

BARBER - M24 0104503

FORN

UPC



0 47700 25716 7

C6665960

*INCLUDES 1 IN CHAMBER

CAPACITY*

MODEL 700 TM M24

5716

ORDER NO.

BARREL LENGTH

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6665960

ORDER NO.
5716

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

20



5716 C6665960

ORDER 5716
MODEL 700 TM M24
UPC

ORDER 5716
MODEL 700 TM M24
UPC



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SWS TRIGGER PULL TEST

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

SERIAL NO. C-6665960DATE 10/24/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.43	2.49	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.37	2.51	2.73	
PULL #3	2.46	2.41	2.53	2.68	
PULL #4	2.40	2.45	2.48	2.80	
PULL #5	2.41	2.41	2.48	2.72	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.37		
PULL #2	3.45	3.53		
PULL #3	3.26	3.35		
PULL #4	3.65	3.43		
PULL #5	3.45	3.22		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.27		4.44
PULL #2	4.21	4.22		4.58
PULL #3	4.26	4.19		4.58
PULL #4	4.35	4.52		4.51
PULL #5	4.33	4.59		4.33
TOTAL				
AVG.				

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665960

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/24/91	KL
600	Proof		9/24/91	KL
607	Check Headspace		9/24/91	KL
610	Dis-assemble Gun		9/24/91	KL
612	Magnaflux Barrel Action	OCT 2 1991		KR
	Magnaflux Bolt	OCT 2 1991		ITR
615	Rollmark Caliber	OCT 2 1991		GS.
617	Drill and Tap Sight Holes	OCT 2 1991		FB
618	Polish Barrel	OCT 4 1991		WB
620	Apply Coatings (Barrel Action)		10-14-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/16/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/16/91	KL
	C) Inspect Ejector Hole for Chamfer		10/16/91	KL
	D) Oil Firing Pin Ass'y		10/16/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		10/24/91	KL

op. #	BARBER - M24 0104508 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	10/24/91	JK		
	G) Safety Off Force	3	3	3	10/24/91	JK		
	H) Trigger Pull Test & Retainability				10/24/91	JK		
	I) Firing Pin Indent	0225	0225	023	10/24/91	JK		
	J) Assemble Stock				10/25/91	JK		
	K) Assemble Swivel Studs				11-12-91	JK		
	L) Attach Front and Rear Sight Assemblies				10/30/91	JK		
	M) Iron Sight Alignment				10/30/91	JK		
	N) Detach Front & Rear Sights & place in numbered container				10/30/91	JK		
	O) Attach Scope to Rifle				10/30/91	JK		
	P) Detach & Attach Scope 20 Times				10/30/91	JK		
640	Gallery Target & Test				10/29/91	JK		
	A) Time					JK		
	B) Malfunctions					JK		
	C) Pierced Primers					JK		
	D) Optical Clarity of Scope					JK		
645	Inspect for Live Ammo				10/29/91	JK		
655	Final Inspection							
	A) Headspace				11-12-91	AC		
	B) Trigger Pull	250	273	268	280	272	10-30-91	JK
	C) Function						11-12-91	AC
660	Pack						12-18-91	JK

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06665960
29 Oct 1991

CENTROIDAL DISTANCES

0 TO 1	.276574
1 TO 2	.679976
1 TO 3	.361808
1 TO 4	.376809
1 TO 5	.353594

41
21 24 - ----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1322
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0834
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156309
THE AMR FOR THIS RIFLE IS: .9432

