

C6523395

MODEL 700™ M24

Model **SMS**™

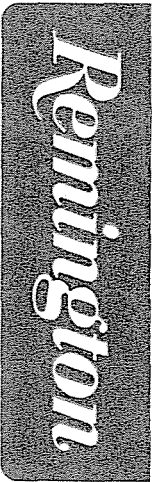
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



90-
Scope 0344

SHIP TO:

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

AL 36201-5025

AL
36201-5025

CUST NO:098397 C.O.D.

FRT

INSPECT

MAIN FAULT

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400027368

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523395DATE 12-1-94TESTER BMM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.48	2.56		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.48	2.47		
PULL #3	2.61	2.70	2.55		
PULL #4	2.65	2.55	2.50		
PULL #5	2.67	2.63	2.54		
TOTAL	13.15	12.84	12.62		
AVG.	2.63	2.56	2.52		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.08		
PULL #2	3.04	2.99		
PULL #3	3.04	3.10		
PULL #4	3.17	3.05		
PULL #5	3.11	3.08		
TOTAL	15.52	15.30		
AVG.	3.10	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.05		4.05
PULL #2	4.03	4.13		4.07
PULL #3	4.02	3.96		4.19
PULL #4	4.08	4.14		4.23
PULL #5	4.13	4.14		4.20
TOTAL	20.34	20.42		20.74
AVG.	4.06	4.08		4.14

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C652 3395

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							
	G) Safety Off Force							
	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	2.85	2.80	2.81	2.75	2.77	11/22/95	W.B
	C) Function							
660	Pack							

Remington



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

MODEL 700™ H24

SERIAL NO.
C6523395

ORDER NO.
5716

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

Ø1



5716 C6523395

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523395

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 2 90		RW
600	Proof	10 2 90		RW
607	Check Headspace	10 2 90		RW
610	Dis-assemble Gun		90	RW
612	Magnaflux Barrel Action		10-2-90	KR
	Magnaflux Bolt		10-2-90	KR
615	Rollmark Caliber		10-2-90	GL
617	Drill and Tap Sight Holes		10/4/90	LB
618	Polish Barrel RWB		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/1/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			11/2/90	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			11/2/90	WB
	H) Trigger Pull Test & Retainability						11/1/90	JH
	I) Firing Pin Indent	.022	.022	.022			11/2/90	WB
	J) Assemble Stock						11/2/90	RW
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/2/90	RW
	M) Iron Sight Alignment						11/2/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/2/90	RW
	O) Attach Scope to Rifle						11/2/90	RW
	P) Detach & Attach Scope 20 Times						11/2/90	RW
640	Gallery Target & Test						11/3/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/3/90	NF
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	2.78	2.76	2.78	2.81	2.83	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/14/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523395

DATE 11/1/90

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.36	2.26	278	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.33	2.20	276	
PULL #3	2.23	2.30	2.26	278	
PULL #4	2.31	2.20	2.35	281	
PULL #5	2.28	2.25	2.30	283	
TOTAL	11.42	11.44	11.37		
AVG.	2.284	2.288	2.274		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.25		
PULL #2	3.22	3.23		
PULL #3	3.26	3.17		
PULL #4	3.17	3.15		
PULL #5	3.19	3.19		
TOTAL	16.08	15.99		
AVG.	3.216	3.198		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.14		4.14
PULL #2	4.28	4.20		4.18
PULL #3	4.26	4.26		4.12
PULL #4	4.13	4.24		4.23
PULL #5	4.28	4.25		4.17
TOTAL	21.21	21.09		20.84
AVG.	4.242	4.218		4.168

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523395
3 Nov 1990

CENTROIDAL DISTANCES

Ø TO	1	.146185
1 TO	2	.212445
1 TO	3	.221416
1 TO	4	.268203
1 TO	5	.0834865

20
94 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0386
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1052
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112058

