

C6523437

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

R ORDER
94-18225

FDC DAAA09-92-C-0834

ATTN: FRED MARTIN

SCORE 90-0851

MODEL AND GRADE

700 7-62

NATO

SCOPE BASE	
------------	--

SHIP TO:

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AI

AL
36201-5025

CUST NO: 098397 C-DL

WRITE ☐

VIA

FRT

CUSTOMER

TOTAL

INSPECT

© 2000 Blackwell Science Ltd

47

15

10

F4

Figure 1

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MAIN FAULT

PARTS

COMMENTS

Trigger Assy	\$173.71
Scope Rep	119.43
Clean/Insp/Prep	50.00
	<u>343.14</u>

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

	GALLERY TESTER
--	----------------

DATE

DATE _____

DATE _____

DATE _____

DATE _____

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400028138

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523437

DATE 8/24/95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.34	2.39	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.18	2.37	
PULL #3	2.38	2.30	2.49	
PULL #4	2.31	2.31	2.46	
PULL #5	2.32	2.31	2.49	
TOTAL	11.71	11.49	12.17	
AVG.	2.34	2.29	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.30		
PULL #2	3.26	3.33		
PULL #3	3.27	3.27		
PULL #4	3.26	3.33		
PULL #5	3.26	3.33		
TOTAL	16.30	16.54		
AVG.	3.26	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.10	4.38	
PULL #2	4.20	4.11	4.36	
PULL #3	4.19	4.08	4.42	
PULL #4	4.14	4.19	4.40	
PULL #5	4.16	4.06	4.39	
TOTAL	21.06	20.54	21.95	
AVG.	4.21	4.10	4.39	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523437

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

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6	6			11/29	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			11/29	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.68	2.47	2.67	2.62	2.43	11/29	WB
	C) Function							
660	Pack							

Remington®



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

MODEL 700™ M24

SERIAL NO.

C6523437

ORDER NO.

5716

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

01



5716 C6523437

UPC



0 47700 25716 7

EJECTOR
PIN - OK

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523437

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	EA
617	Drill and Tap Sight Holes		10/18/90	KB
618	Polish Barrel RWB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11/5/90	EA
	Apply Coating (Bolt)		11/5/90	EA
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/21/90	WB
	G) Safety Off Force	2	2	2			11/19/90	WB
	H) Trigger Pull Test & Retainability						11/19/90	WB
	I) Firing Pin Indent	.0275	.0225	.023			11/21/90	WB
	J) Assemble Stock						12/7/90	RW
	K) Assemble Swivel Studs						12-8-90	928
	L) Attach Front and Rear Sight Assemblies						12/7/90	RW
	M) Iron Sight Alignment						12/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/7/90	RW
	O) Attach Scope to Rifle						12/7/90	RW
	P) Detach & Attach Scope 20 Times						12/7/90	RW
640	Gallery Target & Test						12/7/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12/7/90	NF
655	Final Inspection							
	A) Headspace						12-8-90	928
	B) Trigger Pull	2.46	260	256	259	258	12-8-90	928
	C) Function						12-8-90	928
660	Pack						12-17-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6523437

DATE 11/19/80

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.33	2.35	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.39	2.27	2.60	
PULL #3	2.44	2.35	2.35	2.56	
PULL #4	2.41	2.37	2.33	2.59	
PULL #5	2.44	2.40	2.31	2.58	
TOTAL	12.11	11.84	11.61		
AVG.	2.42	2.37	2.32		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.07		
PULL #2	3.05	3.04		
PULL #3	3.14	3.01		
PULL #4	3.08	3.05		
PULL #5	3.02	3.00		
TOTAL	15.29	15.17		
AVG.	3.06	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	3.95		4.24
PULL #2	4.01	3.95		4.23
PULL #3	3.98	3.98		4.27
PULL #4	3.95	3.97		4.23
PULL #5	3.98	3.95		4.25
TOTAL	19.93	19.80		21.22
AVG.	3.99	3.96		4.24

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6523437
8 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.224615
1 TO	2	.235869
1 TO	3	.371295
1 TO	4	.246976
1 TO	5	.205913

