

Smead
®

FORM

UPC



0 47700 25716 7

06665749

*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO.

5716

BARREL LENGTH

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6665749

ORDER NO.
5716

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



5716 C6665749

ORDER **5716**
MODEL 700 TM M24

UPC



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ORDER **5716**
MODEL 700 TM M24

UPC



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665749

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	RW
600	Proof	10 1	91	RW
607	Check Headspace	10 1	91	RW
610	Dis-assemble Gun	10 1	91	RW
612	Magnaflux Barrel Action		OCT 4 1991	KR
	Magnaflux Bolt		OCT 4 1991	KR
615	Rollmark Caliber		OCT 4 1991	JS
617	Drill and Tap Sight Holes		OCT 4 1991	LB
618	Polish Barrel		10/8/91	WB
620	Apply Coatings (Barrel Action)		10-12-91	JA
	Apply Coating (Bolt)		10-12-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/91	RW
	C) Inspect Ejector Hole for Chamfer		10/22/91	RW
	D) Oil Firing Pin Ass'y		10/22/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-4-91	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			11/6/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			11/6/91	WB
	H) Trigger Pull Test & Retainability						11-1-91	JR
	I) Firing Pin Indent	.0205	.0215	.021			11/6/91	WB
	J) Assemble Stock						11/6/91	RW
	K) Assemble Swivel Studs						11-27-91	AC
	L) Attach Front and Rear Sight Assemblies						11/6/91	RW
	M) Iron Sight Alignment						11/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/6/91	RW
	O) Attach Scope to Rifle						11/6/91	RW
	P) Detach & Attach Scope 20 Times						11/6/91	RW
640	Gallery Target & Test						11-7-91	AC
	A) Time						11	AC
	B) Malfunctions						11	AC
	C) Pierced Primers						11	AC
	D) Optical Clarity of Scope						11	AC
645	Inspect for Live Ammo						11-7-91	AC
655	Final Inspection							
	A) Headspace						11-27-91	AC
	B) Trigger Pull	234	234	227	224	215	11-15-91	DH
	C) Function						11-27-91	AC
660	Pack						12-19-91	AC

SWS TRIGGER PULL TEST

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

SERIAL NO C6665749
DATE 11-4-91
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.47	2.58	234	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.59	2.49	234	
PULL #3	2.55	2.54	2.55	227	
PULL #4	2.52	2.47	2.59	224	
PULL #5	2.52	2.60	2.57	215	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.55	3.42		
PULL #2	3.56	3.37		
PULL #3	3.54	3.37		
PULL #4	3.48	3.37		
PULL #5	3.54	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.29		4.29
PULL #2	4.26	4.29		4.30
PULL #3	4.30	4.22		4.30
PULL #4	4.30	4.26		4.28
PULL #5	4.26	4.33		4.27
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665749
7 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	.204088
1 TO 2	.191212
1 TO 3	.441418
1 TO 4	.46044
1 TO 5	.299606

4, <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0248
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0526
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0581532
THE AMR FOR THIS RIFLE IS: .9900

7 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665749

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.367

VS= 2.624

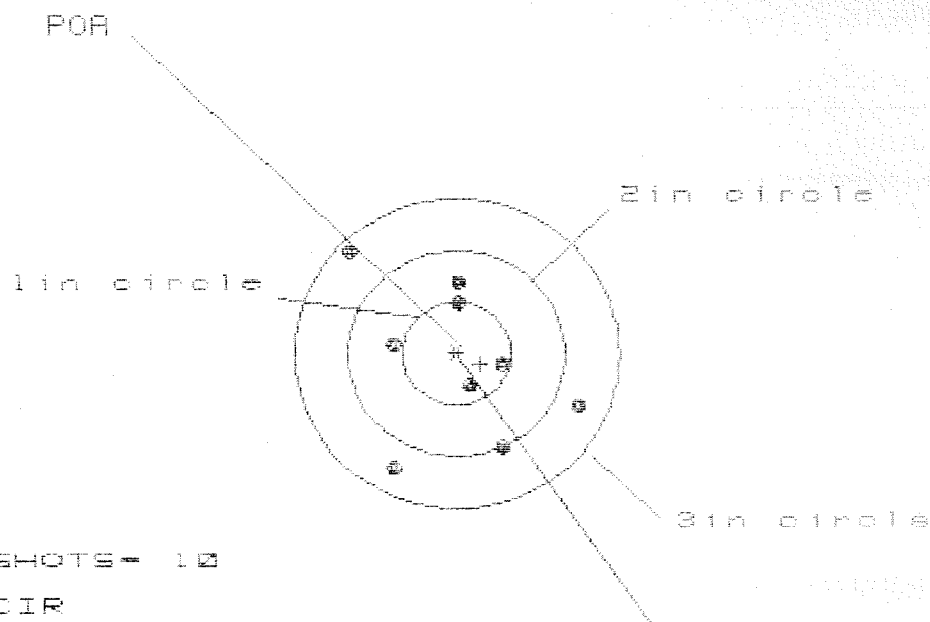
GS= 2.892

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.176	1.171	1.053
MINIMUM X	-1.191	-1.196	-1.049
MAXIMUM Y	.836	.638	.458
MINIMUM Y	-1.788	-.656	-.577
CENTROID X	-.186	-.181	-.328
CENTROID Y	-.084	.114	.035
POA TO CENTROID in.	.204	.215	.330
MIN RADIUS	.479	.307	.388
MEAN RADIUS	.959	.842	.788
MAX RADIUS	1.788	1.334	1.061
HORIZONTAL SPREAD	2.367	2.367	2.102
VERTICAL SPREAD	2.624	1.294	1.035
EXTREME SPREAD	2.892	2.492	2.105
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