29 Oct 1981

FILE: \PATTERNING\CENTERFIRE_PATT\06065960

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 6

HS= 3.221

VS= 3.333

GS= 4.043

PATTERN #

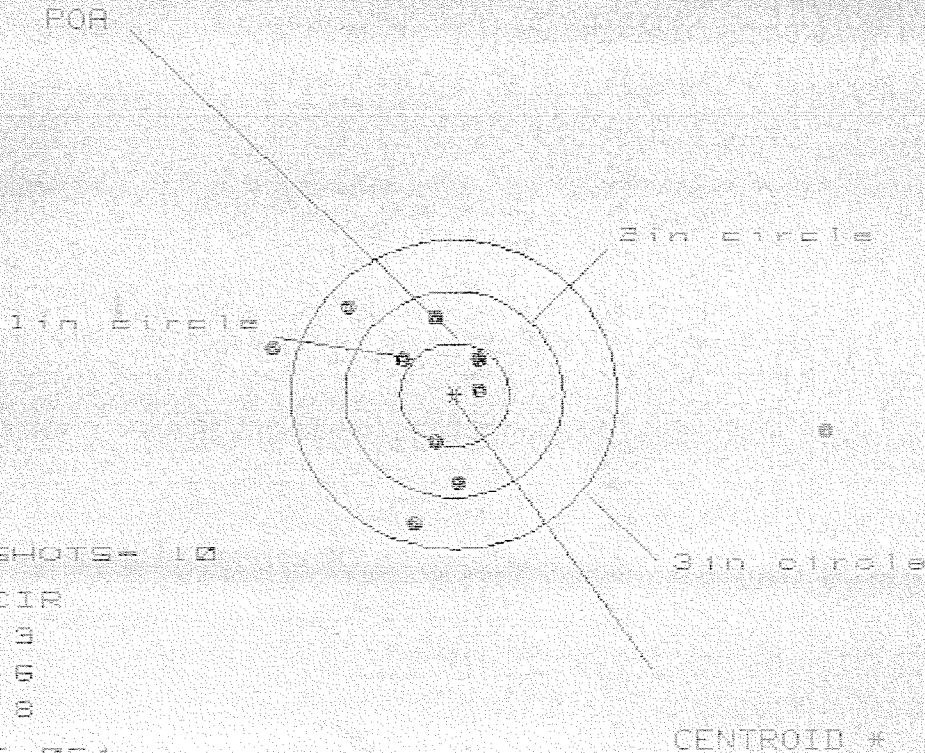
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.681	1.773	1.602
MINIMUM X	-1.540	-1.448	-1.619
MAXIMUM Y	.954	.690	.420
MINIMUM Y	-2.379	-1.566	-1.480
CENTROID X	.227	.135	.306
CENTROID Y	.158	.422	.336
POA TO CENTROID in.	.276	.443	.454
MIN RADIUS	.248	.287	.133
MEAN RADIUS	1.060	.880	.765
MAX RADIUS	2.518	1.841	1.653
HORIZONTAL SPREAD	3.221	3.221	3.221
VERTICAL SPREAD	3.333	1.256	.900
EXTREME SPREAD	4.043	3.359	3.305
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	

28 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/05585960

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 5.064

VS= 2.064

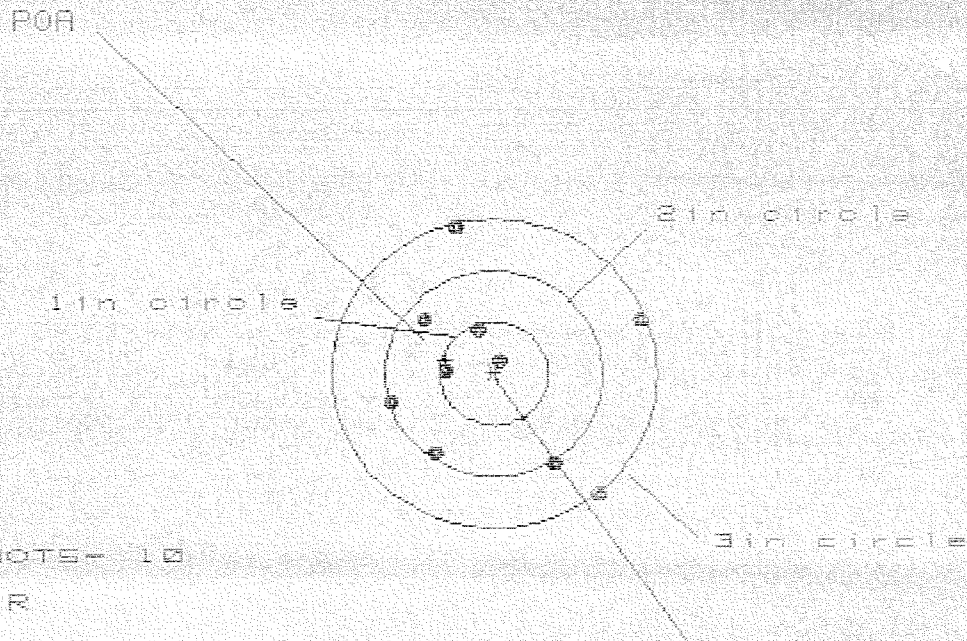
GS= 5.134

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	3.418	.599	.440
MINIMUM X	-1.646	-1.266	-1.737
MAXIMUM Y	.829	.788	.841
MINIMUM Y	-1.235	-1.276	-1.223
CENTROID X	-.225	-.605	-.446
CENTROID Y	-.350	-.309	-.362
POA TO CENTROID in.	.416	.679	.575
MIN RADIUS	.193	.368	.396
MEAN RADIUS	1.108	.829	.740
MAX RADIUS	3.438	1.338	1.233
HORIZONTAL SPREAD	5.064	1.865	1.177
VERTICAL SPREAD	2.064	2.064	2.064
EXTREME SPREAD	5.134	2.147	2.143
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

