

C6587742

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6587742
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716
 5716 C6587742		

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587742

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KA
600	Proof		10/22/90	KA
607	Check Headspace		10/22/90	KA
610	Dis-assemble Gun		10/22/90	KA
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	LS
617	Drill and Tap Sight Holes		10/25/90	FOB
618	Polish Barrel <i>RB</i>		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/24/90	JA

op. #	OFF. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/26/90	WB
	G) Safety Off Force	2	2	2			11/26/90	WB
	H) Trigger Pull Test & Retainability						11/26/90	SH
	I) Firing Pin Indent	.023	.023	.023			11/26/90	WB
	J) Assemble Stock						11/27/90	KS
	K) Assemble Swivel Studs						11-29-90	JS
	L) Attach Front and Rear Sight Assemblies						11/27/90	KS
	M) Iron Sight Alignment						11/27/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/27/90	KS
	O) Attach Scope to Rifle						11/27/90	KS
	P) Detach & Attach Scope 20 Times						11/27/90	KS
640	Gallery Target & Test						11-28-90	AC
	A) Time						11-28-90	AC
	B) Malfunctions						11-28-90	AC
	C) Pierced Primers						11-28-90	AC
	D) Optical Clarity of Scope						11-28-90	AC
645	Inspect for Live Ammo						11-28-90	AC
655	Final Inspection							
	A) Headspace						11-29-90	JS
	B) Trigger Pull	234	236	222	224	218	11-29-90	JS
	C) Function						11-29-90	JS
660	Pack						12/19/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO 16587742

DATE 11-26-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.14	2.13	234	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.14	2.36	2.14	226	
PULL #3	2.15	2.27	2.15	222	
PULL #4	2.35	2.23	2.39	224	
PULL #5	2.19	2.35	2.33	218	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.50		
PULL #2	3.29	3.46		
PULL #3	3.32	3.43		
PULL #4	3.36	3.47		
PULL #5	3.44	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.42		4.46
PULL #2	4.23	4.34		4.47
PULL #3	4.40	4.40		4.40
PULL #4	4.33	4.43		4.40
PULL #5	4.36	4.46		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587742
28 Nov 1990

CENTROIDAL DISTANCES

Ø TO	1	.1114
1 TO	2	.247891
1 TO	3	.117546
1 TO	4	.102181
1 TO	5	.0678823

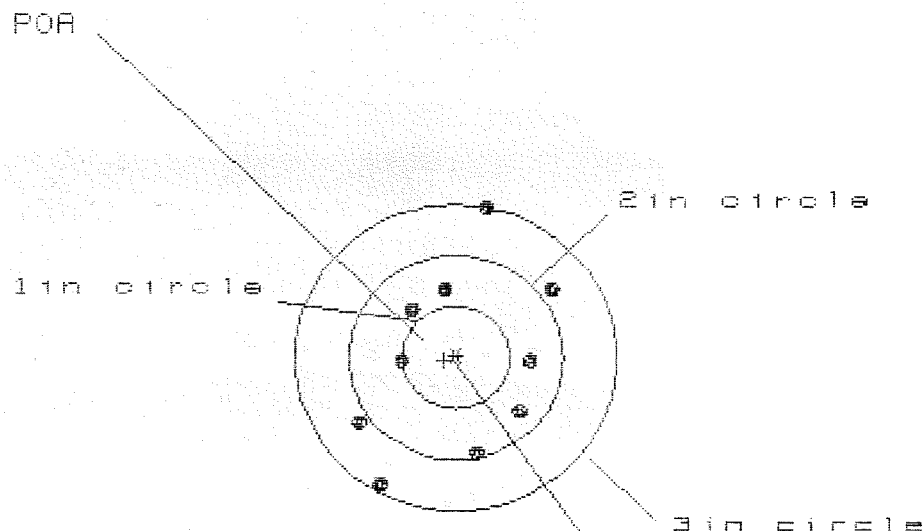
$\frac{1}{2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0812
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.016
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0827613
THE AMR FOR THIS RIFLE IS: .9764

