

C6636265

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700™ H24

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

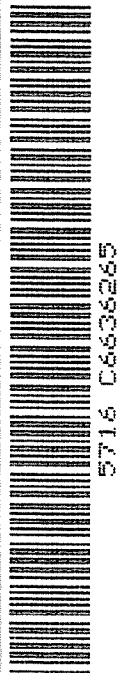
DU PONT

SERIAL NO.
 C6636265

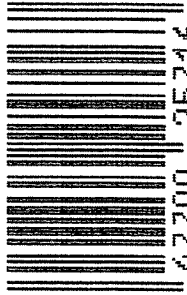
ORDER NO.
 5716

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

20



UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636265

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	KR
617	Drill and Tap Sight Holes		JUL 2 1991	EB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		8-16-91	EA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/91	EA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/91	EA
	C) Inspect Ejector Hole for Chamfer		8/15/91	EA
	D) Oil Firing Pin Ass'y		8/15/91	EA
	E) Adjust Trigger Pull to Min Setting and Stake		8/16/91	WB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5 3/4	5 3/4	5 3/4	8/16/91	W.B		
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	8/16/91	W.B		
	H) Trigger Pull Test & Retainability				8/16/91	W.B		
	I) Firing Pin Indent	.021	.0225	.022	8/16/91	W.B		
	J) Assemble Stock				8/16/91	KL		
	K) Assemble Swivel Studs				8-28-91	D/H		
	L) Attach Front and Rear Sight Assemblies				8/16/91	KL		
	M) Iron Sight Alignment				8/16/91	KL		
	N) Detach Front & Rear Sights & place in numbered container				8/16/91	KL		
	O) Attach Scope to Rifle				8/16/91	KL		
	P) Detach & Attach Scope 20 Times				8/16/91	KL		
640	Gallery Target & Test				8-28-91	AC		
	A) Time				8-28-91	AC		
	B) Malfunctions				8-28-91	AC		
	C) Pierced Primers				8-28-91	AC		
	D) Optical Clarity of Scope				8-28-91	AC		
645	Inspect for Live Ammo				8-28-91	AC		
655	Final Inspection				8-28-91	D/H		
	A) Headspace				8-28-91	D/H		
	B) Trigger Pull	2.61	2.53	2.58	2.64	2.63	8-28-91	D/H
	C) Function						8-28-91	D/H
660	Pack						9-18-91	W.B

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636765

DATE 8/16/91

TESTER W.B

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.24	2.34	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.33	2.30	2.53	
PULL #3	2.37	2.25	2.35	2.58	
PULL #4	2.32	2.25	2.32	2.64	
PULL #5	2.33	2.22	2.37	2.63	
TOTAL	11.64	11.29	11.68		
AVG.	2.33	2.26	2.33		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.26		
PULL #2	3.25	3.15		
PULL #3	3.28	3.31		
PULL #4	3.36	3.25		
PULL #5	3.26	3.22		
TOTAL	16.45	16.19		
AVG.	3.29	3.24		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.08		4.21
PULL #2	4.31	4.17		4.28
PULL #3	4.28	4.16		4.30
PULL #4	4.16	4.26		4.18
PULL #5	4.21	4.32		4.34
TOTAL	21.22	20.99		21.31
AVG.	4.24	4.20		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636265
28 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.443208
1 TO	2	.222396
1 TO	3	.194165
1 TO	4	.473874
1 TO	5	.729554

5⁴
a¹ + <----POA

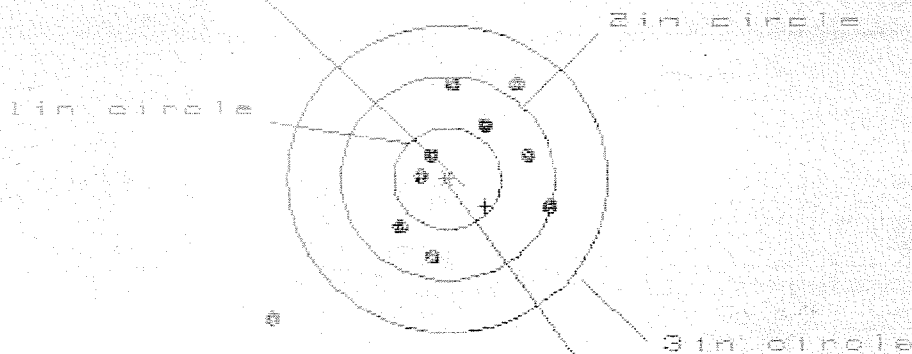
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.6098
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3156
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .606629
THE AMR FOR THIS RIFLE IS: .936

