

C6498856

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead[®]

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498856

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 30		RW
600	Proof	7 12 30		RW
607	Check Headspace	7 12 30		RW
610	Dis-assemble Gun	7 12 30		RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	SS
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel <i>FB</i>		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7/20/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/20/90	WB
	G) Safety Off Force	2	2	2			8/20/90	WB
	H) Trigger Pull Test & Retainability						8/20/90	WB
	I) Firing Pin Indent	.022	.022	.022			8/20/90	WB
	J) Assemble Stock						8/24/90	RW
	K) Assemble Swivel Studs						8/31/90	JS
	L) Attach Front and Rear Sight Assemblies						8/24/90	RW
	M) Iron Sight Alignment						8/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/24/90	RW
	O) Attach Scope to Rifle						8/24/90	WB
	P) Detach & Attach Scope 20 Times						8/24/90	WB
640	Gallery Target & Test						8-24-90	AC
	A) Time						8-24-90	AC
	B) Malfunctions						8-24-90	AC
	C) Pierced Primers						8-24-90	AC
	D) Optical Clarity of Scope						8-24-90	AC
645	Inspect for Live Ammo						8-24-90	AC
655	Final Inspection							
	A) Headspace						8/31/90	JS
	B) Trigger Pull	2.05	2.10	2.07	2.05	2.15	8/31/90	JS
	C) Function						8/31/90	JS
660	Pack						9/20/00	NF

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

SERIAL NO. C6498856DATE 8/20/90TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.18	2.38	2.05	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.34	2.34	2.10	
PULL #3	2.24	2.18	2.36	2.07	
PULL #4	2.20	2.16	2.35	2.05	
PULL #5	2.19	2.14	2.37	2.15	
TOTAL	11.04	11.00	11.80	10.42	
AVG.	2.21	2.20	2.36	2.084	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.23		
PULL #2	3.15	3.11		
PULL #3	3.19	3.20		
PULL #4	3.16	3.11		
PULL #5	3.17	3.17		
TOTAL	15.79	15.82		
AVG.	3.16	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.14		4.30
PULL #2	4.10	4.13		4.33
PULL #3	4.13	4.17		4.42
PULL #4	4.15	4.15		4.21
PULL #5	4.17	4.16		4.35
TOTAL	20.64	20.75		21.61
AVG.	4.13	4.15		4.32

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498856
24 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.313081
1 TO	2	.152895
1 TO	3	.72624
1 TO	4	.195164
1 TO	5	.662544

9 5 <-----POA
4 3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3298
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .194
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .382628
THE AMR FOR THIS RIFLE IS: 1.097

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498856

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.886

VS= 2.218

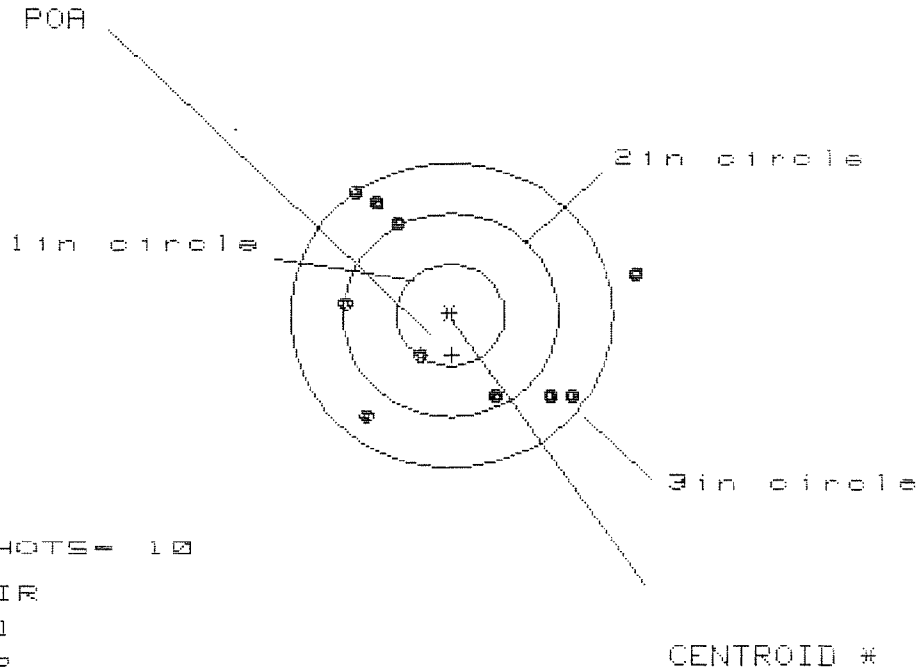
GS= 2.693

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.663	.723
MINIMUM X	:	-1.101	-.719	-.659
MAXIMUM Y	:	1.125	1.235	1.113
MINIMUM Y	:	-1.093	-.983	-.798
CENTROID X	:	.102	.224	.164
CENTROID Y	:	.296	.186	.308
POA TO CENTROID in.	:	.313	.291	.349
MIN RADIUS	:	.175	.222	.201
MEAN RADIUS	:	.855	.772	.728
MAX RADIUS	:	1.484	1.281	1.147
HORIZONTAL SPREAD	:	1.886	1.382	1.382
VERTICAL SPREAD	:	2.218	2.218	1.911
EXTREME SPREAD	:	2.693	2.364	1.938
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6438856

