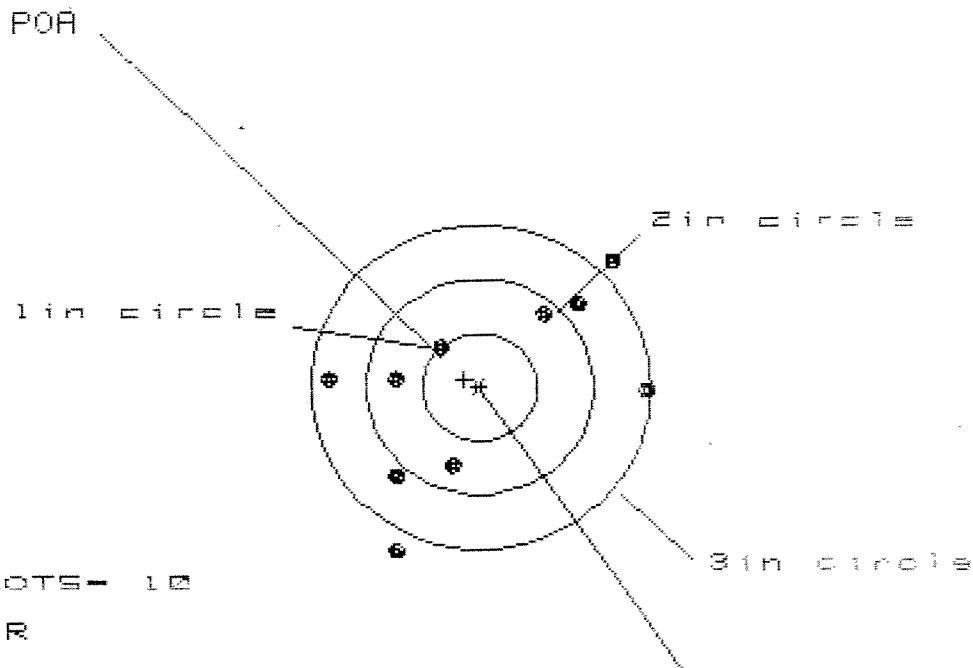
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.711	1.538	1.312
MINIMUM X	:	-1.997	-1.806	-1.541
MAXIMUM Y	:	.810	.691	.655
MINIMUM Y	:	-1.207	-1.326	-1.362
CENTROID X	:	.298	.107	.333
CENTROID Y	:	.028	.147	.183
POA TO CENTROID in.	:	.299	.182	.380
MIN RADIUS	:	.212	.320	.268
MEAN RADIUS	:	1.346	1.260	1.185
MAX RADIUS	:	2.017	1.830	1.615
HORIZONTAL SPREAD	:	3.708	3.344	2.953
VERTICAL SPREAD	:	2.017	2.017	2.017
EXTREME SPREAD	:	3.815	3.474	3.057
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.772

VS= 2.679

GS= 3.257

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.455	1.377	1.512
MINIMUM X	:	-1.317	-1.395	-1.260
MAXIMUM Y	:	1.181	1.014	1.708
MINIMUM Y	:	-1.499	-1.980	-1.853
CENTROID X	:	.137	.215	.088
CENTROID Y	:	-.076	.091	-.036
POA TO CENTROID in.	:	.156	.233	.088
MIN RADIUS	:	.448	.407	.382
MEAN RADIUS	:	1.112	1.041	.967
MAX RADIUS	:	1.655	1.477	1.514
HORIZONTAL SPREAD	:	2.772	2.772	2.772
VERTICAL SPREAD	:	2.679	1.994	1.561
EXTREME SPREAD	:	3.257	2.774	2.774
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.758

VS= 3.058

GS= 3.276

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.945	.627	.611
MINIMUM X	:	-.814	-.709	-.725
MAXIMUM Y	:	1.073	.852	.657
MINIMUM Y	:	-1.985	-1.561	-.857
CENTROID X	:	.305	.201	.217
CENTROID Y	:	-.366	-.145	.050
POA TO CENTROID in.	:	.477	.248	.223
MIN RADIUS	:	.153	.103	.298
MEAN RADIUS	:	.933	.745	.627
MAX RADIUS	:	2.199	1.566	.858
HORIZONTAL SPREAD	:	1.758	1.336	1.236
VERTICAL SPREAD	:	3.058	2.413	1.514
EXTREME SPREAD	:	3.276	2.413	1.525
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

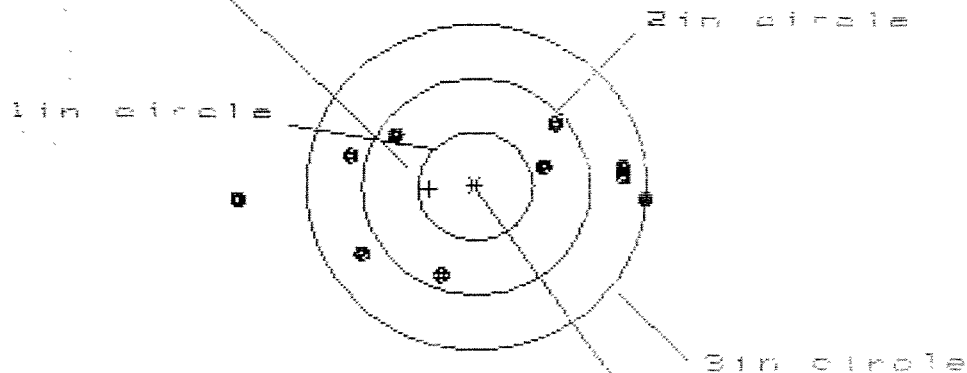
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CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.549

VS= 1.403

GS= 3.549

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.478	1.248	1.216
MINIMUM X	:	-2.071	-1.367	-1.211
MAXIMUM Y	:	.558	.541	.525
MINIMUM Y	:	-.845	-.862	-.878
CENTROID X	:	.406	.636	.430
CENTROID Y	:	.015	.032	.046
POA TO CENTROID in.	:	.406	.637	.482
MIN RADIUS	:	.585	.362	.584
MEAN RADIUS	:	1.171	1.033	1.011
MAX RADIUS	:	2.077	1.385	1.246
HORIZONTAL SPREAD	:	3.549	2.615	2.427
VERTICAL SPREAD	:	1.403	1.403	1.403
EXTREME SPREAD	:	3.549	2.639	2.429
NUMBER IN ONE INCH CIRCLE =	:	0		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	6		