7 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8685749

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 2.102

VS = 2.107

GS = 2.634

CENTROID #

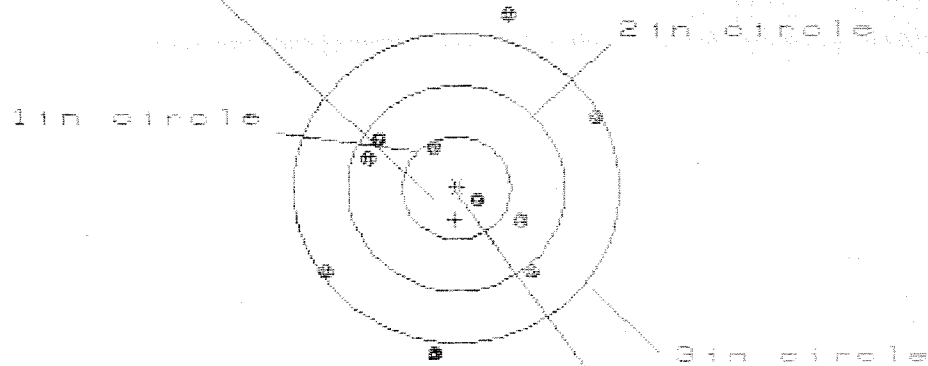
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.119	1.009	.476
MINIMUM X	:	-.984	-.724	-.598
MAXIMUM Y	:	1.040	.853	.799
MINIMUM Y	:	-1.067	-.951	-1.005
CENTROID X	:	-.215	-.106	-.232
CENTROID Y	:	.105	-.011	.043
POA TO CENTROID in.	:	.240	.107	.236
MIN RADIUS	:	.320	.169	.279
MEAN RADIUS	:	.804	.722	.675
MAX RADIUS	:	1.432	1.195	1.169
HORIZONTAL SPREAD	:	2.102	1.733	1.074
VERTICAL SPREAD	:	2.107	1.804	1.804
EXTREME SPREAD	:	2.634	1.897	1.897
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08685749

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 12

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.526

VS = 3.278

GS = 3.357

CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.263	1.319	1.298
MINIMUM X	-1.263	-1.207	-1.228
MAXIMUM Y	1.686	.880	.704
MINIMUM Y	-1.592	-1.405	-.842
CENTROID X	.015	-.041	-.020
CENTROID Y	.309	.122	.298
POA TO CENTROID in.	.310	.129	.298
MIN RADIUS	.206	.256	.234
MEAN RADIUS	1.052	.977	.896
MAX RADIUS	1.759	1.586	1.488
HORIZONTAL SPREAD	2.526	2.526	2.526
VERTICAL SPREAD	3.278	2.285	1.546
EXTREME SPREAD	3.357	2.962	2.962
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

2 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665749

CENTERFIRE PATTERNS # 4

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.413

VS= 2.607

GS= 4.041

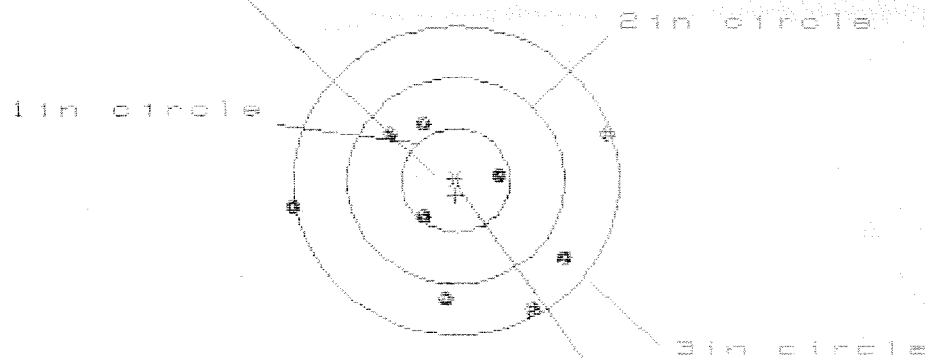
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.086	.828	.489
MINIMUM X	:	-2.327	-1.257	-1.154
MAXIMUM Y	:	.811	.852	.632
MINIMUM Y	:	-1.796	-1.755	-1.733
CENTROID X	:	.256	.514	.411
CENTROID Y	:	-.213	-.254	-.035
POB TO CENTROID in.	:	.333	.573	.412
MIN RADIUS	:	.102	.160	.133
MEAN RADIUS	:	.998	.818	.643
MAX RADIUS	:	2.355	1.941	1.155
HORIZONTAL SPREAD	:	3.413	2.085	1.643
VERTICAL SPREAD	:	2.607	2.607	1.365
EXTREME SPREAD	:	4.041	2.837	1.764
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665743

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.833

VS= 3.407

GS= 3.642

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.377	1.312	1.122
MINIMUM X	:	-1.456	-1.521	-.898
MAXIMUM Y	:	2.187	.846	.851
MINIMUM Y	:	-1.220	-.977	-.973
CENTROID X	:	.006	.071	.261
CENTROID Y	:	.146	-.097	-.102
FOR TO CENTROID in.	:	.146	.120	.200
MIN RADIUS	:	.409	.375	.307
MEAN RADIUS	:	1.137	.990	.916
MAX RADIUS	:	2.264	1.521	1.335
HORIZONTAL SPREAD	:	2.833	2.833	2.020
VERTICAL SPREAD	:	3.407	1.823	1.823
EXTREME SPREAD	:	3.642	2.915	2.232
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	