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 2

3in = 8

HS = 2.687

VS = 2.204

GS = 2.845

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.681	1.350	1.260
MINIMUM X	:	-1.006	-.819	-.909
MAXIMUM Y	:	1.170	1.215	1.340
MINIMUM Y	:	-1.034	-.989	-.837
CENTROID X	:	-.017	-.204	-.114
CENTROID Y	:	.392	.347	.195
POA TO CENTROID in.	:	.392	.402	.226
MIN RADIUS	:	.498	.361	.290
MEAN RADIUS	:	1.195	1.105	1.049
MAX RADIUS	:	1.729	1.541	1.481
HORIZONTAL SPREAD	:	2.687	2.169	2.169
VERTICAL SPREAD	:	2.204	2.204	2.177
EXTREME SPREAD	:	2.845	2.845	2.703
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/06438856

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.604

VS = 2.698

GS = 3.443

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.596
MINIMUM X	-1.008
MAXIMUM Y	1.081
MINIMUM Y	-1.617
CENTROID X	.735
CENTROID Y	-.060
POA TO CENTROID in.	.737
MIN RADIUS	.070
MEAN RADIUS	.921
MAX RADIUS	1.980
HORIZONTAL SPREAD	2.604
VERTICAL SPREAD	2.698
EXTREME SPREAD	3.443
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

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FILE:/PATTERNING/CENTERFIRE_PATT/C6498856

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 3.071

VS = 2.194

GS = 3.071

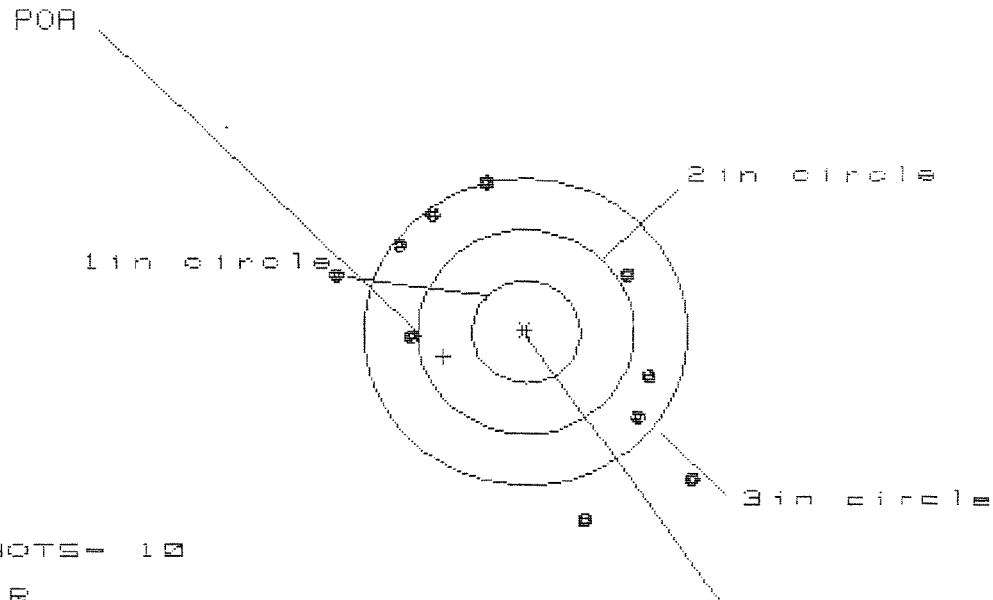
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.673	1.352	1.296
MINIMUM X	:	-1.398	-1.212	-1.268
MAXIMUM Y	:	.925	.945	.788
MINIMUM Y	:	-1.269	-1.249	-.956
CENTROID X	:	.067	-.119	-.063
CENTROID Y	:	.104	.084	.240
POA TO CENTROID in.	:	.124	.146	.249
MIN RADIUS	:	.307	.161	.146
MEAN RADIUS	:	1.014	.916	.828
MAX RADIUS	:	1.682	1.354	1.317
HORIZONTAL SPREAD	:	3.071	2.564	2.564
VERTICAL SPREAD	:	2.194	2.194	1.745
EXTREME SPREAD	:	3.071	2.577	2.577
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6498856

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 0

3in = 6

HS= 3.305

VS= 3.364

GS= 3.829

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.505	1.259	1.353
MINIMUM X	:	-1.800	-1.632	-1.538
MAXIMUM Y	:	1.478	1.323	1.068
MINIMUM Y	:	-1.886	-2.041	-1.202
CENTROID X	:	.762	.594	.500
CENTROID Y	:	.238	.393	.648
POA TO CENTROID in.	:	.798	.712	.818
MIN RADIUS	:	1.067	.927	.940
MEAN RADIUS	:	1.502	1.415	1.274
MAX RADIUS	:	2.052	2.175	1.779
HORIZONTAL SPREAD	:	3.305	2.891	2.891
VERTICAL SPREAD	:	3.364	3.364	2.270
EXTREME SPREAD	:	3.829	3.483	3.145
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		0	
NUMBER IN THREE INCH CIRCLE	=		6	

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

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

MODEL 700™ H24

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

SERIAL NO.
C6498856

ORDER NO.
5716

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

