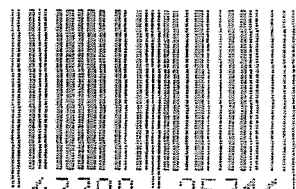


SMITH & WATSON
S.W.®

FORM

UPC



0 47700 25716 7

06655730

*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.

C6665730

ORDER NO.

5716

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

20



5716 C6665730

ORDER 5716

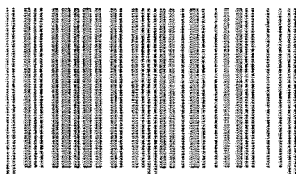
MODEL 700 TM M24

UPC

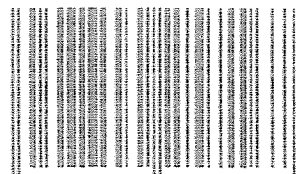
ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665730

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	91	RW
600	Proof	9 26	91	RW
607	Check Headspace	9 26	91	RW
610	Dis-assemble Gun	9 26	91	RW
612	Magnaflux Barrel Action		SEP 30 1991	KR
	Magnaflux Bolt		SEP 30 1991	KR
615	Rollmark Caliber		SEP 30 1991	G.S.
617	Drill and Tap Sight Holes		SEP 30 1991	FB.
618	Polish Barrel		OCT 2 1991	WT
620	Apply Coatings (Barrel Action)		10-13-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/13/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/13/91	RW
	C) Inspect Ejector Hole for Chamfer		10/13/91	RW
	D) Oil Firing Pin Ass'y		10/13/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/22/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 ³ / ₄	4	4			10-22-91	DH
	G) Safety Off Force	2	2	2			10-22-91	DH
	H) Trigger Pull Test & Retainability						10/22/91	JH
	I) Firing Pin Indent	1.022	1.022	1.024			10-22-91	DH
	J) Assemble Stock						10/22/91	RW
	K) Assemble Swivel Studs						10-30-91	AC
	L) Attach Front and Rear Sight Assemblies						10/22/91	RW
	M) Iron Sight Alignment						10/22/91	RW
	N) Detach Front & Rear Sights & place in numbered container						10/22/91	RW
	O) Attach Scope to Rifle						10/22/91	RW
	P) Detach & Attach Scope 20 Times						10/22/91	RW
640	Gallery Target & Test						10/22/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						10/22/91	KT
655	Final Inspection							
	A) Headspace						10-30-91	AC
	B) Trigger Pull	233	224	230	233	233	10-23-91	DH
	C) Function						10-30-91	AC
660	Pack						12-20-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO C-6665730

DATE 10/22/91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.38	2.37	233	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.46	2.39	224	
PULL #3	2.33	2.44	2.43	230	
PULL #4	2.24	2.34	2.40	233	
PULL #5	2.37	2.46	2.49	233	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.37		
PULL #2	3.44	3.48		
PULL #3	3.41	3.43		
PULL #4	3.44	3.41		
PULL #5	3.42	3.41		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.47		4, 40
PULL #2	4.47	4.40		4, 42
PULL #3	4.44	4.39		4, 43
PULL #4	4.44	4.36		4, 43
PULL #5	4.43	4.43		4, 53
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665730
22 Oct 1991