28 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06536265

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.567

VS= 2.247

GS= 3.205

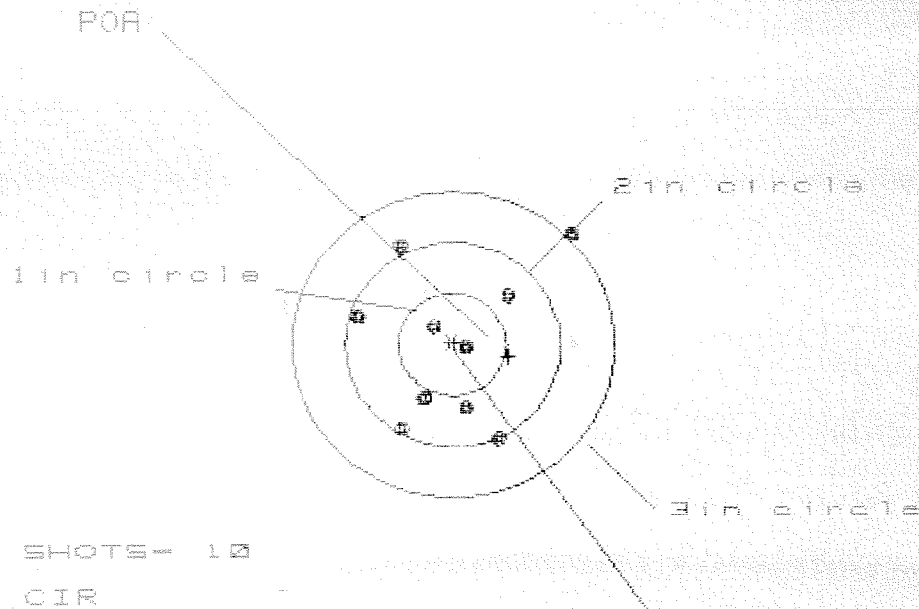
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.914	.731	.787
MINIMUM X	-1.653	-.620	-.564
MAXIMUM Y	.903	.754	.843
MINIMUM Y	-1.344	-.986	-.812
CENTROID X	-.353	-.170	-.226
CENTROID Y	.268	.417	.323
POA TO CENTROID in.	.443	.451	.394
MIN RADIUS	.271	.364	.358
MEAN RADIUS	.855	.689	.664
MAX RADIUS	2.130	.971	.668
HORIZONTAL SPREAD	2.567	1.351	1.351
VERTICAL SPREAD	2.247	1.660	1.655
EXTREME SPREAD	3.205	1.842	1.666
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

28 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.993

VS= 2.006

GS= 2.489

CENTROID #

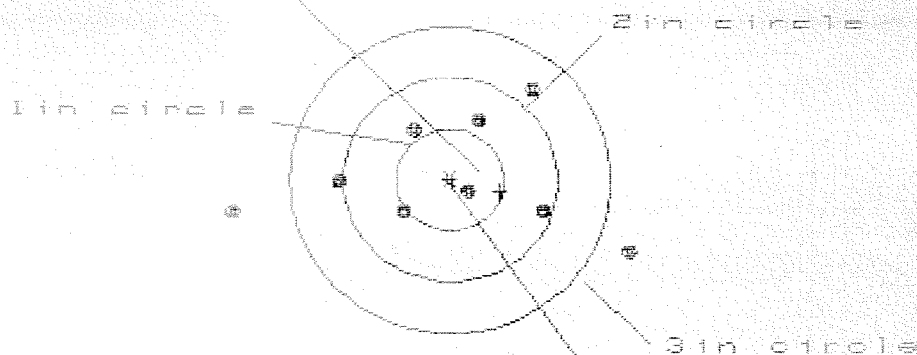
PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.088	.622	.696
MINIMUM X	-.905	-.784	-.710
MAXIMUM Y	1.042	1.045	.939
MINIMUM Y	-.964	-.849	-.847
CENTROID X	-.519	-.640	-.714
CENTROID Y	.120	.005	.111
POA TO CENTROID in.	.533	.640	.722
MIN RADIUS	.137	.251	.234
MEAN RADIUS	.788	.698	.656
MAX RADIUS	1.507	1.092	.970
HORIZONTAL SPREAD	1.993	1.406	1.406
VERTICAL SPREAD	2.006	1.894	1.786
EXTREME SPREAD	2.489	2.097	1.788
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 3.640

