

FORN



C6665975

*INCLUDES 1 IN CHAMBER

CAPACITY*

BARREL LENGTH**

5716

ORDER NO.

TM M24

MODEL 700

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6665975

ORDER NO.

5716

20

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



5716 C6665975

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 #

C6665975

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/26/91	KL
600	Proof		9/26/91	KL
607	Check Headspace		9/24/91	KL
610	Dis-assemble Gun		9/26/91	KL
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	WB
620	Apply Coatings (Barrel Action)		10-12-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/31/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/31/91	KL
	C) Inspect Ejector Hole for Chamfer		10/31/91	KL
	D) Oil Firing Pin Ass'y		10/31/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		11-1-91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			11-1-91	JK
	G) Safety Off Force	4	4	4			11-1-91	JK
	H) Trigger Pull Test & Retainability						11-1-91	JK
	I) Firing Pin Indent	.022	.0225	.022			11-1-91	JK
	J) Assemble Stock						11/1/91	JK
	K) Assemble Swivel Studs						11-12-91	JK
	L) Attach Front and Rear Sight Assemblies						11/1/91	JK
	M) Iron Sight Alignment						11/1/91	JK
	N) Detach Front & Rear Sights & place in numbered container						11/1/91	JK
	O) Attach Scope to Rifle						11/1/91	JK
	P) Detach & Attach Scope 20 Times						11/1/91	JK
640	Gallery Target & Test						11-4-91	AC
	A) Time						11-4-91	AC
	B) Malfunctions						11-4-91	AC
	C) Pierced Primers						11-4-91	AC
	D) Optical Clarity of Scope						11-4-91	AC
645	Inspect for Live Ammo						11-4-91	AC
655	Final Inspection							
	A) Headspace						11-12-91	JK
	B) Trigger Pull	236	231	233	240	235	11-6-91	JK
	C) Function						11-12-91	JK
660	Pack						12-18-91	N

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6665975DATE 11-1-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.37	2.51	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.35	2.48	2.31	
PULL #3	2.36	2.39	2.50	2.33	
PULL #4	2.36	2.50	2.55	2.40	
PULL #5	2.35	2.40	2.51	2.35	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.26		
PULL #2	3.39	3.34		
PULL #3	3.34	3.28		
PULL #4	3.34	3.29		
PULL #5	3.30	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.56		4.45
PULL #2	4.20	4.48		4.41
PULL #3	4.23	4.40		4.55
PULL #4	4.57	4.51		4.48
PULL #5	4.58	4.45		4.57
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665975
5 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	.233112
1 TO 2	.22585
1 TO 3	.539891
1 TO 4	.216633
1 TO 5	.384787

41 <----FOR

C 7841

10-1931

FILE:/PATTERNING/CENTERFIRE_PATT/C6665375

CENTERFIRE PATTERNS # 1

FOR

1in circle

2in circle

3in circle

CENTROID *

1.00
1.00
1.00

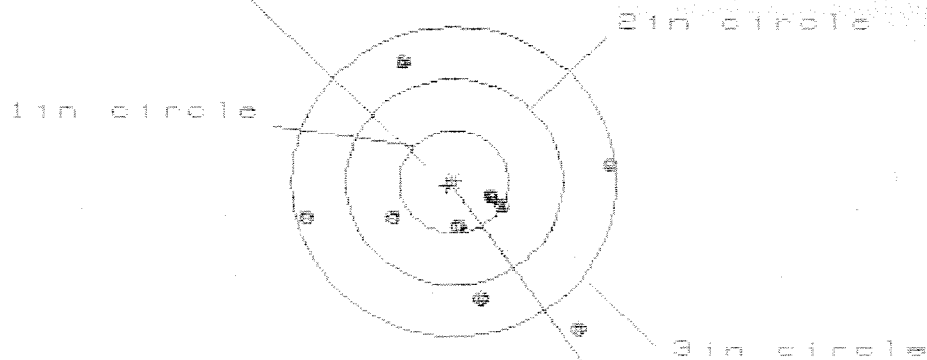
EST	10	9	8
	1.815	1.649	1.634
	1.460	1.986	1.973
	1.514	1.515	1.278
	1.111	1.949	1.982
	1.111	1.131	1.335
	1.111	1.041	1.166
	1.111	1.836	1.061
	1.111	1.821	1.020
	1.111	1.001	1.916
	1.111	1.731	1.278
	1.111	1.001	1.007
	1.111	1.448	1.180
	1.111	1.448	1.251
	1.111	1.111	1.111
	1.111	1.111	1.111