CENTROIDAL DISTANCES

0 TO	1	.203158
1 TO	2	.310929
1 TO	3	.136312
1 TO	4	.334928
1 TO	5	.264282



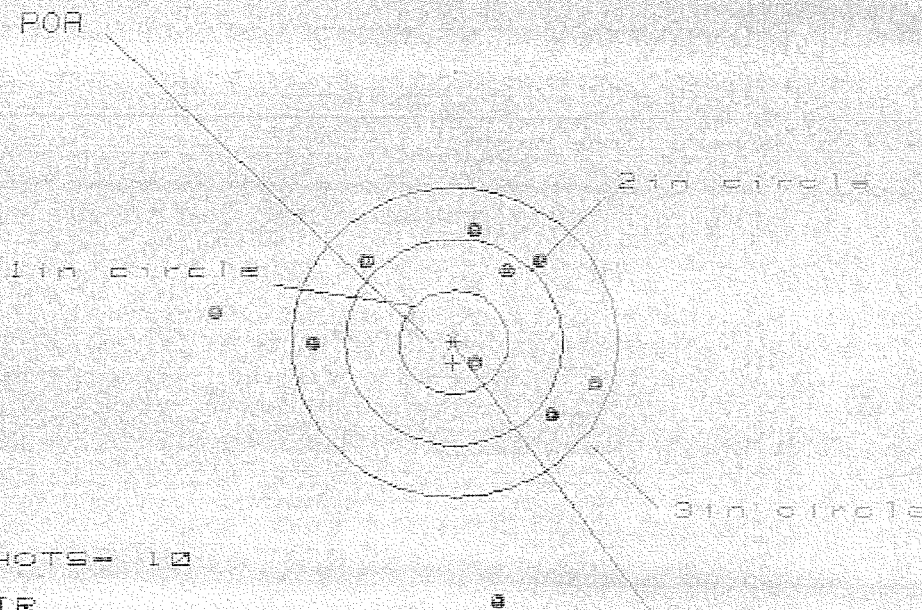
<----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.077
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .03
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0826378
THE AMR FOR THIS RIFLE IS: .9386

22 Oct 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08660730

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 3.575

VS= 3.534

GS= 3.825

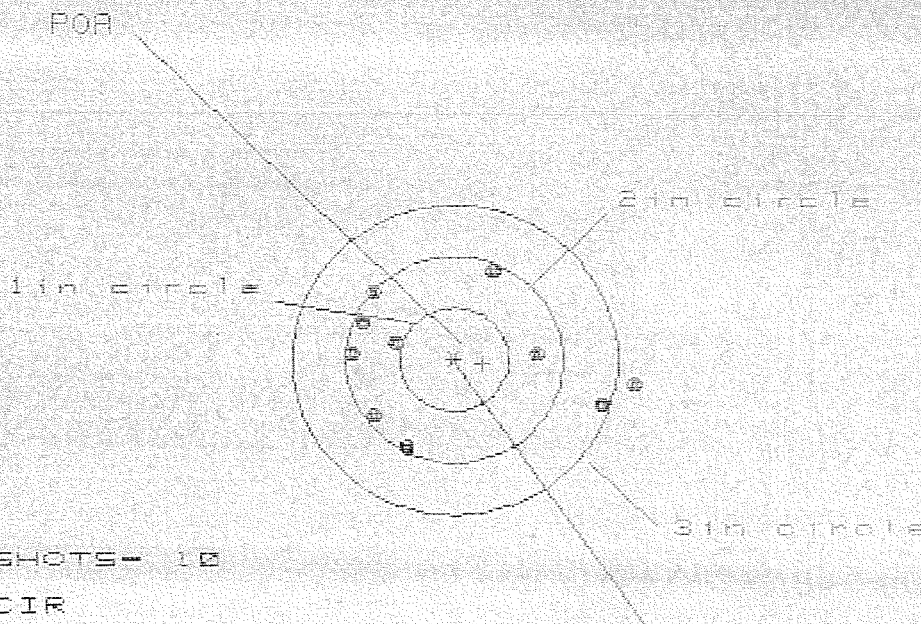
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.335	1.380	1.106
MINIMUM X	-2.240	-2.195	-1.582
MAXIMUM Y	1.076	.802	.805
MINIMUM Y	-2.458	-.964	-.960
CENTROID X	.008	-.037	.237
CENTROID Y	.203	.477	.473
POR TO CENTROID in.	.204	.478	.529
MIN RADIUS	.301	.538	.455
MEAN RADIUS	1.311	1.149	.969
MAX RADIUS	2.493	2.195	1.521
HORIZONTAL SPREAD	3.575	3.575	2.688
VERTICAL SPREAD	3.534	1.766	1.766
EXTREME SPREAD	3.825	3.646	2.647
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 2		
NUMBER IN THREE INCH CIRCLE	= 8		

