

C6587695

MODEL 700™ M24

Model **SMS**™

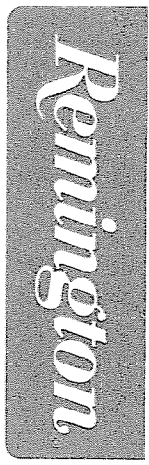
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington
 MODEL 700™ M24

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

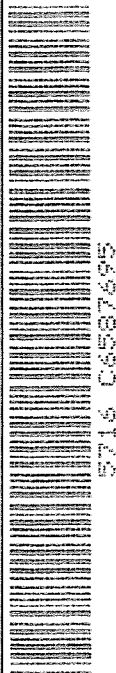
DUPONT
 REG. U.S. PAT. & TM. OFF.

SERIAL NO. C6587695

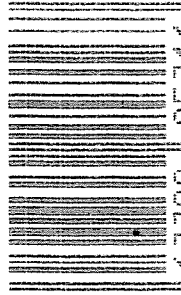
ORDER NO. 5716

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

20



UPC



0 47700 25716

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587695

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1024	90	RW
607	Check Headspace	1024	90	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		11/5/90	FB
618	Polish Barrel		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-4-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.25	4.50	4.50			1/13/91	KT
	G) Safety Off Force	3.0	3.0	3.0			1/13/91	KT
	H) Trigger Pull Test & Retainability						1-4-91	DH
	I) Firing Pin Indent	.020	.020	.020			1/13/91	KT
	J) Assemble Stock						1/8/91	RW
	K) Assemble Swivel Studs						1-14-91	JH
	L) Attach Front and Rear Sight Assemblies						1/8/91	RW
	M) Iron Sight Alignment						1/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/8/91	RW
	O) Attach Scope to Rifle						1/8/91	RW
	P) Detach & Attach Scope 20 Times						1/8/91	RW
	640	Gallery Target & Test						1-11-91
	A) Time						1-11-91	DH
	B) Malfunctions						1-11-91	DH
	C) Pierced Primers						1-11-91	DH
	D) Optical Clarity of Scope						1-11-91	DH
645	Inspect for Live Ammo						1-11-91	DH
655	Final Inspection							
	A) Headspace						1-14-91	JH
	B) Trigger Pull	2.23	2.25	2.28	2.29	2.26	1-14-91	JH
	C) Function						1-14-91	JH
660	Pack						3-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587695

DATE 1-4-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.33	2.64	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.17	2.69	2.25	
PULL #3	2.26	2.21	2.54	2.28	
PULL #4	2.23	2.21	2.64	2.29	
PULL #5	2.28	2.18	2.60	2.26	
TOTAL	11.39	11.10	13.11		
AVG.	2.27	2.22	2.62		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.79	3.16		
PULL #2	3.01	3.17		
PULL #3	3.11	3.10		
PULL #4	3.15	3.10		
PULL #5	3.19	3.08		
TOTAL	15.65	15.61		
AVG.	3.13	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.34		4.18
PULL #2	4.32	4.05		4.25
PULL #3	4.37	4.30		4.16
PULL #4	4.30	4.34		4.29
PULL #5	4.32	4.12		4.14
TOTAL	21.65	21.15		21.02
AVG.	4.33	4.23		4.20

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587695
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.174837
1 TO	2	.57053
1 TO	3	.270766
1 TO	4	.305367
1 TO	5	.129035

