

C6611586

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.

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

MODEL 700TM M24

SERIAL NO.
C6611586

ORDER NO.
5716

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

20


5716 C6611586

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611586

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	SS.
617	Drill and Tap Sight Holes	APR	3 1991	WB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-19-91	PA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/26/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/26/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/26/91	K.S.
	D) Oil Firing Pin Ass'y		4/26/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/91	SM

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/1/91	QJL
	G) Safety Off Force	4	4	4			5/1/91	QJL
	H) Trigger Pull Test & Retainability						4/30/91	QJL
	I) Firing Pin Indent	.0225	.023	.023			5/1/91	QJL
	J) Assemble Stock						5/2/91	K.S.
	K) Assemble Swivel Studs						5-11-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/2/91	K.S.
	M) Iron Sight Alignment						5/2/91	K.S.
	N) Detach Front & Rear Sights & place in numbered container						5/2/91	K.S.
	O) Attach Scope to Rifle						5/2/91	K.S.
	P) Detach & Attach Scope 20 Times						5/2/91	K.S.
640	Gallery Target & Test						5-3-91	AC
	A) Time						5-3-91	AC
	B) Malfunctions						5-3-91	AC
	C) Pierced Primers						5-3-91	AC
	D) Optical Clarity of Scope						5-3-91	AC
645	Inspect for Live Ammo						5-3-91	AC
655	Final Inspection							
	A) Headspace						5-11-91	D/H
	B) Trigger Pull	2.23	2.19	2.21	2.24	2.24	5/4/91	QJL
	C) Function						5-11-91	D/H
660	Pack						6-18-91	NF

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

SERIAL NO C6611586
DATE 4/30/91
TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.36	2.41	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.35	2.41	2.19	
PULL #3	2.36	2.41	2.36	2.21	
PULL #4	2.37	2.37	2.38	2.24	
PULL #5	2.39	2.38	2.38	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.26		
PULL #2	3.15	3.52		
PULL #3	3.47	3.50		
PULL #4	3.67	3.46		
PULL #5	3.37	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.53		4.49
PULL #2	4.32	4.46		4.42
PULL #3	4.52	4.42		4.47
PULL #4	4.29	4.43		4.47
PULL #5	4.48	4.45		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611586
3 May 1991

CENTROIDAL DISTANCES

0 TO	1	.243311
1 TO	2	.119101
1 TO	3	.250912
1 TO	4	.113018
1 TO	5	.408397

END <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1104
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1866
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .216813
THE AMR FOR THIS RIFLE IS: 1.01

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611586

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.861

VS= 2.283

GS= 2.880

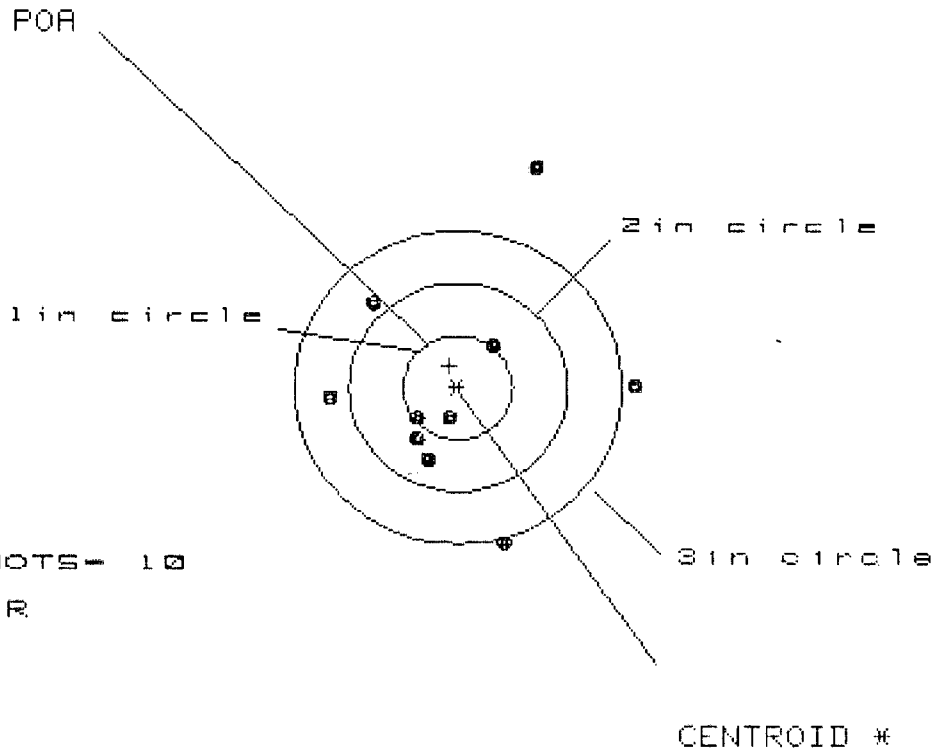
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.115	.921	.923
MINIMUM X	-1.746	-1.358	-1.356
MAXIMUM Y	1.496	1.498	.584
MINIMUM Y	-.787	-.785	-.598
CENTROID X	-.040	.154	.152
CENTROID Y	-.240	-.242	-.429
POA TO CENTROID in.	.243	.286	.455
MIN RADIUS	.253	.380	.308
MEAN RADIUS	1.054	.943	.849
MAX RADIUS	1.746	1.498	1.367
HORIZONTAL SPREAD	2.861	2.279	2.279
VERTICAL SPREAD	2.283	2.283	1.182
EXTREME SPREAD	2.880	2.496	2.415
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

