

C6498861

MODEL 780™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



RECEIVING AND ESTIMATING REPORT

BARBER - M24 0009065

COMMENTS

23 CLUCKS LEFT

ORDER

R 94-18810

INITIAL CUSTOMER ORDER NO.

W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT

ATTN FRED MARTIN

SCOPE 90-393

JJM DAAA09-92-C-0834

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/14/94

06/15/94

C6498861

700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

SLING STRAP

FROM:

SHIP TO:

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

AL 36201-5025

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

AL

36201-5025

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Trigger Assy 173.71

Scope Rep 119.43

Clean/Insp/Prep 50.00

343.14

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0009065 09104

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 16498861

DATE 9-18-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.57	2.43	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.40	2.44	
PULL #3	2.40	2.34	2.45	
PULL #4	2.35	2.31	2.44	
PULL #5	2.21	2.37	2.45	
TOTAL	12.01	11.85	12.36	
AVG.	2.40	2.37	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.07	3.15	
PULL #2	2.92	3.25	
PULL #3	3.10	3.13	
PULL #4	3.14	3.31	
PULL #5	3.18	3.16	
TOTAL	15.41	16.00	
AVG.	3.08	3.20	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.00	4.10	
PULL #2	4.07	3.96	4.36	
PULL #3	3.85	3.95	4.32	
PULL #4	4.16	3.95	4.39	
PULL #5	4.03	3.85	4.24	
TOTAL	20.17	19.71	21.41	
AVG.	4.03	3.94	4.28	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6498861

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			

BARBER - M24 0009068

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6 3/4	6 3/4			11/28	WB
	G) Safety Off Force	3	2 1/2	2 1/2			11/28	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	2.54	2.63	2.60	2.68	2.57	11/28	WB
	C) Function							
660	Pack							

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498861

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 30		RW
600	Proof	7 12 30		RW
607	Check Headspace	7 12 30		RW
610	Dis-assemble Gun	7 12 30		RW
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	LR
615	Rollmark Caliber		7-17-90	G.S.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7/26/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/30/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8/30/90	WB
	H) Trigger Pull Test & Retainability						8/29/90	WB
	I) Firing Pin Indent	.024	.024	.024			8/30/90	WB
	J) Assemble Stock						9/5/90	RW
	K) Assemble Swivel Studs						9/9/90	JS
	L) Attach Front and Rear Sight Assemblies						9/5/90	RW
	M) Iron Sight Alignment						9/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/5/90	RW
	O) Attach Scope to Rifle						9/5/90	RW
	P) Detach & Attach Scope 20 Times						9/5/90	RW
640	Gallery Target & Test						9-7-90	DH
	A) Time						9-7-90	DH
	B) Malfunctions						9-7-90	DH
	C) Pierced Primers						9-7-90	DH
	D) Optical Clarity of Scope						9-7-90	DH
645	Inspect for Live Ammo						9-7-90	DH
655	Final Inspection							
	A) Headspace						9/9/90	JS
	B) Trigger Pull	245	242	245	251	253	9/9/90	JS
	C) Function						9/9/90	JS
660	Pack						9-18-90	JH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498861

DATE Aug 29, 1990

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.56	2.37	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.52	2.42	2.42	
PULL #3	2.42	2.50	2.40	2.45	
PULL #4	2.40	2.54	2.33	2.51	
PULL #5	2.49	2.45	2.43	2.53	
TOTAL	12.14	12.57	11.95		
AVG.	2.43	2.51	2.39		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.33		
PULL #2	3.49	3.27		
PULL #3	3.48	3.37		
PULL #4	3.46	3.32		
PULL #5	3.48	3.41		
TOTAL	17.36	16.70		
AVG.	3.45	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.11		4.13
PULL #2	4.21	4.02		4.12
PULL #3	4.15	3.95		4.13
PULL #4	4.16	4.05		4.06
PULL #5	4.18	4.00		4.08
TOTAL	20.87	20.13		20.52
AVG.	4.17	4.03		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498861
7 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.103092
1 TO	2	.31453
1 TO	3	.135624
1 TO	4	.31737
1 TO	5	.154987

