

C6636125

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington[®]

MODEL 700TM M24

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

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

SERIAL NO.
C6636125

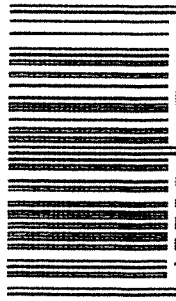
ORDER NO.
5716

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

06

5716 C6636125

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636125

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		Kcd
	Magnaflux Bolt	5 8 9 1		Kcd
615	Rollmark Caliber	5 8 9 1		CS.
617	Drill and Tap Sight Holes	5 15 9 1		CS
618	Polish Barrel	5 15 9 1		CS
620	Apply Coatings (Barrel Action)		5-31-91	CS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/12/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/12/91	KS
	C) Inspect Ejector Hole for Chamfer		4/12/91	KS
	D) Oil Firing Pin Ass'y		4/12/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	

op. #	BARBER - M24 0037995	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-13-91	D/H
	G) Safety Off Force	4	4	4			6-13-91	D/H
	H) Trigger Pull Test & Retainability						6-13-91	D/H
	I) Firing Pin Indent	1.022	1.022	1.022			6-13-91	D/H
	J) Assemble Stock						6-13-91	K/S
	K) Assemble Swivel Studs						6-14-91	D/H
	L) Attach Front and Rear Sight Assemblies						6-13-91	K/S
	M) Iron Sight Alignment						6-13-91	K/S
	N) Detach Front & Rear Sights & place in numbered container						6-13-91	K/S
	O) Attach Scope to Rifle						6-13-91	K/S
	P) Detach & Attach Scope 20 Times						6-13-91	K/S
640	Gallery Target & Test						6-14-91	K/S
	A) Time							K/S
	B) Malfunctions							K/S
	C) Pierced Primers							K/S
	D) Optical Clarity of Scope							K/S
645	Inspect for Live Ammo						6-14-91	K/S
655	Final Inspection							
	A) Headspace						6-15-91	D/H
	B) Trigger Pull	2.70	2.42	2.31	2.32	2.26	6-15-91	D/H
	C) Function						6-15-91	D/H
660	Pack						6-19-91	NF

MOD. _____		GA. CAL. _____	GUN # <u>6125</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Ejector Stick	KS
	2nd <u>6</u> <u>15</u> <u>91</u>	Reamed Ejector Holed Polish Ejector	RW
	3rd		
	4th		

FUNCTION _____

RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100 RD test OK 6-15-91 DH	
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636175

DATE 6-13-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.72	2.80	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.73	2.79	2.42	
PULL #3	2.54	2.42	2.72	2.31	
PULL #4	2.62	2.72	2.80	2.32	
PULL #5	2.61	2.73	2.90	2.26	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.28		
PULL #2	3.34	3.26		
PULL #3	3.17	3.17		
PULL #4	3.14	3.16		
PULL #5	3.16	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.50		4.42
PULL #2	4.30	4.48		4.60
PULL #3	4.37	4.52		3.98
PULL #4	4.54	4.59		4.26
PULL #5	4.36	4.52		4.98
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636125
14 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.0814923
1 TO	2	.0858662
1 TO	3	.202633
1 TO	4	.247891
1 TO	5	.0424853

9 <----POA

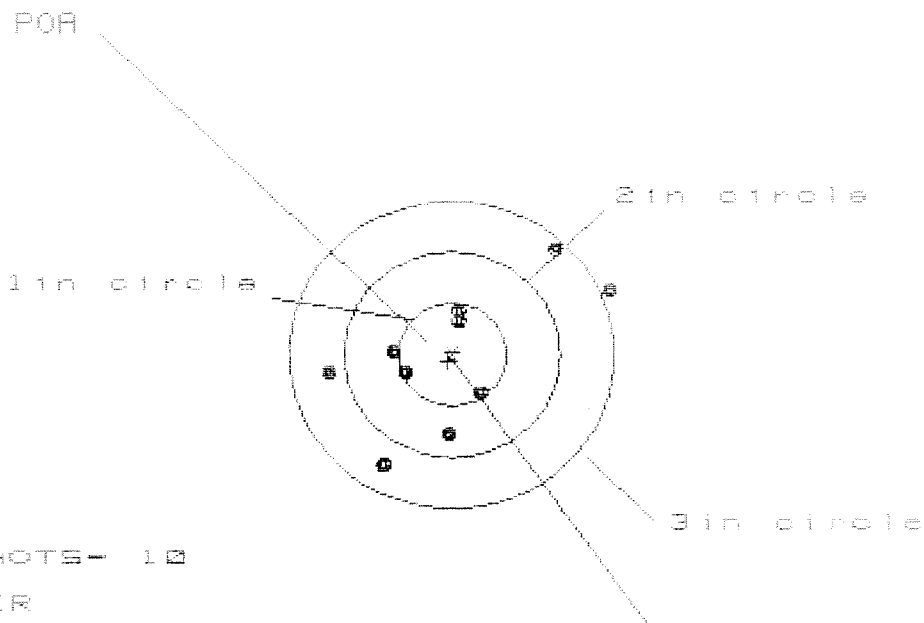
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0604
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0446
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0750821