26 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587742

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 10

HS = 1.783

VS = 2.647

GS = 2.823

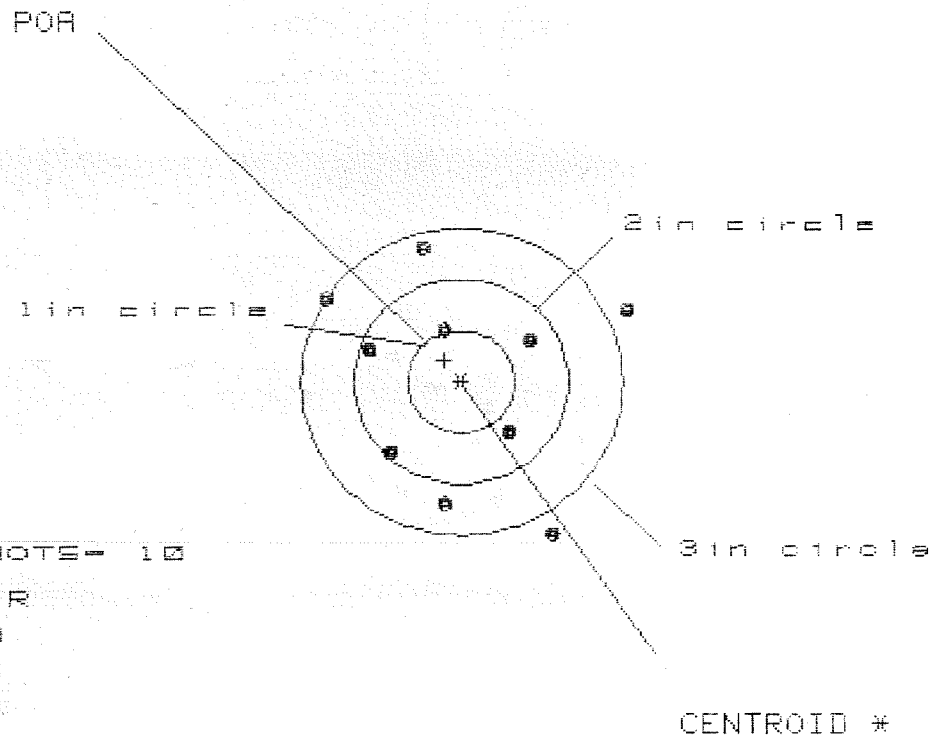
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.850	.886	.887
MINIMUM X	-.933	-.897	-.976
MAXIMUM Y	1.453	.879	.750
MINIMUM Y	-1.194	-1.033	-.874
CENTROID X	.107	.071	.150
CENTROID Y	.031	-.130	-.001
POA TO CENTROID in.	.111	.149	.150
MIN RADIUS	.490	.481	.533
MEAN RADIUS	.943	.875	.823
MAX RADIUS	1.487	1.248	1.160
HORIZONTAL SPREAD	1.783	1.783	1.783
VERTICAL SPREAD	2.647	1.912	1.624
EXTREME SPREAD	2.823	2.438	2.253
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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FILE:/PATTERNING/CENTERFIRE_PATT/06587742