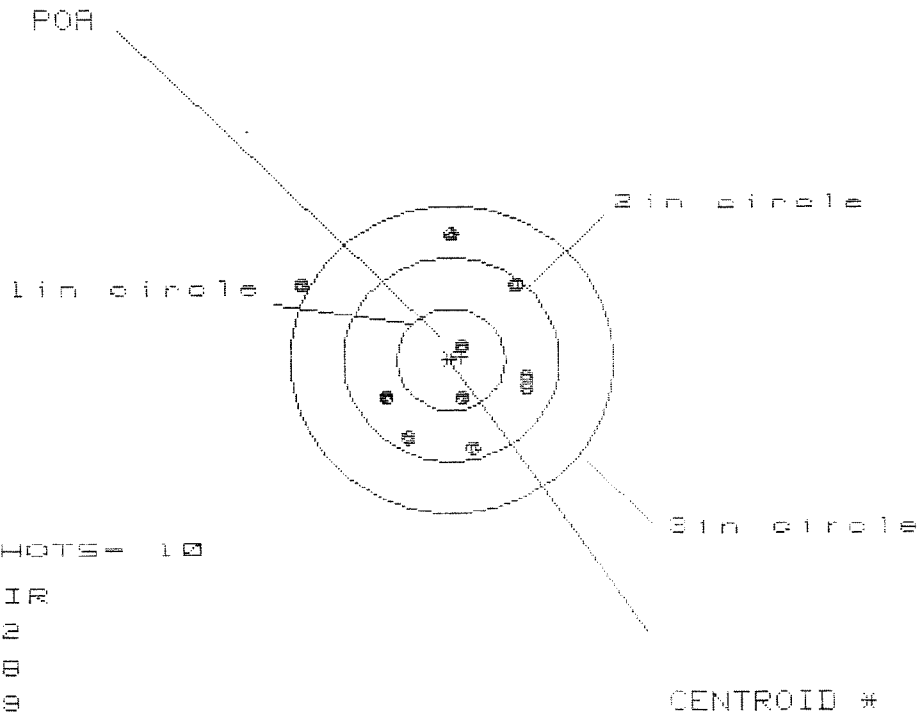
At (---)POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1234
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0918
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .153801
THE AMR FOR THIS RIFLE IS: .9382

7 Sep 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6498861

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.145

VS= 2.065

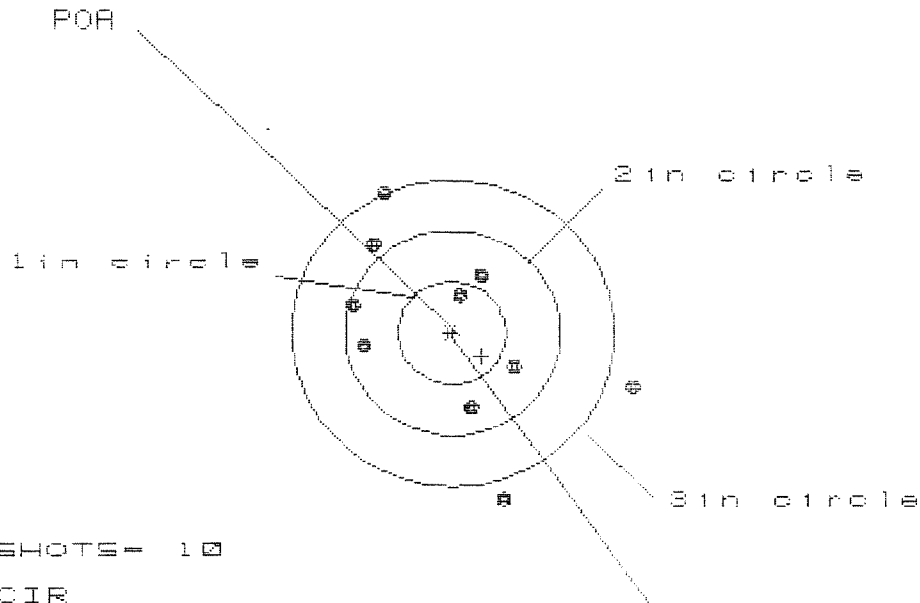
GS= 2.351

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.730	.573	.550
MINIMUM X	:	-1.415	-.723	-.746
MAXIMUM Y	:	1.201	1.286	.971
MINIMUM Y	:	-.864	-.779	-.618
CENTROID X	:	-.098	.059	.082
CENTROID Y	:	-.032	-.117	-.278
POA TO CENTROID in.	:	.103	.131	.289
MIN RADIUS	:	.190	.241	.159
MEAN RADIUS	:	.826	.708	.609
MAX RADIUS	:	1.607	1.299	1.066
HORIZONTAL SPREAD	:	2.145	1.296	1.296
VERTICAL SPREAD	:	2.065	2.065	1.589
EXTREME SPREAD	:	2.351	2.081	1.846
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498861