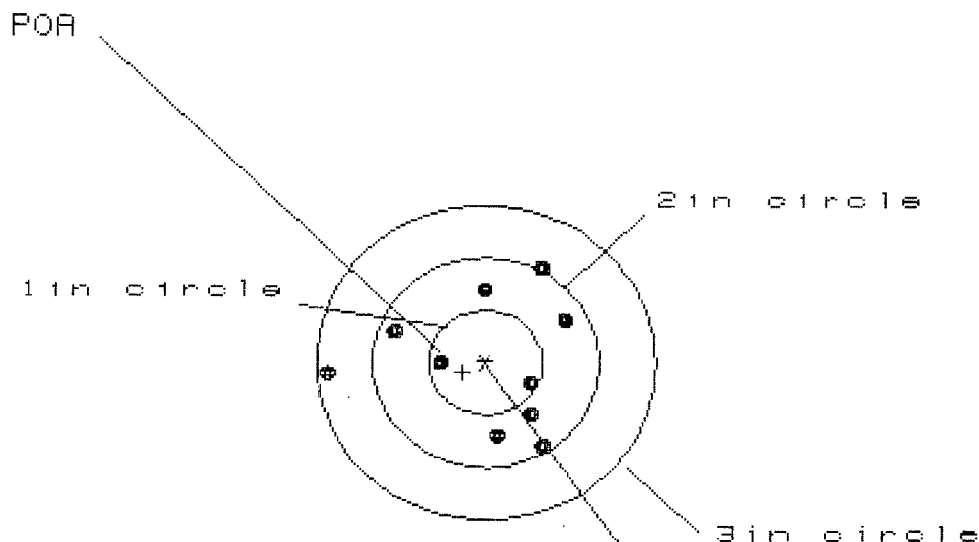
~~4~~ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0628
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0446
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .077026
THE AMR FOR THIS RIFLE IS: .9754

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523437

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.021

VS= 1.779

GS= 2.142

CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.656	.505	.551
MINIMUM X	:	-1.365	-.926	-.880
MAXIMUM Y	:	.950	.943	.811
MINIMUM Y	:	-.829	-.836	-.718
CENTROID X	:	.204	.355	.309
CENTROID Y	:	.094	.101	-.017
POA TO CENTROID in.	:	.224	.369	.310
MIN RADIUS	:	.430	.310	.288
MEAN RADIUS	:	.798	.718	.665
MAX RADIUS	:	1.366	1.013	.976
HORIZONTAL SPREAD	:	2.021	1.431	1.431
VERTICAL SPREAD	:	1.779	1.779	1.529
EXTREME SPREAD	:	2.142	1.780	1.690
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	8		
NUMBER IN THREE INCH CIRCLE =	:	10		

8 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6523437

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS= 3.969

VS= 4.357

GS= 4.446

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.154	.841	.723
MINIMUM X	:	-2.815	-.948	-.589
MAXIMUM Y	:	2.006	2.052	1.764
MINIMUM Y	:	-2.351	-2.305	-1.509
CENTROID X	:	-.011	.302	.420
CENTROID Y	:	-.003	-.049	.239
POA TO CENTROID in.	:	.012	.306	.483
MIN RADIUS	:	.695	.743	.723
MEAN RADIUS	:	1.523	1.309	1.151
MAX RADIUS	:	2.846	2.492	1.774
HORIZONTAL SPREAD	:	3.969	1.789	1.312
VERTICAL SPREAD	:	4.357	4.357	3.273
EXTREME SPREAD	:	4.446	4.446	3.273
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

8 Dec 1998

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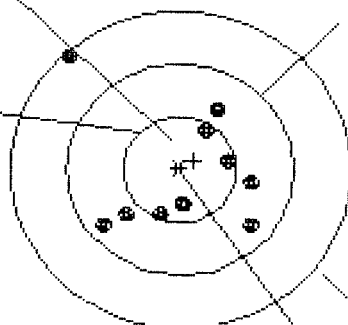
CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.608

VS= 1.549

GS= 2.205

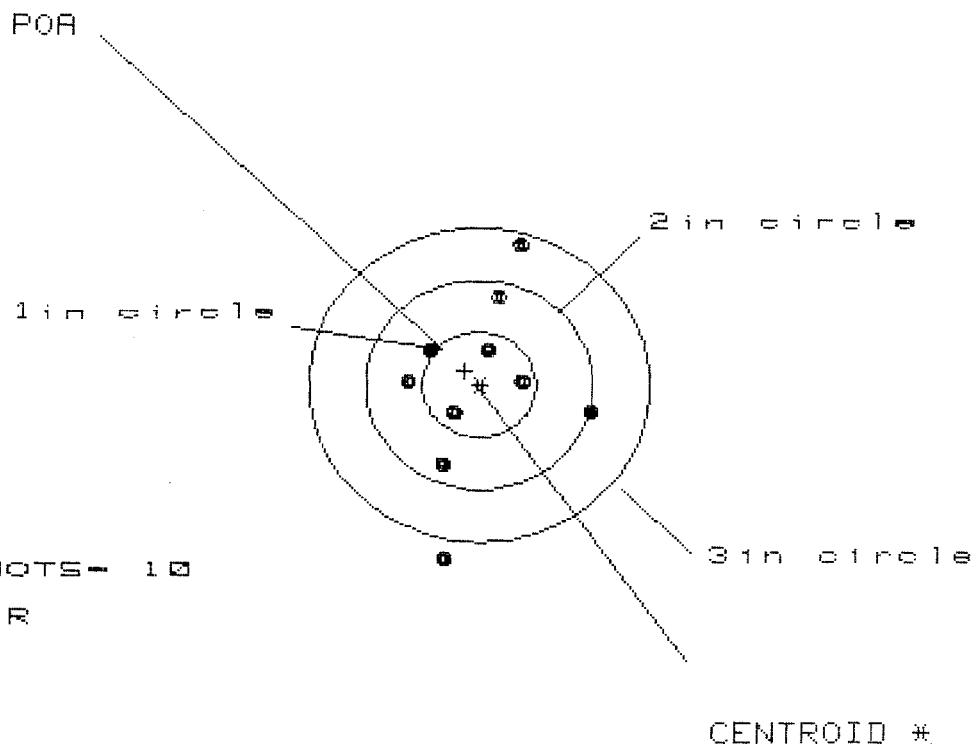
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.636	.528	.429
MINIMUM X	:	-.972	-.794	-.688
MAXIMUM Y	:	1.067	.730	.686
MINIMUM Y	:	-.482	-.363	-.407
CENTROID X	:	-.124	-.016	.083
CENTROID Y	:	-.080	-.199	-.155
POA TO CENTROID in.	:	.148	.200	.175
MIN RADIUS	:	.320	.203	.284
MEAN RADIUS	:	.676	.559	.508
MAX RADIUS	:	1.443	.869	.766
HORIZONTAL SPREAD	:	1.608	1.322	1.117
VERTICAL SPREAD	:	1.549	1.093	1.093
EXTREME SPREAD	:	2.205	1.497	1.315
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Dec 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.566