σ_2 <----FOR

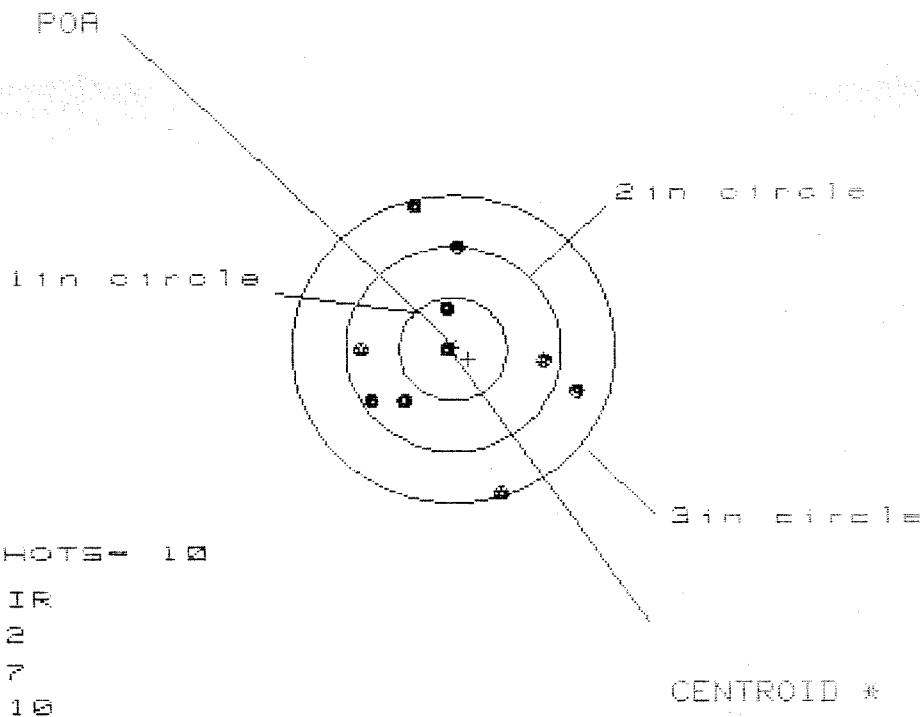
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .069
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0094
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0696373
THE AMR FOR THIS RIFLE IS: 1.02