4 NOV 1991

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CENTERFIRE PATTERNS # 2

FOR



* OF SHOTS = 10

IN CIR

11in = 3

21in = 4

31in = 3

11in = 4.788

21in = 4.146

31in = 4.787

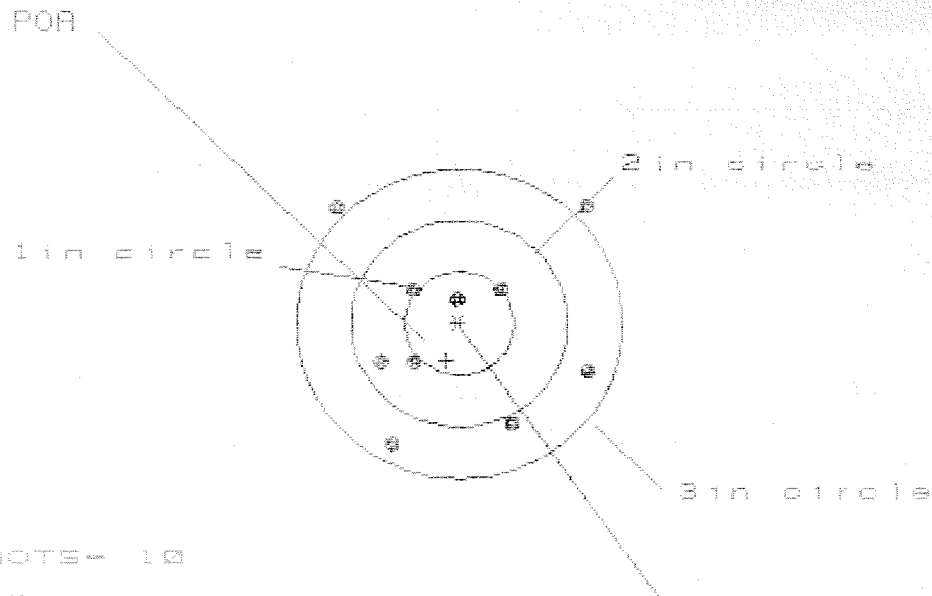
CENTROID #

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
GRADIENT X		1.413	1.284	1.407
GRADIENT Y		-1.390	-1.509	-1.386
GRADIENT Z		2.635	1.467	1.324
GRADIENT W		-1.451	-1.152	-1.972
GRADIENT V		.965	.195	.072
GRADIENT U		.933	-.266	-.122
GRADIENT T		.672	.330	.142
GRADIENT S		.416	.215	.324
GRADIENT R		-.137	.916	.860
GRADIENT Q		-.915	1.566	1.453
GRADIENT P		2.750	2.793	2.793
GRADIENT O		4.146	2.619	2.295
GRADIENT N		4.787	3.834	2.843
GRADIENT M			3	
GRADIENT L			4	
GRADIENT K			8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