VS= 3.016

GS= 3.094

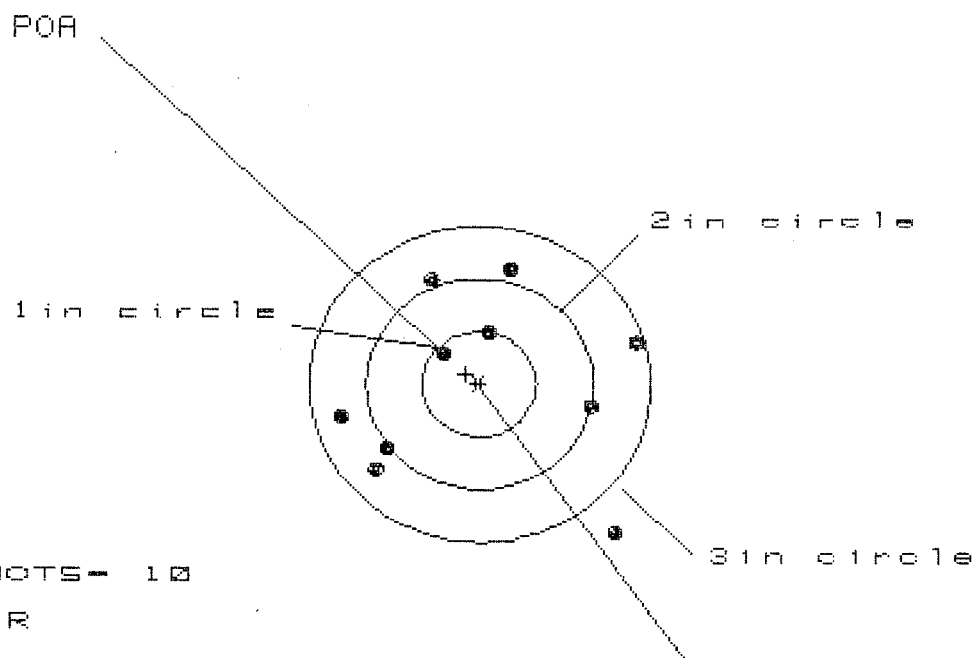
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.930	.890	.927
MINIMUM X	:	-.636	-.676	-.639
MAXIMUM Y	:	1.345	1.159	.835
MINIMUM Y	:	-1.671	-.919	-.774
CENTROID X	:	.125	.165	.128
CENTROID Y	:	-.140	.046	-.099
POA TO CENTROID in.	:	.188	.171	.162
MIN RADIUS	:	.301	.138	.286
MEAN RADIUS	:	.794	.672	.602
MAX RADIUS	:	1.709	1.197	.982
HORIZONTAL SPREAD	:	1.566	1.566	1.566
VERTICAL SPREAD	:	3.016	2.078	1.609
EXTREME SPREAD	:	3.094	2.188	1.703
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523437

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 2

2in - 3

3in = 9

HS- 2.576

VS= 2.462

GS= 2.907

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.494	1.257
MINIMUM X	:	-1.217	-1.082	-.896
MAXIMUM Y	:	1.080	.927	.958
MINIMUM Y	:	-1.382	-.976	-.945
CENTROID X	:	.120	-.015	-.201
CENTROID Y	:	-.094	.059	.028
POA TO CENTROID in.	:	.152	.061	.203
MIN RADIUS	:	.455	.258	.159
MEAN RADIUS	:	1.086	.958	.868
MAX RADIUS	:	1.835	1.514	1.295
HORIZONTAL SPREAD	:	2.576	2.576	2.153
VERTICAL SPREAD	:	2.462	1.903	1.903
EXTREME SPREAD	:	2.907	2.663	2.269
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	