

Smith
®

FORM

UPC



0 47700 25716 7

06665882

INVENTORY ITEM NUMBER

MODEL 700TM M24

ORDER NO.

5716

BARREL LENGTH

Remington



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

MODEL 700™ M24

SERIAL NO.

C6665882

ORDER NO.

5716

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

20



5716 C6665882

ORDER 5716

MODEL 700™ M24

UPC

ORDER 5716

MODEL 700™ M24

UPC



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

26665882

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/26/91	KA
600	Proof		9/26/91	KA
607	Check Headspace		9/26/91	KA
610	Dis-assemble Gun		9/26/91	KA
612	Magnaflux Barrel Action	OCT	4 1991	KCD
	Magnaflux Bolt	OCT	4 1991	KCD
615	Rollmark Caliber	OCT	4 1991	GS
617	Drill and Tap Sight Holes	OCT	4 1991	FB
618	Polish Barrel	OCT	4 1991	WOB
620	Apply Coatings (Barrel Action)		10-18-91	PA
	Apply Coating (Bolt)		10-18-91	PA
625	Final Assembly A) Clean inside of Bolt Assembly		11/1/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/1/91	KA
	C) Inspect Ejector Hole for Chamfer		11/1/91	KA
	D) Oil Firing Pin Ass'y		11/1/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		11-22-91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	BARBER - M24 0103634 F) Safety On Force	5	6	5			11-12-91	JH
	G) Safety Off Force	3	3	3			11-12-91	JH
	H) Trigger Pull Test & Retainability						11-12-91	JH
	I) Firing Pin Indent	.020	.020	.020			11-12-91	JH
	J) Assemble Stock						11/12/91	JH
	K) Assemble Swivel Studs						11-26-91	JH
	L) Attach Front and Rear Sight Assemblies						11/12/91	JH
	M) Iron Sight Alignment						11/12/91	JH
	N) Detach Front & Rear Sights & place in numbered container						11/12/91	JH
	O) Attach Scope to Rifle						11/12/91	JH
	P) Detach & Attach Scope 20 Times						11/12/91	JH
640	Gallery Target & Test						11/21/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						11/21/91	KT
655	Final Inspection							
	A) Headspace						11-26-91	JH
	B) Trigger Pull	263	258	262	263	268	11-22-91	DH
	C) Function						11-26-91	JH
660	Pack						12-18-91	DH

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

SERIAL NO. C.6665 882DATE 11-12-91TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.44	2.50	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.32	2.49	2.58	
PULL #3	2.43	2.38	2.44	2.62	
PULL #4	2.48	2.49	2.42	2.63	
PULL #5	2.45	2.47	2.49	2.68	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.33		
PULL #2	3.42	3.37		
PULL #3	3.47	3.26		
PULL #4	3.50	3.46		
PULL #5	3.41	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.36		4.37
PULL #2	4.36	4.35		4.25
PULL #3	4.25	4.27		4.34
PULL #4	4.40	4.28		4.36
PULL #5	4.35	4.23		4.25
TOTAL				
AVG.				

DISTANCE CALCULATIONS
RIFLE # C6665882
NOV 1991

CENTROIDAL DISTANCES

0 TO	1	.106042
1 TO	2	.333242
1 TO	3	.0259615
1 TO	4	.19701
1 TO	5	.203423

2
16 <----POA

134453

27 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66658B2

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIRC

1in = 2

2in = 8

3in = 10

HS= 2.166

VS= 1.815

GS= 2.197

PATTERN #

1

SHOTS (BEST OF)	10	9	8
MINIMUM X	.810	.657	.707
MINIMUM X	-1.376	-1.764	-1.714
MINIMUM Y	.960	.982	.769
MINIMUM Y	-.855	-.833	-.711
CENTROID X	.038	.191	.141
CENTROID Y	-.099	-.121	-.243
POA TO CENTROID in.	.106	.226	.281
1IN RADIUS	.376	.319	.204
MEAN RADIUS	.755	.679	.617
1IN RADIUS	1.390	1.060	.771
HORIZONTAL SPREAD	2.157	1.421	1.421
VERTICAL SPREAD	1.815	1.815	1.480
EXTREME SPREAD	2.157	1.859	1.499
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65636B2

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 1

2 in - 6

3 in = 8

HS - 2.480

VS - 2.185

GS - 2.773

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.524	.921	.823
MINIMUM X	-.956	-.787	-.700
MAXIMUM Y	.956	.889	.727
MINIMUM Y	-1.229	-1.296	-1.049
CENTROID X	-.105	-.274	-.176
CENTROID Y	.202	.269	.431
POA TO CENTROID in.	.228	.384	.465
MIN RADIUS	.219	.107	.296
MEAN RADIUS	.944	.837	.750
MAX RADIUS	1.639	1.516	1.115
HORIZONTAL SPREAD	2.480	1.708	1.523
VERTICAL SPREAD	2.185	2.185	1.776
EXTREME SPREAD	2.773	2.773	2.143
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665882

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR.