THE AMR FOR THIS RIFLE IS: .8602

14 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636125

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.583

VS= 2.051

GS= 2.703

CENTROID #

PATTERN #

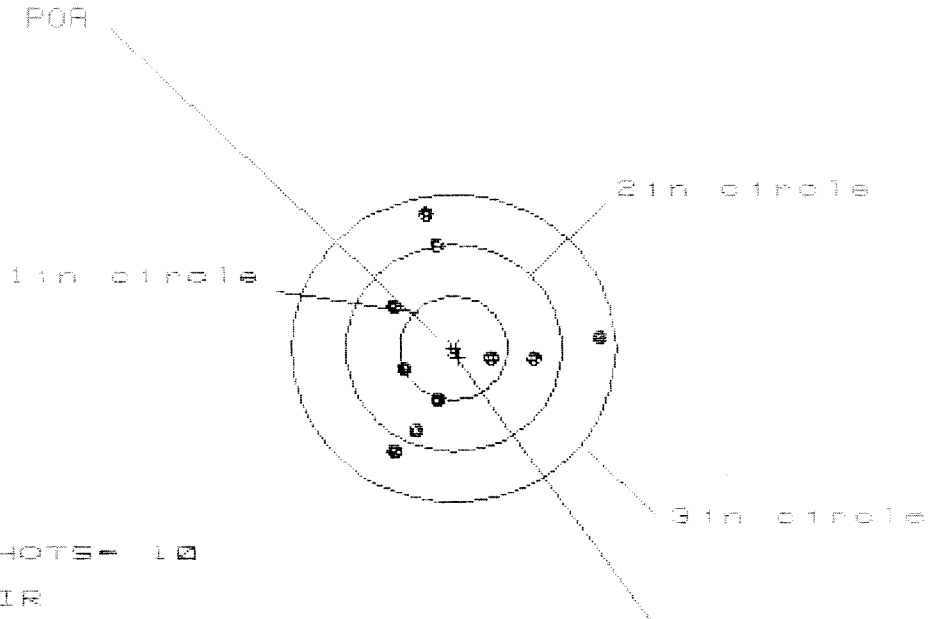
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.418	1.072	.573
MINIMUM X	-1.165	-1.008	-.873
MAXIMUM Y	1.028	1.101	.614
MINIMUM Y	-1.023	-.950	-.812
CENTROID X	.040	-.117	-.252
CENTROID Y	.071	-.002	-.140
POA TO CENTROID in.	.081	.117	.288
MIN RADIUS	.350	.263	.121
MEAN RADIUS	.827	.721	.600
MAX RADIUS	1.562	1.537	.876
HORIZONTAL SPREAD	2.583	2.080	1.446
VERTICAL SPREAD	2.051	2.051	1.426
EXTREME SPREAD	2.703	2.549	1.562
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

14 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636125

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.907

VS= 2.346

GS= 2.372

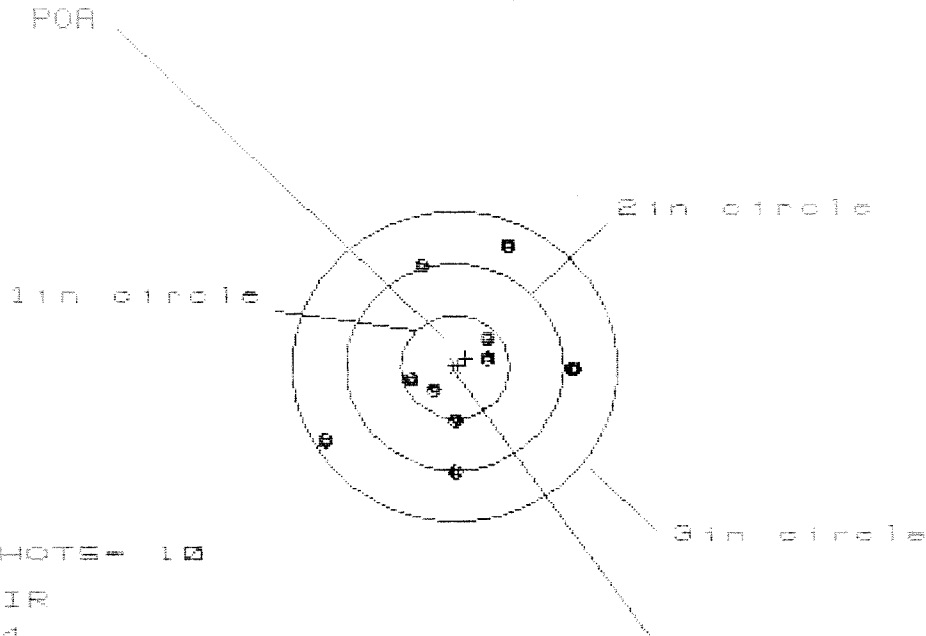
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.351	1.327	.913
MINIMUM X	-.556	-.580	-.414
MAXIMUM Y	1.346	1.116	1.144
MINIMUM Y	-1.000	-.850	-.822
CENTROID X	-.043	-.020	-.186
CENTROID Y	.093	-.057	-.085
POA TO CENTROID in.	.102	.061	.205
MIN RADIUS	.345	.314	.353
MEAN RADIUS	.863	.787	.696
MAX RADIUS	1.362	1.346	1.144
HORIZONTAL SPREAD	1.907	1.907	1.327
VERTICAL SPREAD	2.346	1.966	1.966
EXTREME SPREAD	2.372	2.188	2.012
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

