

C6636300

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®] **DU PONT**
REG. U.S. PAT. & TM. OFF.

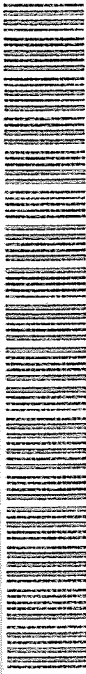
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700[™] M24

SERIAL NO.
C6606300

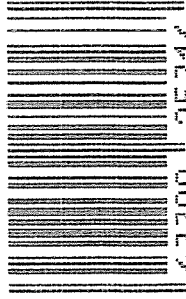
ORDER NO.
5716

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



5716 C6606300

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636300

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KE
600	Proof		6/24/91	KE
607	Check Headspace		6/24/91	KE
610	Dis-assemble Gun		6/24/91	KE
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	GS
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	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/5/91	KE
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/5/91	KE
	C) Inspect Ejector Hole for Chamfer		8/5/91	KE
	D) Oil Firing Pin Ass'y		8/5/91	KE
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-91	KE

op. #	BARBER, M24 0032777 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4	4 1/4			8-6-91	DH
	G) Safety Off Force	2	2	2			8-6-91	DH
	H) Trigger Pull Test & Retainability						8-6-91	JH
	I) Firing Pin Indent	.023	.023	.022			8-6-91	DH
	J) Assemble Stock						8/6/91	KH
	K) Assemble Swivel Studs						8-7-91	JH
	L) Attach Front and Rear Sight Assemblies						8/6/91	KH
	M) Iron Sight Alignment						8/6/91	KH
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	KH
	O) Attach Scope to Rifle						8/6/91	KH
	P) Detach & Attach Scope 20 Times						8/6/91	KH
640	Gallery Target & Test						8/6/91	KH
	A) Time							KH
	B) Malfunctions							KH
	C) Pierced Primers							KH
	D) Optical Clarity of Scope							KH
645	Inspect for Live Ammo						8/6/91	KH
655	Final Inspection							
	A) Headspace						8-7-91	JH
	B) Trigger Pull	2.20	2.27	2.30	2.32	2.39	8-7-91	JH
	C) Function						8-7-91	JH
660	Pack						8-7-91	DH

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

SERIAL NO. C6636300DATE 8-6-81TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.56	2.44	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.51	2.40	2.27	
PULL #3	2.51	2.48	2.41	2.30	
PULL #4	2.27	2.32	2.35	2.32	
PULL #5	2.46	2.35	2.38	2.39	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.62	3.42		
PULL #2	3.39	3.33		
PULL #3	3.41	3.40		
PULL #4	3.43	3.32		
PULL #5	3.43	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.15		4.60
PULL #2	4.40	4.57		4.62
PULL #3	4.33	4.58		4.45
PULL #4	4.33	4.54		4.40
PULL #5	4.35	4.54		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6636300
 6 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.415928
1 TO	2	.315
1 TO	3	.459273
1 TO	4	.446839
1 TO	5	.59627

☒, <----POA

☒

CO-ORDINATE FOR THIS RIFLE IS: .138
 CO-ORDINATE FOR THIS RIFLE IS: .1268
 CLIPACE POI RADIUS FOR THIS RIFLE IS: .187409
 RIFLE IS: .7762

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636300

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.502

VS= 2.310

GS= 2.748

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.394	1.271	.906
MINIMUM X	:	-1.108	-.862	-.703
MAXIMUM Y	:	1.099	.964	.911
MINIMUM Y	:	-1.211	-.552	-.605
CENTROID X	:	.400	.523	.364
CENTROID Y	:	-.114	.021	.074
POA TO CENTROID in.	:	.416	.523	.372
MIN RADIUS	:	.260	.201	.070
MEAN RADIUS	:	.868	.774	.669
MAX RADIUS	:	1.641	1.342	1.002
HORIZONTAL SPREAD	:	2.502	2.133	1.609
VERTICAL SPREAD	:	2.310	1.516	1.516
EXTREME SPREAD	:	2.748	2.136	1.885
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6696300

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 7

2in = 8

3in = 10

HS= 2.032

VS= 1.053

GS= 2.166

CENTROID *

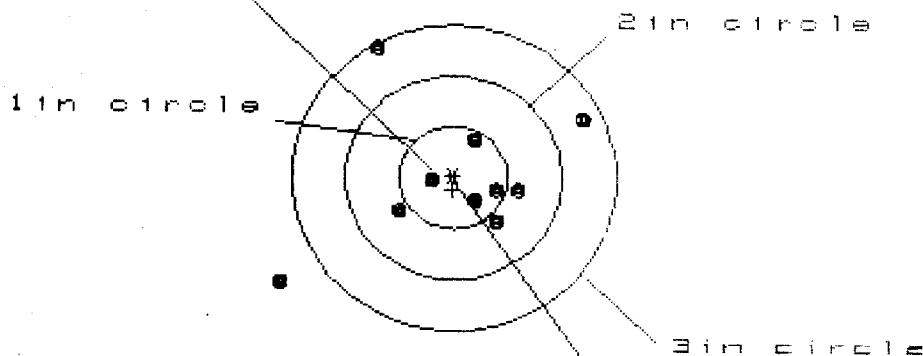
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	.471	.360
MINIMUM X	:	-1.008	-.895	-.505
MAXIMUM Y	:	.360	.283	.281
MINIMUM Y	:	-.693	-.392	-.394
CENTROID X	:	.148	.035	.146
CENTROID Y	:	.075	.152	.154
POA TO CENTROID in.	:	.166	.156	.213
MIN RADIUS	:	.085	.137	.053
MEAN RADIUS	:	.469	.391	.299
MAX RADIUS	:	1.236	.895	.579
HORIZONTAL SPREAD	:	2.032	1.366	.865
VERTICAL SPREAD	:	1.053	.675	.675
EXTREME SPREAD	:	2.166	1.378	.874
NUMBER IN ONE INCH CIRCLE	=	7		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG636300