VS = 1.602

GS = 3.664

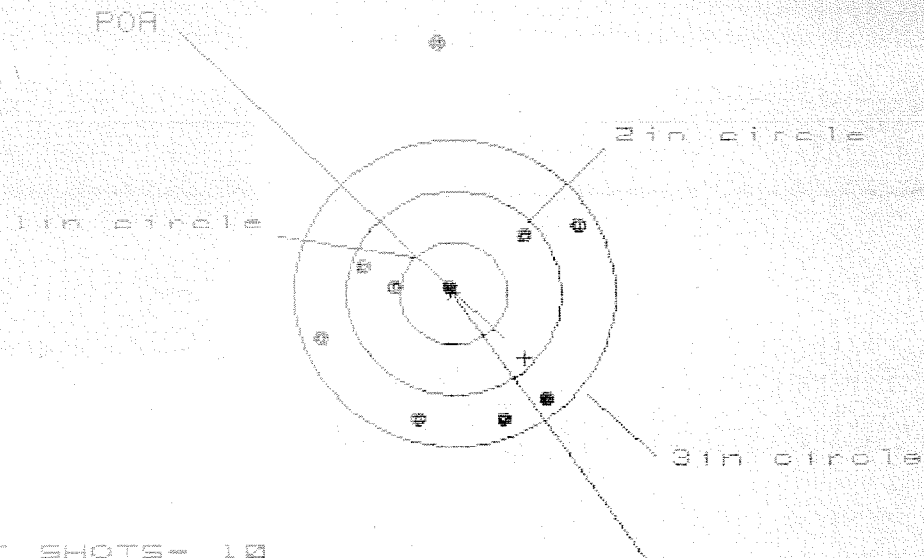
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.621	1.397	.950
MINIMUM X	:	-2.019	-1.306	-1.132
MAXIMUM Y	:	.873	.839	.743
MINIMUM Y	:	-.729	-.763	-.485
CENTROID X	:	-.463	-.239	-.413
CENTROID Y	:	.108	.142	.238
POA TO CENTROID in.	:	.475	.278	.477
MIN RADIUS	:	.168	.178	.257
MEAN RADIUS	:	.912	.777	.665
MAX RADIUS	:	2.048	1.592	1.138
HORIZONTAL SPREAD	:	3.640	2.703	1.982
VERTICAL SPREAD	:	1.602	1.602	1.228
EXTREME SPREAD	:	3.664	2.803	2.076
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.390

VS= 3.667

GS= 3.718

CENTROID #

PATTERN #

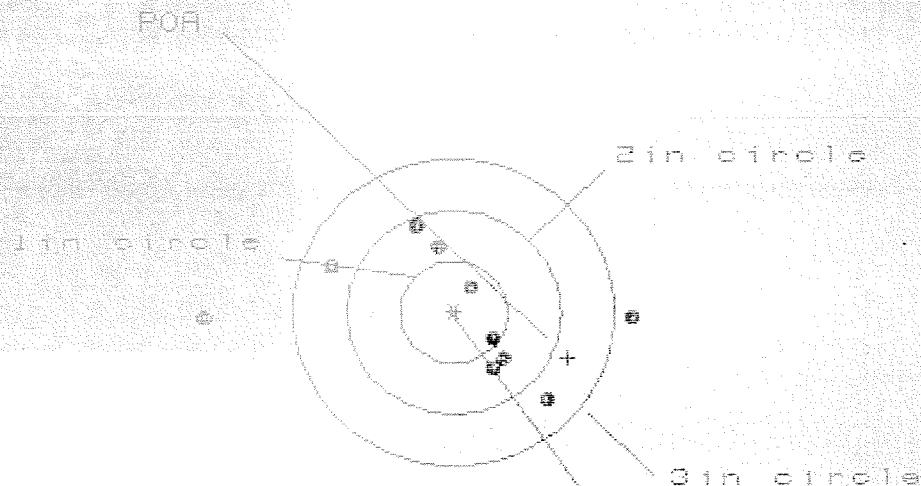
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	1.111	.951
MINIMUM X	-1.267	-1.279	-1.001
MAXIMUM Y	2.417	.887	.860
MINIMUM Y	-1.250	-.981	-1.008
CENTROID X	-.654	-.642	-.482
CENTROID Y	.634	.365	.392
POA TO CENTROID in.	.911	.738	.621
MIN RADIUS	.109	.344	.400
MEAN RADIUS	1.143	1.005	.970
MAX RADIUS	2.420	1.421	1.282
HORIZONTAL SPREAD	2.390	2.390	1.952
VERTICAL SPREAD	3.667	1.868	1.868
EXTREME SPREAD	3.718	2.631	2.358
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

28 Aug 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HE = 3.950

VS = 1.644

GS = 3.950

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.628	1.370	.776
MINIMUM X	-2.322	-1.360	-1.188
MAXIMUM Y	.821	.811	.883
MINIMUM Y	-.823	-.833	-.841
CENTROID X	-1.060	-.802	-.974
CENTROID Y	.448	.458	.465
POA TO CENTROID in.	1.151	.924	1.079
MIN RADIUS	.298	.235	.238
MEAN RADIUS	.982	.781	.714
MAX RADIUS	2.323	1.421	1.256
HORIZONTAL SPREAD	3.950	2.730	1.964
VERTICAL SPREAD	1.644	1.644	1.644
EXTREME SPREAD	3.950	2.770	2.326
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	