THE AMR FOR THIS RIFLE IS: .9886

3 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523395

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.156

VS = 2.121

GS = 3.463

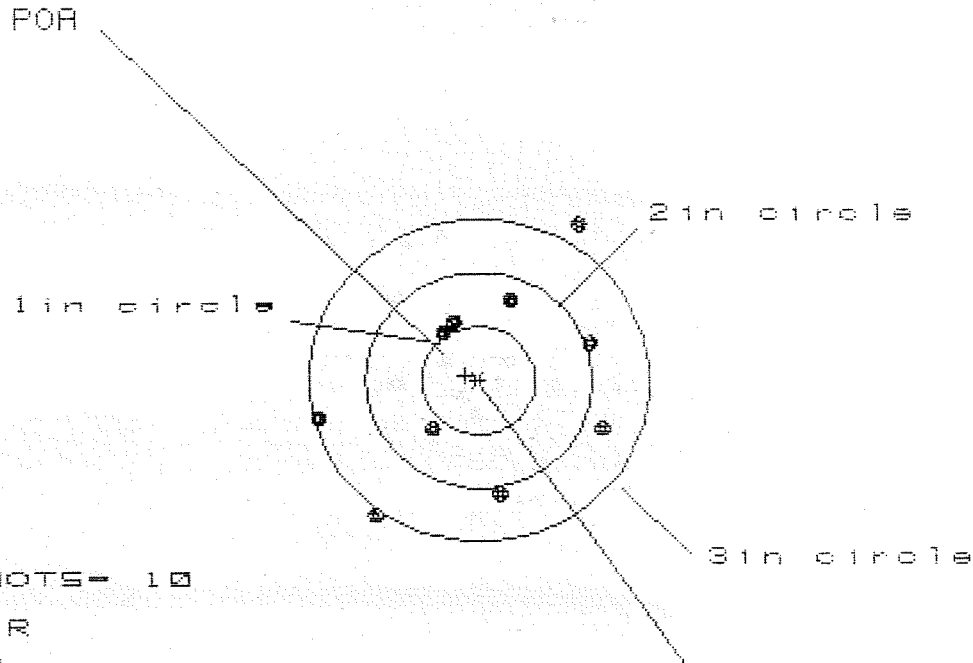
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.028	1.172	1.059
MINIMUM X	-1.128	-0.903	-0.579
MAXIMUM Y	.821	.835	.674
MINIMUM Y	-1.300	-1.286	-0.648
CENTROID X	-.079	-.304	-.192
CENTROID Y	-.123	-.137	.024
POA TO CENTROID in.	.146	.334	.193
MIN RADIUS	.151	.151	.254
MEAN RADIUS	.966	.792	.715
MAX RADIUS	2.032	1.571	1.256
HORIZONTAL SPREAD	3.156	2.075	1.638
VERTICAL SPREAD	2.121	2.121	1.322
EXTREME SPREAD	3.463	2.967	2.058
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

3 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523395

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 2.491

VS= 2.651

GS= 3.237

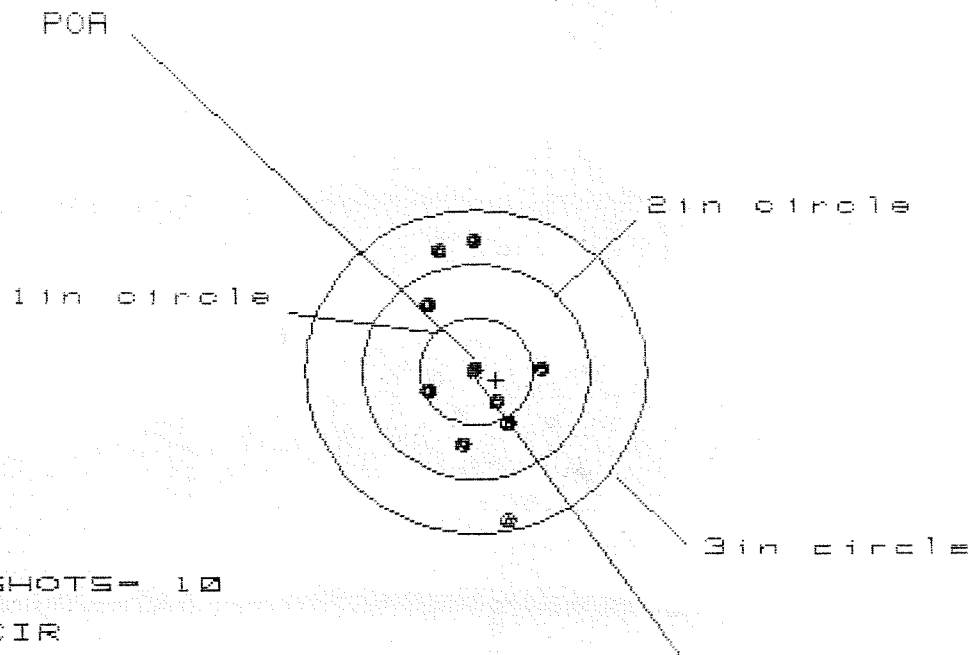
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.044	1.146	1.040
MINIMUM X	-1.447	-1.345	-1.451
MAXIMUM Y	1.405	.921	.784
MINIMUM Y	-1.246	-1.089	-1.052
CENTROID X	.119	.017	.123
CENTROID Y	-.046	-.203	-.067
POA TO CENTROID in.	.127	.203	.140
MIN RADIUS	.573	.412	.584
MEAN RADIUS	1.050	.978	.910
MAX RADIUS	1.674	1.380	1.492
HORIZONTAL SPREAD	2.491	2.491	2.491
VERTICAL SPREAD	2.651	2.010	1.837
EXTREME SPREAD	3.237	2.491	2.491
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