3 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

HS= 2.755

VS= 3.525

GS= 3.536

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.617	1.697	.738
MINIMUM X	:	-1.138	-1.058	-.845
MAXIMUM Y	:	2.077	1.073	1.109
MINIMUM Y	:	-1.448	-1.217	-1.181
CENTROID X	:	.076	-.004	-.217
CENTROID Y	:	-.213	-.444	-.479
POA TO CENTROID in.	:	.226	.444	.526
MIN RADIUS	:	.347	.103	.109
MEAN RADIUS	:	1.030	.824	.660
MAX RADIUS	:	2.199	1.721	1.393
HORIZONTAL SPREAD	:	2.755	2.755	1.583
VERTICAL SPREAD	:	3.525	2.290	2.290
EXTREME SPREAD	:	3.536	2.761	2.604
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

3 May 1991

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CENTERFIRE PATTERNS

3

POR

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.463

VS= 2.506

GS= 3.533

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.840	1.660	.941
MINIMUM X	:	-1.623	-.946	-.739
MAXIMUM Y	:	1.309	1.176	1.097
MINIMUM Y	:	-1.197	-.774	-.853
CENTROID X	:	.186	.366	.159
CENTROID Y	:	-.131	.002	.081
POR TO CENTROID in.	:	.227	.366	.179
MIN RADIUS	:	.290	.146	.362
MEAN RADIUS	:	1.042	.932	.845
MAX RADIUS	:	2.017	1.776	1.322
HORIZONTAL SPREAD	:	3.463	2.606	1.680
VERTICAL SPREAD	:	2.506	1.950	1.950
EXTREME SPREAD	:	3.533	3.172	2.016
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

3 May 1991

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 5

HS= 3.261

VS= 2.380

GS= 3.509

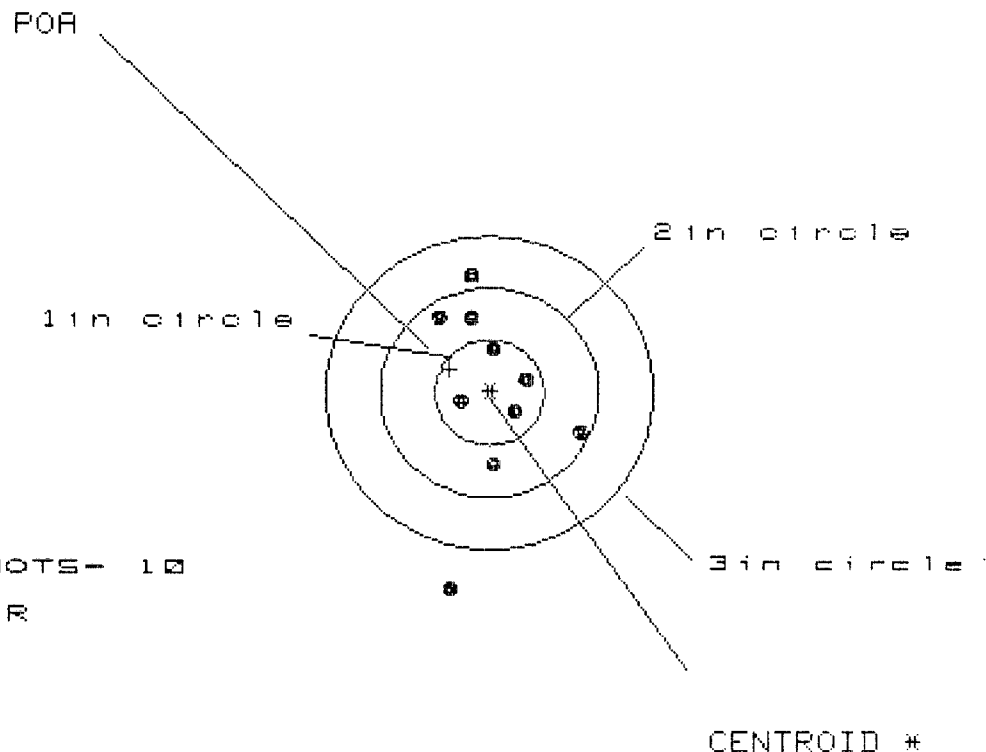
CENTROID #

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.564	1.608	1.418
MINIMUM X	-1.697	-1.524	-1.329
MAXIMUM Y	1.334	1.232	1.145
MINIMUM Y	-1.046	-1.148	-1.235
CENTROID X	-.038	-.211	-.021
CENTROID Y	-.127	-.025	.062
POA TO CENTROID in.	.133	.213	.065
MIN RADIUS	.388	.207	.411
MEAN RADIUS	1.149	1.073	.974
MAX RADIUS	1.813	1.835	1.814
HORIZONTAL SPREAD	3.261	3.132	2.747
VERTICAL SPREAD	2.380	2.380	2.380
EXTREME SPREAD	3.509	3.509	3.416
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	5		

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611566

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 8

HS= 1.299

VS= 3.063

GS= 3.070

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.864	.818	.786
MINIMUM X	-.436	-.481	-.513
MAXIMUM Y	1.166	.955	.669
MINIMUM Y	-1.897	-.879	-.759
CENTROID X	.368	.413	.445
CENTROID Y	-.222	-.011	-.131
POA TO CENTROID in.	.429	.413	.463
MIN RADIUS	.264	.246	.293
MEAN RADIUS	.775	.622	.568
MAX RADIUS	1.941	1.007	.915
HORIZONTAL SPREAD	1.299	1.299	1.299
VERTICAL SPREAD	3.063	1.834	1.428
EXTREME SPREAD	3.070	1.876	1.726
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		