22 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6665730

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 8

3 in = 9

HS= 2.591

VS= 1.697

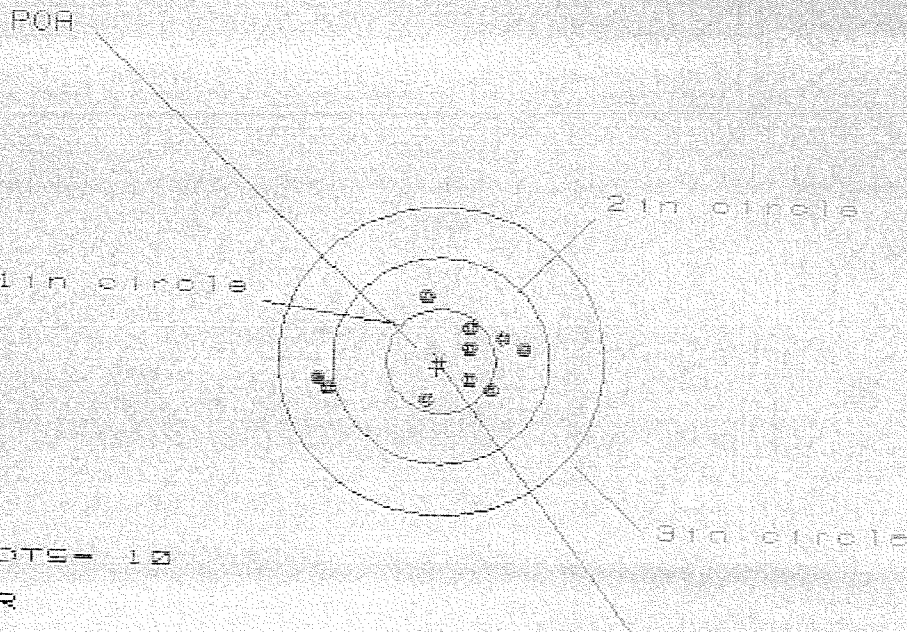
GS= 2.613

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.699	1.586	1.138
MINIMUM X	:	-.892	-.703	-.505
MAXIMUM Y	:	.852	.823	.758
MINIMUM Y	:	-.845	-.874	-.939
CENTROID X	:	-.258	-.447	-.645
CENTROID Y	:	.042	.071	.136
POA TO CENTROID in.	:	.261	.453	.659
MIN RADIUS	:	.540	.350	.142
MEAN RADIUS	:	1.011	.883	.716
MAX RADIUS	:	1.720	1.668	1.139
HORIZONTAL SPREAD	:	2.591	2.289	1.643
VERTICAL SPREAD	:	1.697	1.697	1.697
EXTREME SPREAD	:	2.613	2.414	1.883
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Oct 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08685736