3 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523395

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.056

VS= 2.692

GS= 2.704

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.581	.612	.619
MINIMUM X	-.475	-.444	-.437
MAXIMUM Y	1.272	1.114	1.065
MINIMUM Y	-1.420	-.865	-.726
CENTROID X	-.174	-.205	-.212
CENTROID Y	.077	.235	.096
POA TO CENTROID in.	.191	.312	.233
MIN RADIUS	.054	.115	.024
MEAN RADIUS	.733	.671	.576
MAX RADIUS	1.447	1.115	1.102
HORIZONTAL SPREAD	1.056	1.056	1.056
VERTICAL SPREAD	2.692	1.979	1.791
EXTREME SPREAD	2.704	1.987	1.799
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

3 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06523395

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.873

VS= 3.503

GS= 3.505

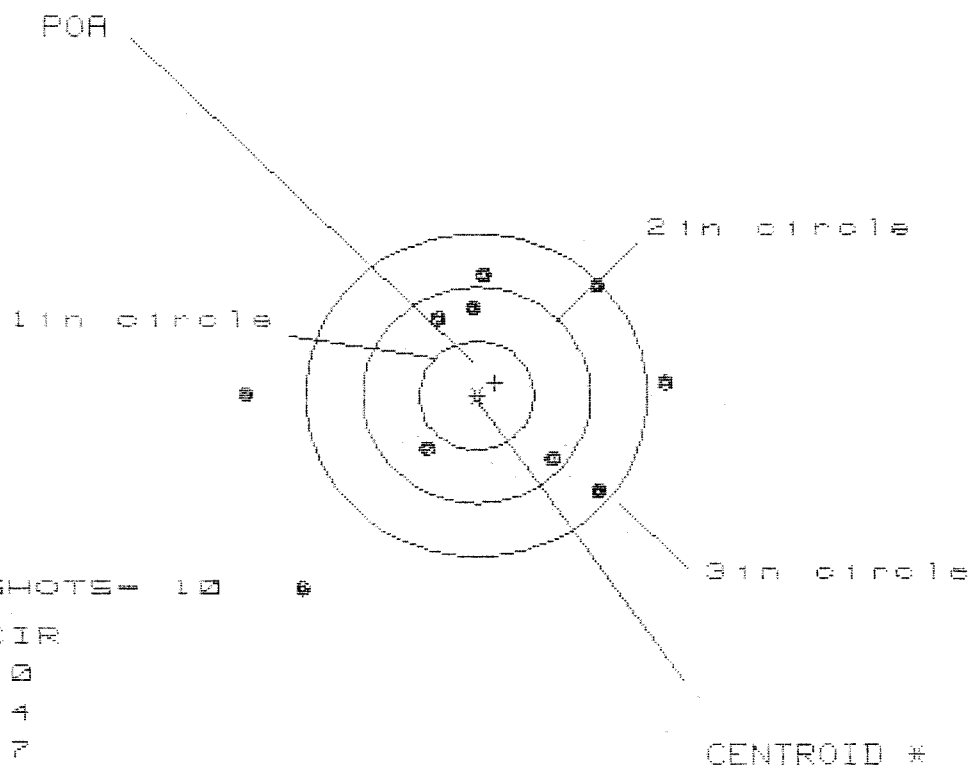
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.731	.716	.711
MINIMUM X	:	-1.142	-1.157	-1.162
MAXIMUM Y	:	1.492	1.269	.546
MINIMUM Y	:	-2.011	-.837	-.678
CENTROID X	:	.103	.118	.123
CENTROID Y	:	-.320	-.097	-.256
POA TO CENTROID in.	:	.337	.153	.284
MIN RADIUS	:	.290	.192	.232
MEAN RADIUS	:	.893	.744	.668
MAX RADIUS	:	2.015	1.270	1.284
HORIZONTAL SPREAD	:	1.873	1.873	1.873
VERTICAL SPREAD	:	3.503	2.106	1.224
EXTREME SPREAD	:	3.505	2.238	2.237
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523355

CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.675	1.505	1.227
MINIMUM X	:	-2.056	-2.226	-1.874
MAXIMUM Y	:	1.112	.916	.894
MINIMUM Y	:	-1.761	-1.088	-1.110
CENTROID X	:	-.162	.008	.286
CENTROID Y	:	-.114	.082	.104
POA TO CENTROID in.	:	.198	.082	.304
MIN RADIUS	:	.641	.632	.771
MEAN RADIUS	:	1.301	1.151	1.005
MAX RADIUS	:	2.328	2.233	1.269
HORIZONTAL SPREAD	:	3.731	3.731	2.101
VERTICAL SPREAD	:	2.873	2.004	2.004
EXTREME SPREAD	:	3.733	3.733	2.257
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	