MEAN = 2.588

CS = 2.223

CS = 2.655

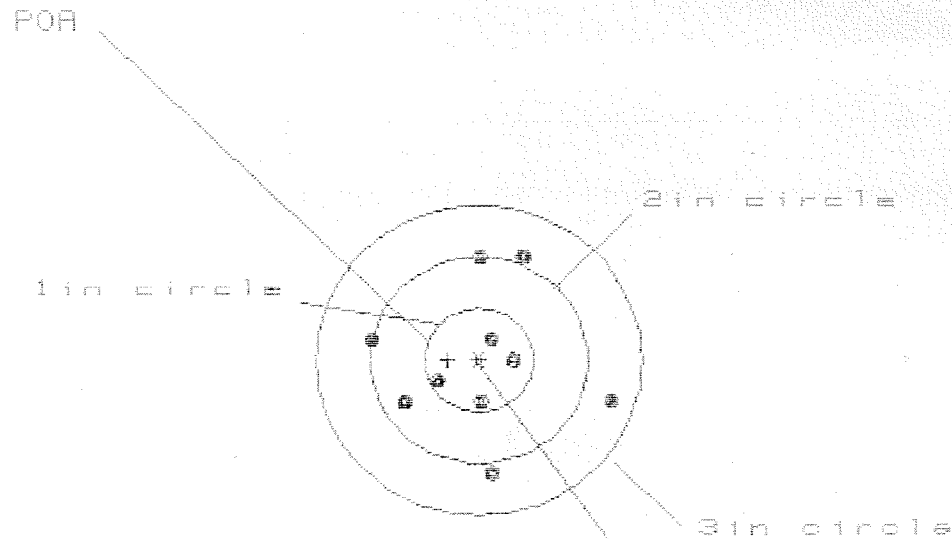
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.210	1.263	1.145
MINIMUM X	-1.079	-.944	-.660
MAXIMUM Y	1.092	1.212	.640
MINIMUM Y	-1.131	-1.011	-.859
CENTROID X	.123	-.012	.106
CENTROID Y	.084	.244	.092
FOR - CENTROID	.084	.244	.140
MIN RADIUS	.275	.358	.407
MAX RADIUS	.337	.844	.768
MEAN RADIUS	1.688	1.536	1.157
MEAN RADIUS SQUARED	2.293	2.207	1.805
PERCENTUAL SPREAD	2.223	2.223	1.499
EXTREME SPREAD	2.655	2.655	1.847
NUMBER IN ONE INCH CIRCLE	1	1	1
NUMBER IN TWO INCH CIRCLE	5	5	5
NUMBER IN THREE INCH CIRCLE	8	8	8

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 10

ME= 2.136

VE= 2.131

GE= 2.215

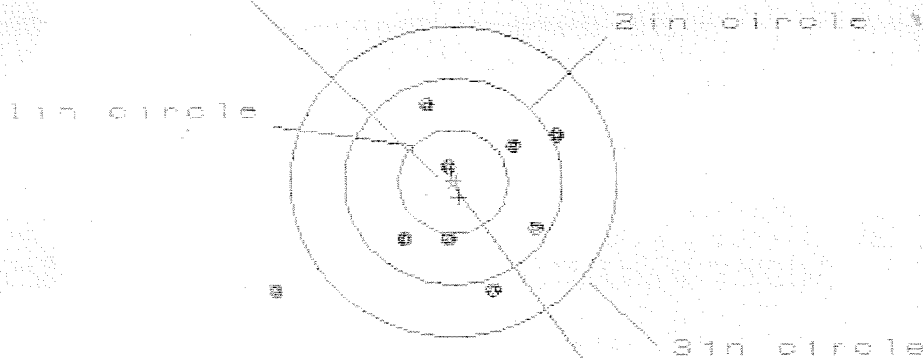
PATTERN #	1	2	3	4
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.179	.514	.541	
MINIMUM X	-.957	-.826	-.799	
MAXIMUM Y	1.030	.990	.848	
MINIMUM Y	-1.101	-1.141	-.615	
CENTROID X	.387	.156	.129	
CENTROID Y	.004	.036	.178	
POA TO CENTROID (in)	.287	.160	.220	
MIN. RADIUS	.229	.200	.265	
MAX. RADIUS	.769	.714	.665	
MEAN RADIUS	1.201	1.162	.999	
MEAN RADIUS SPREAD	2.136	1.340	1.340	
VELOCITY SPREAD	2.131	2.131	1.463	
EXT. RADIUS SPREAD	2.215	2.142	1.835	
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5

FOR



+ OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in - 8

MEAN = 1.680

VS = 0.845

GS = 0.229

CENTROID #

PATTERN #	1	2	3	4
SHOTS (BEST OF)	10	9	8	
MEAN	1.980	1.945	1.735	
VS	-1.640	-1.675	-1.656	
MEAN	1.913	1.916	1.913	
VS	-1.832	-1.819	-1.920	
MEAN	1.852	1.817	1.193	
VS	1.150	1.063	1.040	
MEAN	1.156	1.065	1.197	
VS	1.195	1.341	1.418	
MEAN	1.913	1.850	1.706	
VS	1.915	1.865	1.936	
MEAN	2.620	2.620	1.391	
VS	2.945	1.735	1.733	
MEAN	0.229	0.003	1.825	
MEAN IN ONE INCH CIRCLE	=	1		
MEAN IN TWO INCH CIRCLE	=	5		
MEAN IN THREE INCH CIRCLE	=	8		