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08587695

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.935

VS= 2.822

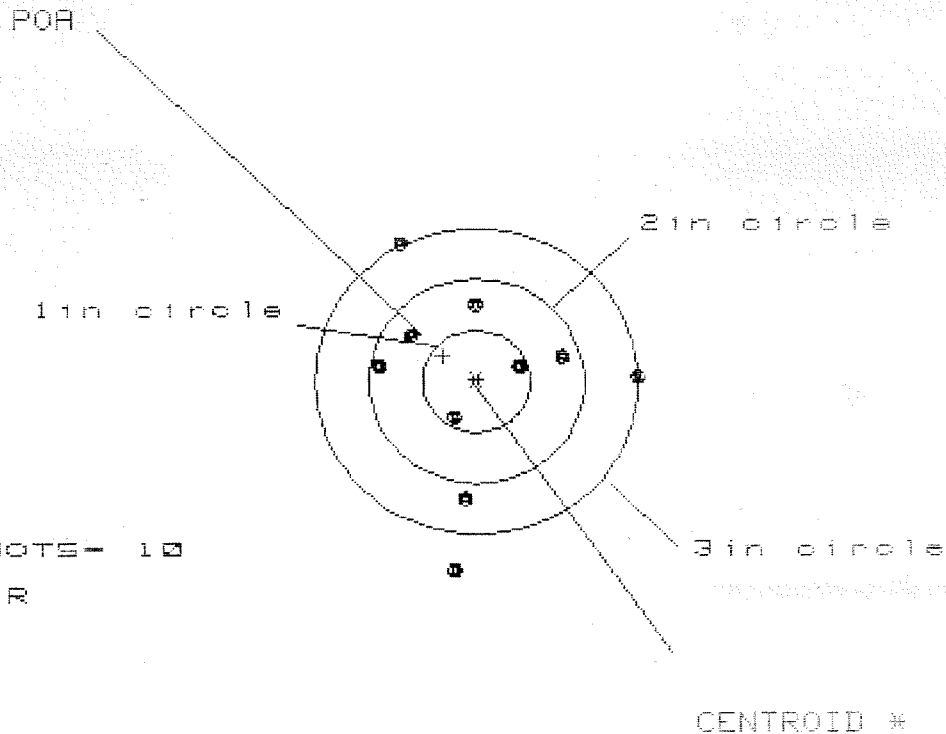
GS= 2.910

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.109	1.074	1.119
MINIMUM X	:	-.826	-.861	-.816
MAXIMUM Y	:	1.427	1.107	.953
MINIMUM Y	:	-1.394	-1.236	-.487
CENTROID X	:	-.142	-.107	-.152
CENTROID Y	:	.102	-.057	.097
POA TO CENTROID in.	:	.174	.121	.180
MIN RADIUS	:	.032	.142	.024
MEAN RADIUS	:	.871	.816	.724
MAX RADIUS	:	1.462	1.287	1.183
HORIZONTAL SPREAD	:	1.935	1.935	1.935
VERTICAL SPREAD	:	2.822	2.343	1.440
EXTREME SPREAD	:	2.910	2.363	1.983
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.441

VS = 3.229

GS = 3.267

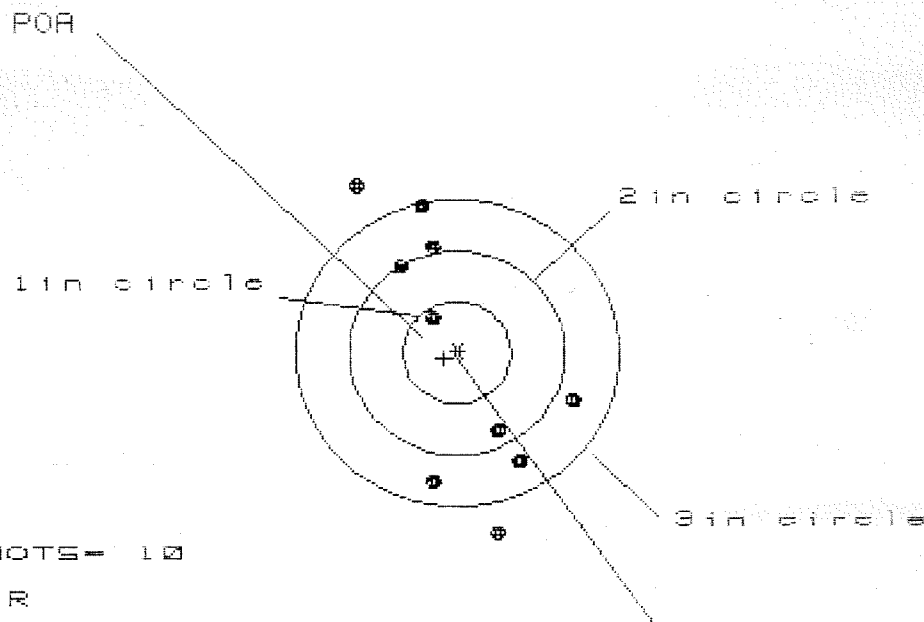
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.499	1.480	1.394
MINIMUM X	:	-.942	-.961	-1.047
MAXIMUM Y	:	1.386	1.182	.734
MINIMUM Y	:	-1.843	-1.394	-1.247
CENTROID X	:	.307	.326	.412
CENTROID Y	:	-.250	-.046	-.193
POR TO CENTROID in.	:	.396	.329	.455
MIN RADIUS	:	.357	.362	.288
MEAN RADIUS	:	1.022	.909	.845
MAX RADIUS	:	1.850	1.484	1.395
HORIZONTAL SPREAD	:	2.441	2.441	2.441
VERTICAL SPREAD	:	3.229	2.576	1.981
EXTREME SPREAD	:	3.267	2.630	2.442
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 7