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.778

VS= 2.808

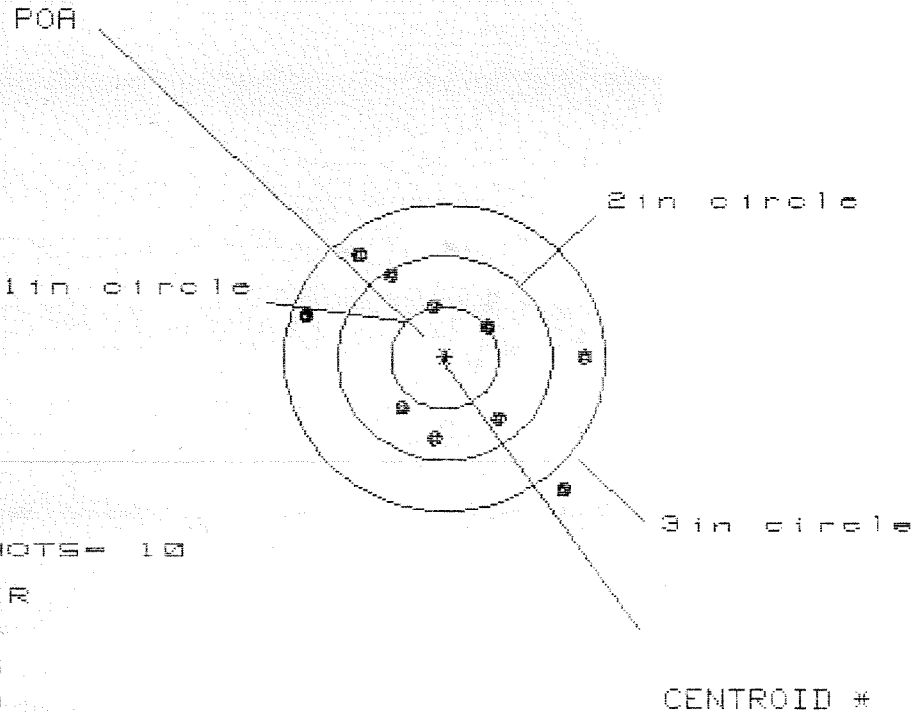
GS= 3.074

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.554
MINIMUM X	:	-1.224
MAXIMUM Y	:	1.278
MINIMUM Y	:	-1.530
CENTROID X	:	.156
CENTROID Y	:	-.212
POA TO CENTROID in.	:	.263
MIN RADIUS	:	.544
MEAN RADIUS	:	1.123
MAX RADIUS	:	1.730
HORIZONTAL SPREAD	:	2.778
VERTICAL SPREAD	:	2.808
EXTREME SPREAD	:	3.074
NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	8

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.568

VS = 2.334

GS = 2.975

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.252
MINIMUM X	-1.315
MAXIMUM Y	1.057
MINIMUM Y	-1.277
CENTROID X	-.002
CENTROID Y	-.013
POA TO CENTROID in.	.013
MIN RADIUS	.495
MEAN RADIUS	.979
MAX RADIUS	1.671
HORIZONTAL SPREAD	2.568
VERTICAL SPREAD	2.334
EXTREME SPREAD	2.975
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

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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 = 8

HS = 2.708

VS = 3.824

GS = 3.841

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.140	1.133	.937
MINIMUM X	-1.568	-1.575	-1.338
MAXIMUM Y	2.741	.622	.587
MINIMUM Y	-1.083	-.778	-.813
CENTROID X	.086	.093	.289
CENTROID Y	.131	-.174	-.139
POA TO CENTROID in.	.157	.197	.321
MIN RADIUS	.188	.274	.111
MEAN RADIUS	1.080	.867	.714
MAX RADIUS	2.742	1.599	1.385
HORIZONTAL SPREAD	2.708	2.708	2.275
VERTICAL SPREAD	3.824	1.400	1.400
EXTREME SPREAD	3.841	2.712	2.415
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/06587742

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 1.806

VS= 2.734

GS= 2.905

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.791
MINIMUM X	-1.015
MAXIMUM Y	1.228
MINIMUM Y	-1.506
CENTROID X	.059
CENTROID Y	-.017
POA TO CENTROID in.	.061
MIN RADIUS	.211
MEAN RADIUS	.757
MAX RADIUS	1.540
HORIZONTAL SPREAD	1.806
VERTICAL SPREAD	2.734
EXTREME SPREAD	2.905
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9