1in = 2

2in = 5

3in = 8

HS= 2.207

VS= 2.791

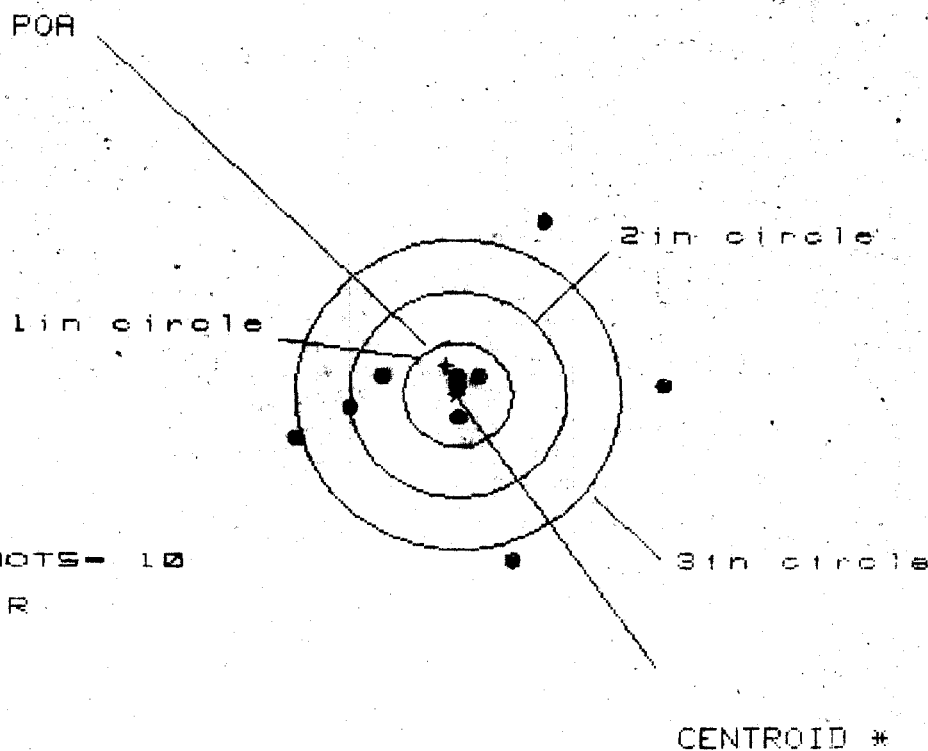
GS= 3.002

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.119	1.111	1.224
MINIMUM X	:	-1.088	-.964	-.851
MAXIMUM Y	:	1.469	1.322	.792
MINIMUM Y	:	-1.322	-1.241	-1.076
CENTROID X	:	.013	-.111	-.224
CENTROID Y	:	-.092	.055	-.110
POA TO CENTROID in.	:	.093	.124	.249
MIN RADIUS	:	.210	.157	.043
MEAN RADIUS	:	.994	.876	.770
MAX RADIUS	:	1.732	1.666	1.629
HORIZONTAL SPREAD	:	2.207	2.075	2.075
VERTICAL SPREAD	:	2.791	2.563	1.868
EXTREME SPREAD	:	3.002	2.749	2.749
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C88858B2

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 6

HS = 3.367

VS = 3.338

GS = 3.406

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.869	.965	.805
MINIMUM X	-1.498	-1.290	-1.170
MAXIMUM Y	1.689	1.699	.426
MINIMUM Y	-1.649	-1.639	-1.427
CENTROID X	.100	-.108	-.223
CENTROID Y	-.286	-.296	-.508
POA TO CENTROID in.	.303	.315	.557
MIN RADIUS	.097	.221	.326
MEAN RADIUS	.955	.854	.754
MAX RADIUS	1.871	1.953	1.638
HORIZONTAL SPREAD	3.367	2.255	1.975
VERTICAL SPREAD	3.338	3.338	1.853
EXTREME SPREAD	3.406	3.350	2.322
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08885862

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 7

HS = 3.131

VS = 4.202

GS = 4.218

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.341	1.310	1.082
MINIMUM X	:	-1.790	-1.821	-1.028
MAXIMUM Y	:	1.796	1.529	1.599
MINIMUM Y	:	-2.405	-1.211	-1.141
CENTROID X	:	.229	.260	.488
CENTROID Y	:	-.169	.098	.028
POA TO CENTROID in.	:	.285	.278	.489
MIN RADIUS	:	.035	.192	.236
MEAN RADIUS	:	1.191	1.047	.916
MAX RADIUS	:	2.422	1.905	1.838
HORIZONTAL SPREAD	:	3.131	2.131	2.110
VERTICAL SPREAD	:	4.202	2.740	2.740
EXTREME SPREAD	:	4.218	3.385	3.189
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	7		