HS = 2.034

VS = 3.372

GS = 3.622

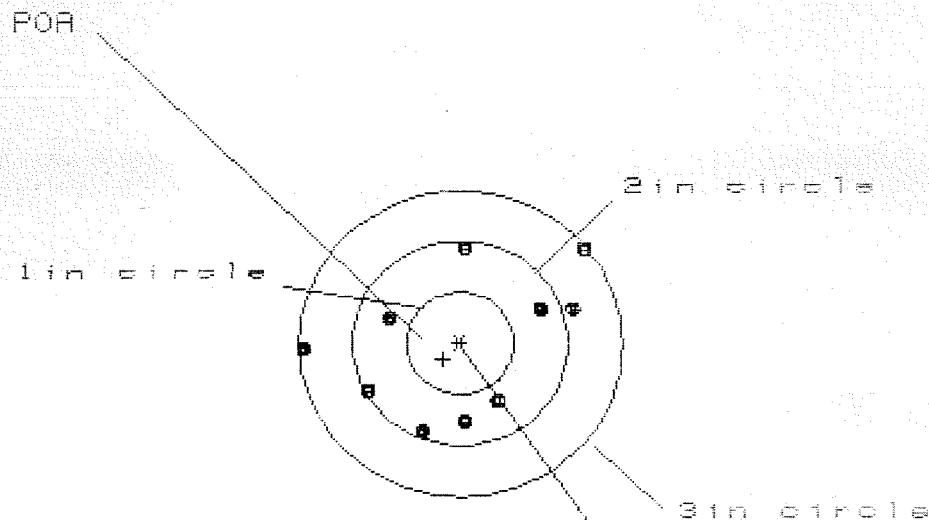
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.093	.988	1.022
MINIMUM X	:	-.942	-.593	-.559
MAXIMUM Y	:	1.635	1.647	1.453
MINIMUM Y	:	-1.737	-1.555	-1.290
CENTROID X	:	.125	.229	.195
CENTROID Y	:	.057	-.125	.069
POA TO CENTROID in.	:	.137	.261	.207
MIN RADIUS	:	.446	.583	.473
MEAN RADIUS	:	1.213	1.125	1.057
MAX RADIUS	:	1.887	1.702	1.505
HORIZONTAL SPREAD	:	2.034	1.581	1.581
VERTICAL SPREAD	:	3.372	3.202	2.743
EXTREME SPREAD	:	3.622	3.279	2.745
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 0

2in = 7

3in = 10

HS = 2.642

VS = 1.831

GS = 2.815

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.149	.983	.994
MINIMUM X	:	-1.493	-1.031	-.908
MAXIMUM Y	:	.947	.939	1.050
MINIMUM Y	:	-.884	-.892	-.781
CENTROID X	:	.158	.324	.201
CENTROID Y	:	.159	.167	.056
POA TO CENTROID in.	:	.224	.364	.268
MIN RADIUS	:	.645	.573	.537
MEAN RADIUS	:	.989	.920	.854
MAX RADIUS	:	1.495	1.325	1.084
HORIZONTAL SPREAD	:	2.642	2.014	1.982
VERTICAL SPREAD	:	1.831	1.831	1.831
EXTREME SPREAD	:	2.815	2.435	2.063
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 2.580

VS= 2.497

GS= 2.603

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.185	1.031	1.042
MINIMUM X	:	-1.395	-.903	-.892
MAXIMUM Y	:	1.226	1.246	1.090
MINIMUM Y	:	-1.271	-1.251	-1.023
CENTROID X	:	-.103	.052	.041
CENTROID Y	:	-.021	-.041	.115
POA TO CENTROID in.	:	.105	.067	.122
MIN RADIUS	:	.366	.372	.358
MEAN RADIUS	:	1.003	.946	.899
MAX RADIUS	:	1.406	1.276	1.358
HORIZONTAL SPREAD	:	2.580	1.934	1.934
VERTICAL SPREAD	:	2.497	2.497	2.113
EXTREME SPREAD	:	2.603	2.523	2.409
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	