29 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/06685960

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.319

VS= 2.578

GS= 2.927

CENTROID *

PATTERN #	1	3	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.396	1.506	.859
MINIMUM X	-.923	-.813	-.624
MAXIMUM Y	1.428	1.300	1.347
MINIMUM Y	-1.150	-1.003	-.955
CENTROID X	.446	.336	.147
CENTROID Y	-.130	-.002	-.049
POA TO CENTROID in.	.464	.336	.155
MIN RADIUS	.129	.213	.157
MEAN RADIUS	.928	.834	.715
MAX RADIUS	1.520	1.554	1.351
HORIZONTAL SPREAD	2.319	2.319	1.483
VERTICAL SPREAD	2.578	2.303	2.303
EXTREME SPREAD	2.927	2.493	2.493
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

29 Oct 1981

FILE: PATTERNING/CENTERFIRE_PATT/C6B85980

CENTERFIRE PATTERNS # 4

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 9

3 in = 9

HS = 1.058

VS = 2.224

GS = 2.231

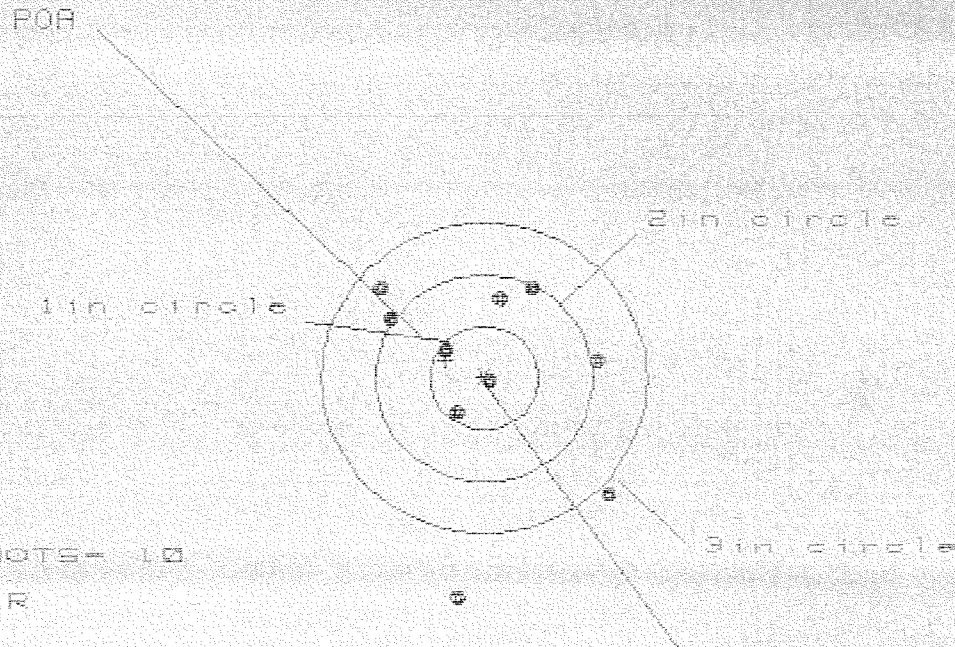
CENTROID +

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	9
MAXIMUM X	.422	.430	.400
MINIMUM X	-.646	-.638	-.668
MAXIMUM Y	.672	.499	.376
MINIMUM Y	-1.552	-.992	-.449
CENTROID X	-.141	-.149	-.119
CENTROID Y	.077	.250	.373
POB TO CENTROID in.	.161	.290	.392
MIN RADIUS	.177	.274	.201
MEAN RADIUS	.638	.505	.417
MAX RADIUS	1.554	1.019	.675
HORIZONTAL SPREAD	1.068	1.068	1.068
VERTICAL SPREAD	2.224	1.491	.825
EXTREME SPREAD	2.231	1.567	1.202
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

29 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/06683960

CENTERFIRE PATTERNS # 5



* OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.089

VS= 3.024

GS= 3.115

CENTROID #

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	1.098	1.109
MINIMUM X	-1.966	-1.991	-1.853
MAXIMUM Y	.882	.644	.476
MINIMUM Y	-2.142	-1.348	-1.689
CENTROID X	.354	.379	.241
CENTROID Y	-.172	.066	.234
POB TO CENTROID in.	.394	.384	.336
MIN RADIUS	.057	.255	.334
MEAN RADIUS	.982	.831	.699
MAX RADIUS	2.153	1.739	1.124
HORIZONTAL SPREAD	2.089	2.089	1.962
VERTICAL SPREAD	3.024	1.992	1.165
EXTREME SPREAD	3.115	2.887	2.071
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	