

C6636069

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

Remington
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

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

SERIAL NO.
C6636069

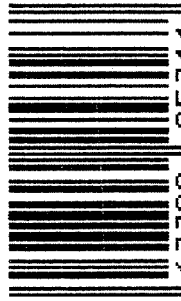
ORDER NO.
5716

20



5716 C6636069

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636069

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		Rw
600	Proof	4 8 91		Rw
607	Check Headspace	4 8 91		Rw
610	Dis-assemble Gun	4 8 91		Rw
612	Magnaflux Barrel Action		APR 9 1991	K.R.
	Magnaflux Bolt		APR 9 1991	U
615	Rollmark Caliber		APR 9 1991	LS
617	Drill and Tap Sight Holes		APR 9 1991	LB
618	Polish Barrel		APR 9 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	15A
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	Rw
	C) Inspect Ejector Hole for Chamfer		5/14/91	Rw
	D) Oil Firing Pin Ass'y		5/14/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/29/91	9/1

BARBER - M24 0037333		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5			5/30/91	SL
	G) Safety Off Force	3	3	3			5/30/91	SL
	H) Trigger Pull Test & Retainability						5/24/91	SL
	I) Firing Pin Indent	.021	.021	.021			5/30/91	SL
	J) Assemble Stock						5/30/91	RW
	K) Assemble Swivel Studs						6-3-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/30/91	RW
	M) Iron Sight Alignment						5/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/30/91	RW
	O) Attach Scope to Rifle						5/30/91	RW
	P) Detach & Attach Scope 20 Times						5/30/91	RW
640	Gallery Target & Test						6-1-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						6-1-91	AF
655	Final Inspection							
	A) Headspace						6-3-91	D/H
	B) Trigger Pull	2.31	2.37	2.34	2.35	2.38	6/3/91	SL
	C) Function						6-3-91	D/H
660	Pack						6-20-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6636069DATE 5/29/91TESTER 84

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.44	2.55	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.54	2.58	2.37	
PULL #3	2.44	2.60	2.49	2.34	
PULL #4	2.49	2.52	2.51	2.35	
PULL #5	2.49	2.60	2.56	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.47		
PULL #2	3.52	3.30		
PULL #3	3.30	3.34		
PULL #4	3.60	3.43		
PULL #5	3.66	3.55		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.39		4.29
PULL #2	4.19	4.30		4.37
PULL #3	4.39	4.26		4.36
PULL #4	4.39	4.23		4.26
PULL #5	4.39	4.38		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636069
1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.214462
1 TO	2	.505175
1 TO	3	.709852
1 TO	4	.581169
1 TO	5	.670168

$\frac{3}{2} \frac{5}{4}$ <----POA

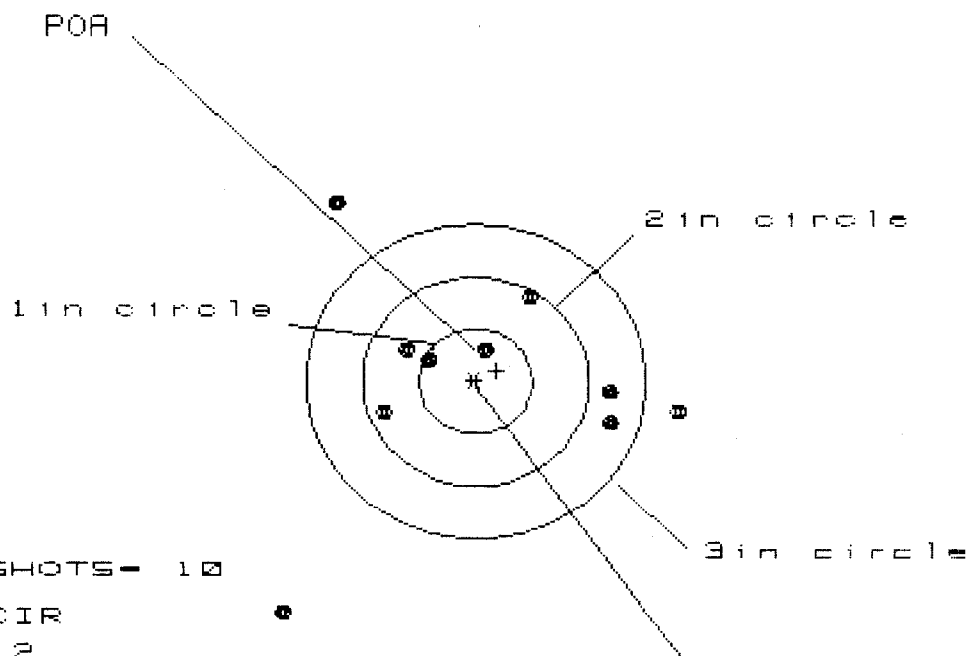
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1356
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .252667