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.970

VS= .965

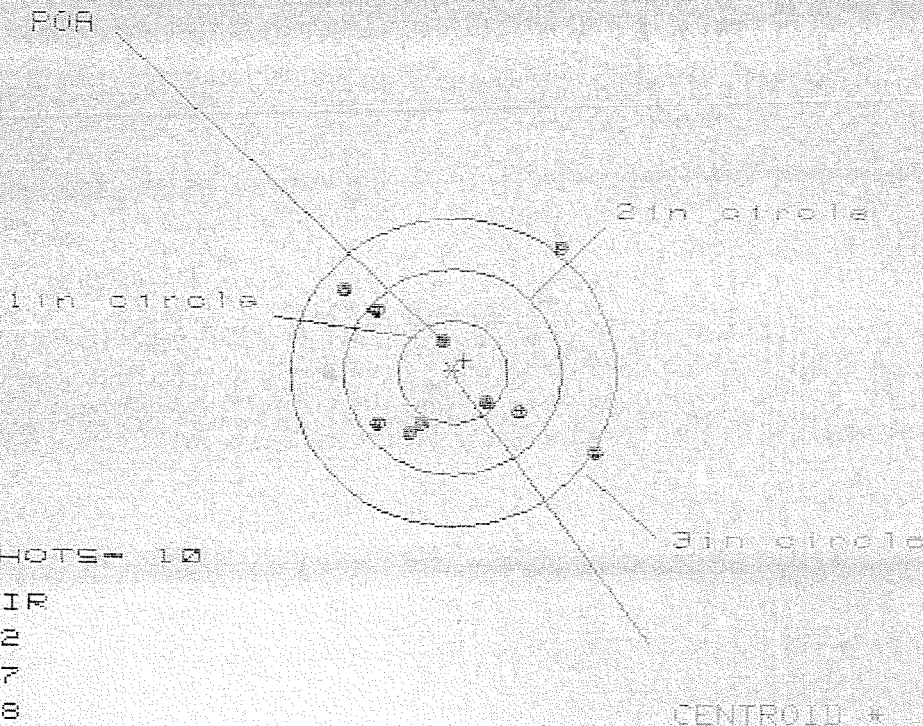
GS= 1.990

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.811	.682	.538
MINIMUM X	:	-1.159	-1.146	-.451
MAXIMUM Y	:	.609	.588	.546
MINIMUM Y	:	-.356	-.377	-.419
CENTROID X	:	.033	.162	.305
CENTROID Y	:	.069	.090	.132
POA TO CENTROID in.	:	.077	.185	.333
MIN RADIUS	:	.246	.123	.058
MEAN RADIUS	:	.615	.510	.387
MAX RADIUS	:	1.174	1.195	1.708
HORIZONTAL SPREAD	:	1.970	1.828	.989
VERTICAL SPREAD	:	.965	.965	.965
EXTREME SPREAD	:	1.990	1.875	1.113
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/06065700

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.271

VS= 2.035

GS= 2.798

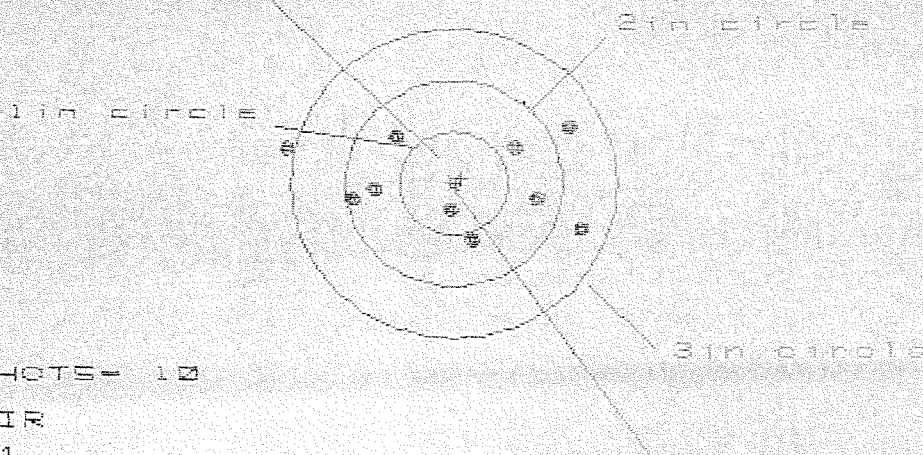
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.310	1.418	.917
MINIMUM X	:	-.961	-.853	-.676
MAXIMUM Y	:	1.258	.997	.917
MINIMUM Y	:	-.777	-.638	-.497
CENTROID X	:	-.103	-.211	-.388
CENTROID Y	:	-.113	-.252	-.172
POA TO CENTROID in.	:	.153	.329	.425
MIN RADIUS	:	.362	.362	.415
MEAN RADIUS	:	.890	.779	.675
MAX RADIUS	:	1.589	1.555	1.139
HORIZONTAL SPREAD	:	2.271	2.271	1.593
VERTICAL SPREAD	:	2.035	1.635	1.414
EXTREME SPREAD	:	2.798	2.798	2.052
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

22 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6665730

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.654

VS= 1.123

GS= 2.790

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.148	.981	1.045
MINIMUM X	:	-1.506	-1.087	-.964
MAXIMUM Y	:	.528	.572	.518
MINIMUM Y	:	-.595	-.551	-.605
CENTROID X	:	-.065	.102	-.021
CENTROID Y	:	-.051	-.094	-.041
POA TO CENTROID in.	:	.083	.139	.045
MIN RADIUS	:	.276	.312	.296
MEAN RADIUS	:	.866	.776	.734
MAX RADIUS	:	1.556	1.090	1.166
HORIZONTAL SPREAD	:	2.654	2.068	2.009
VERTICAL SPREAD	:	1.123	1.123	1.123
EXTREME SPREAD	:	2.790	2.113	2.113
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	