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 8

HS = 2.802

VS = 2.312

GS = 3.221

CENTROID *

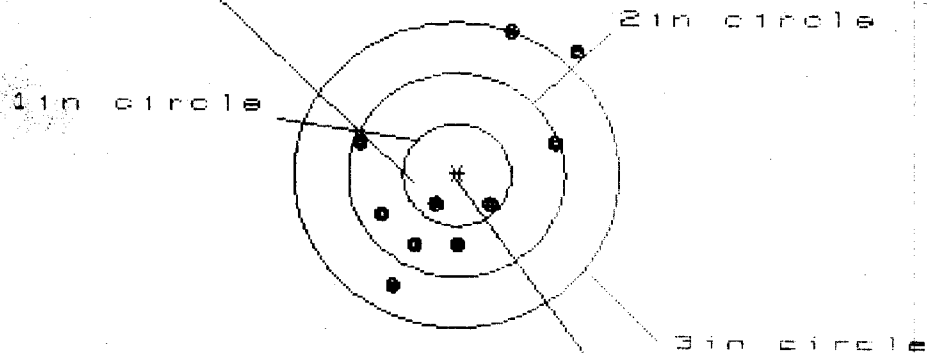
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.192	1.013	.907
MINIMUM X	:	-1.610	-.847	-.756
MAXIMUM Y	:	1.300	1.187	.613
MINIMUM Y	:	-1.012	-.490	-.341
CENTROID X	:	.006	.185	.291
CENTROID Y	:	.122	.235	.086
POA TO CENTROID in.	:	.122	.299	.303
MIN RADIUS	:	.245	.243	.191
MEAN RADIUS	:	.778	.637	.486
MAX RADIUS	:	1.902	1.458	1.095
HORIZONTAL SPREAD	:	2.802	1.860	1.663
VERTICAL SPREAD	:	2.312	1.677	.954
EXTREME SPREAD	:	3.221	2.003	1.878
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B36300

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.022

VS= 2.462

GS= 2.845

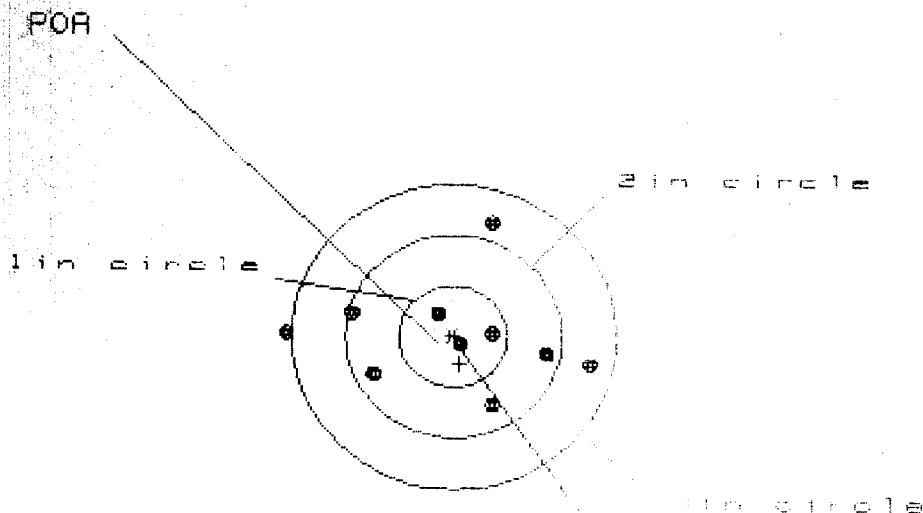
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	1.008	1.092
MINIMUM X	:	-.867	-.738	-.654
MAXIMUM Y	:	1.409	1.541	.681
MINIMUM Y	:	-1.053	-.921	-.728
CENTROID X	:	.193	.064	-.020
CENTROID Y	:	.282	.150	-.043
POA TO CENTROID in.	:	.341	.163	.047
MIN RADIUS	:	.340	.156	.072
MEAN RADIUS	:	.926	.789	.617
MAX RADIUS	:	1.658	1.682	1.287
HORIZONTAL SPREAD	:	2.022	1.746	1.746
VERTICAL SPREAD	:	2.462	2.462	1.409
EXTREME SPREAD	:	2.845	2.714	2.040
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CS636300

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.823

VS= 1.885

GS= 2.843

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.280	1.108	.840
MINIMUM X	-1.543	-1.139	-1.000
MAXIMUM Y	1.167	1.171	1.133
MINIMUM Y	-.718	-.714	-.752
CENTROID X	-.057	.115	-.024
CENTROID Y	.269	.265	.303
POA TO CENTROID in.	.275	.289	.304
MIN RADIUS	.113	.130	.128
MEAN RADIUS	.840	.744	.691
MAX RADIUS	1.543	1.183	1.174
HORIZONTAL SPREAD	2.823	2.247	1.840
VERTICAL SPREAD	1.885	1.885	1.885
EXTREME SPREAD	2.843	2.319	1.901
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		