THE AMR FOR THIS RIFLE IS: 1.135

1 Jun 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 3.439

VS = 3.805

GS = 3.922

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.772	1.587	1.407
MINIMUM X	:	-1.667	-1.437	-1.160
MAXIMUM Y	:	1.658	1.420	.746
MINIMUM Y	:	-2.147	-.668	-.491
CENTROID X	:	-.187	-.002	.178
CENTROID Y	:	-.105	.133	-.044
POA TO CENTROID in.	:	.215	.133	.183
MIN RADIUS	:	.364	.151	.403
MEAN RADIUS	:	1.230	1.027	.923
MAX RADIUS	:	2.718	2.020	1.444
HORIZONTAL SPREAD	:	3.439	3.024	2.567
VERTICAL SPREAD	:	3.805	2.088	1.237
EXTREME SPREAD	:	3.922	3.582	2.568
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

1 Jun 1991

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in = 8

HS- 2.284

VS= 3.078

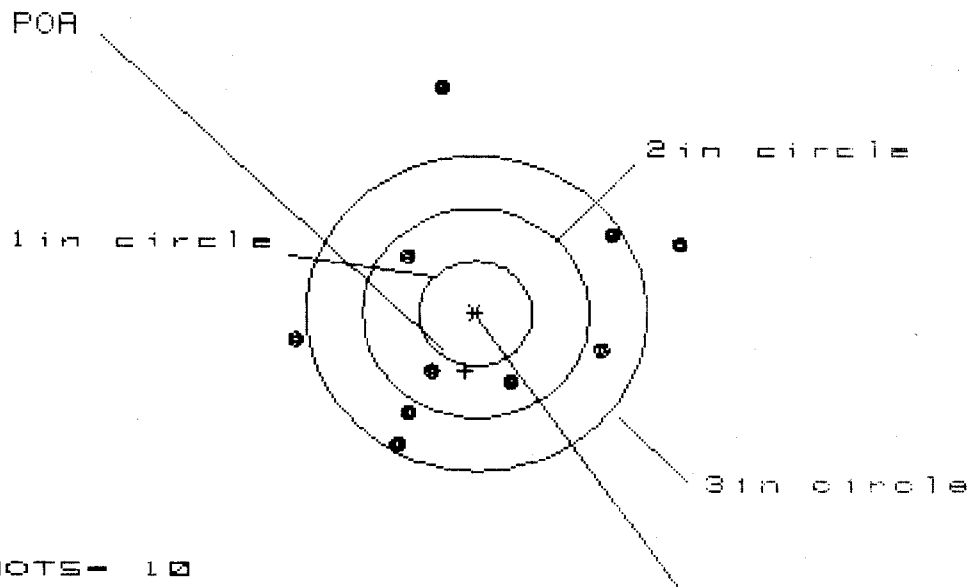
GS= 3.637

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.593	.748	.695
MINIMUM X	:	-.692	-.515	-.568
MAXIMUM Y	:	1.314	1.440	1.236
MINIMUM Y	:	-1.764	-1.638	-.862
CENTROID X	:	.024	-.153	-.100
CENTROID Y	:	.354	.228	.432
POA TO CENTROID in.	:	.355	.275	.444
MIN RADIUS	:	.362	.144	.334
MEAN RADIUS	:	1.020	.879	.804
MAX RADIUS	:	1.956	1.692	1.360
HORIZONTAL SPREAD	:	2.284	1.263	1.263
VERTICAL SPREAD	:	3.078	3.078	2.098
EXTREME SPREAD	:	3.637	3.079	2.449
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 0

2 in - 3

3 in - 7

HS = 3.439

VS = 3.395

GS = 3.555

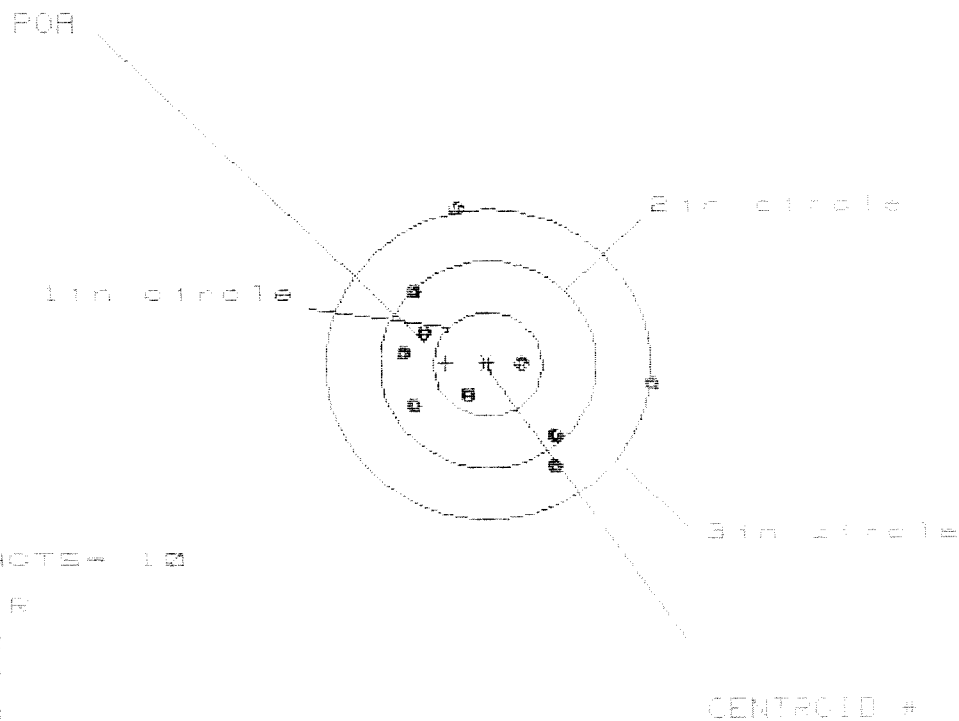
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.799	1.762	1.383
MINIMUM X	:	-1.640	-1.677	-1.457
MAXIMUM Y	:	2.120	.946	1.055
MINIMUM Y	:	-1.275	-1.040	-.931
CENTROID X	:	.096	.133	-.087
CENTROID Y	:	.546	.311	.202
POA TO CENTROID in.	:	.555	.338	.220
MIN RADIUS	:	.686	.464	.307
MEAN RADIUS	:	1.309	1.170	1.021
MAX RADIUS	:	2.146	1.966	1.740
HORIZONTAL SPREAD	:	3.439	3.439	2.840
VERTICAL SPREAD	:	3.395	1.986	1.986
EXTREME SPREAD	:	3.555	3.555	3.002
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.305