14 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 10

HS= 2.297

VS= 2.218

GS= 2.591

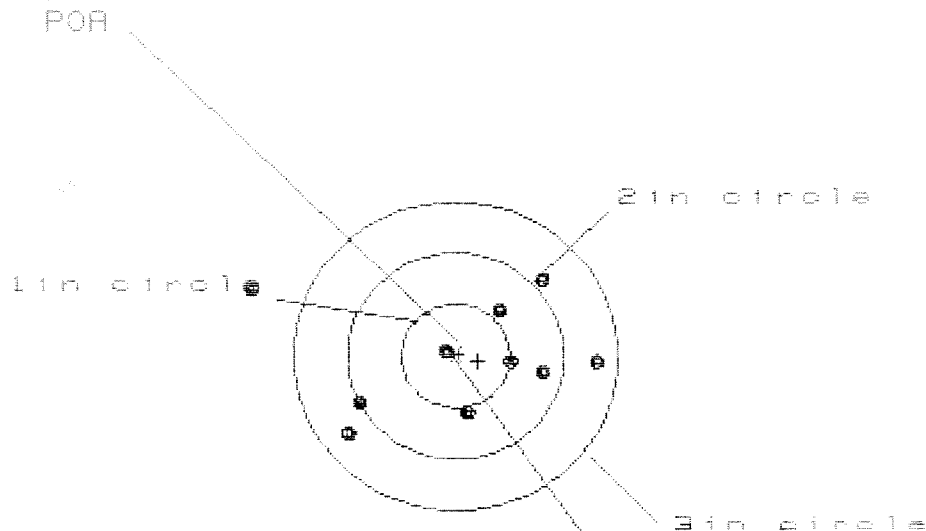
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.063	.926	.966
MINIMUM X	-1.234	-.507	-.467
MAXIMUM Y	1.229	1.147	1.014
MINIMUM Y	-.989	-1.071	-.928
CENTROID X	-.094	.043	.003
CENTROID Y	-.081	.001	-.142
POA TO CENTROID in.	.124	.043	.143
MIN RADIUS	.300	.144	.252
MEAN RADIUS	.783	.701	.627
MAX RADIUS	1.436	1.191	1.108
HORIZONTAL SPREAD	2.297	1.433	1.433
VERTICAL SPREAD	2.218	2.218	1.941
EXTREME SPREAD	2.591	2.257	1.979
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 3.225

VS= 1.473

GS= 3.286

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.317	1.105	.736
MINIMUM X	-1.908	-1.195	-1.057
MAXIMUM Y	.729	.798	.806
MINIMUM Y	-.744	-.675	-.667
CENTROID X	-.207	.005	-.133
CENTROID Y	.050	-.019	-.027
POA TO CENTROID in.	.213	.020	.135
MIN RADIUS	.109	.267	.213
MEAN RADIUS	.921	.764	.727
MAX RADIUS	2.008	1.373	1.250
HORIZONTAL SPREAD	3.225	2.300	1.793
VERTICAL SPREAD	1.473	1.473	1.473
EXTREME SPREAD	3.286	2.416	2.320
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.291

VS= 2.406

GS= 2.980

CENTROID #

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.157	1.090	.881
MINIMUM X	-1.134	-1.201	-1.065
MAXIMUM Y	1.540	.829	.742
MINIMUM Y	-.866	-.694	-.684
CENTROID X	.002	.069	-.067
CENTROID Y	.090	-.081	.006
POA TO CENTROID (in.)	.091	.106	.067
MIN RADIUS	.386	.275	.422
MEAN RADIUS	.907	.806	.745
MAX RADIUS	1.654	1.292	1.078
HORIZONTAL SPREAD	2.291	2.291	1.946
VERTICAL SPREAD	2.406	1.523	1.426
EXTREME SPREAD	2.980	2.479	2.079
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	