VS= 2.473

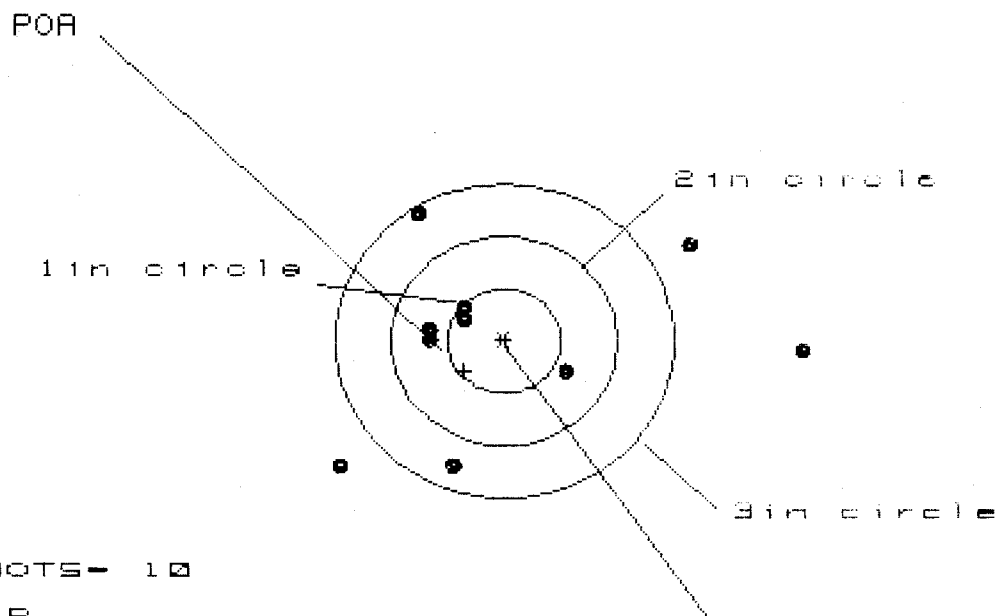
CS= 2.644

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.517	.885	.789
MINIMUM X	-.788	-.620	-.636
MAXIMUM Y	1.498	1.474	.857
MINIMUM Y	-.975	-.999	-.815
CENTROID X	.387	.219	.235
CENTROID Y	-.014	.010	-.174
POA TO CENTROID in.	.388	.219	.290
MIN RADIUS	.358	.346	.162
MEAN RADIUS	.906	.814	.769
MAX RADIUS	1.532	1.480	1.164
HORIZONTAL SPREAD	2.305	1.425	1.425
VERTICAL SPREAD	2.473	2.473	1.672
EXTREME SPREAD	2.644	2.644	2.169
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	8	

1 Jun 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 4.048

VS= 2.395

GS= 4.200

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.611	1.963	1.079
MINIMUM X	:	-1.437	-1.147	-.902
MAXIMUM Y	:	1.172	1.160	1.274
MINIMUM Y	:	-1.223	-1.235	-1.121
CENTROID X	:	.358	.068	-.177
CENTROID Y	:	.285	.297	.183
POA TO CENTROID in.	:	.458	.304	.255
MIN RADIUS	:	.465	.248	.218
MEAN RADIUS	:	1.208	.959	.784
MAX RADIUS	:	2.613	2.162	1.437
HORIZONTAL SPREAD	:	4.048	3.110	1.981
VERTICAL SPREAD	:	2.395	2.395	2.395
EXTREME SPREAD	:	4.200	3.774	2.477
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	