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 7

HS= 2.536

VS= 2.991

GS= 3.181

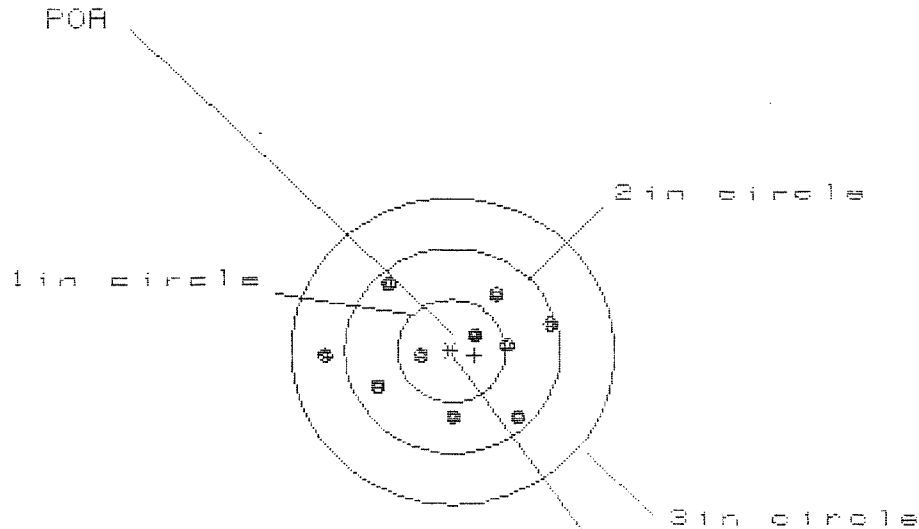
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.634	.788	.784
MINIMUM X	:	-.982	-.721	-.645
MAXIMUM Y	:	1.381	1.322	1.114
MINIMUM Y	:	-1.610	-1.669	-1.024
CENTROID X	:	-.275	-.456	-.532
CENTROID Y	:	.228	.287	.495
POA TO CENTROID in.	:	.357	.539	.727
MIN RADIUS	:	.415	.412	.321
MEAN RADIUS	:	1.031	.938	.862
MAX RADIUS	:	1.715	1.776	1.183
HORIZONTAL SPREAD	:	2.536	1.429	1.429
VERTICAL SPREAD	:	2.991	2.991	2.138
EXTREME SPREAD	:	3.181	3.181	2.312
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG498861

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 2.108

VS= 1.355

GS= 2.139

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.938	.808	.610
MINIMUM X	:	-1.170	-.790	-.689
MAXIMUM Y	:	.705	.696	.730
MINIMUM Y	:	-.650	-.659	-.625
CENTROID X	:	-.211	-.081	-.182
CENTROID Y	:	.043	.052	.018
POA TO CENTROID in.	:	.215	.096	.183
MIN RADIUS	:	.245	.140	.235
MEAN RADIUS	:	.706	.636	.612
MAX RADIUS	:	1.173	.984	.941
HORIZONTAL SPREAD	:	2.108	1.598	1.299
VERTICAL SPREAD	:	1.355	1.355	1.355
EXTREME SPREAD	:	2.139	1.798	1.798
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498861

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.187

VS= 2.163

GS= 2.339

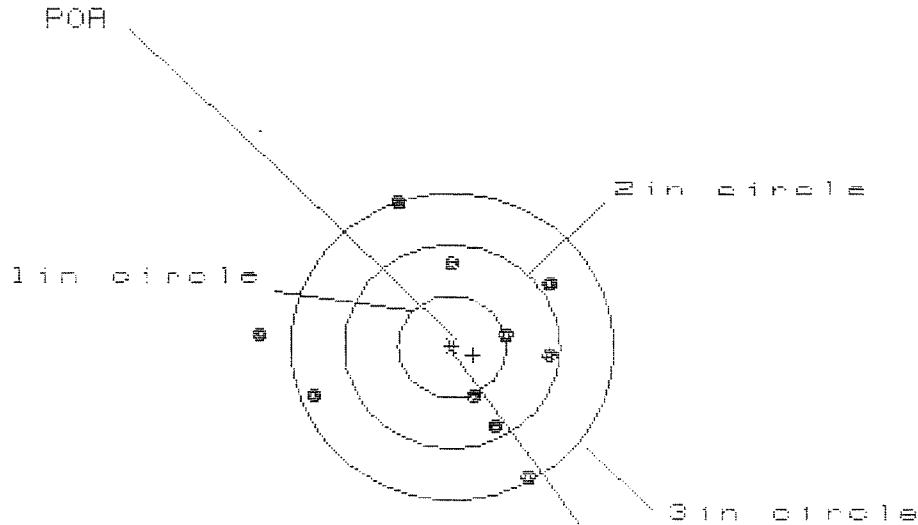
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	1.258	1.275
MINIMUM X	:	-.983	-.929	-.912
MAXIMUM Y	:	1.361	1.505	1.045
MINIMUM Y	:	-.802	-.658	-.470
CENTROID X	:	.170	.116	.099
CENTROID Y	:	.138	-.006	-.194
POA TO CENTROID in.	:	.219	.116	.218
MIN RADIUS	:	.665	.520	.386
MEAN RADIUS	:	1.046	.970	.845
MAX RADIUS	:	1.383	1.511	1.418
HORIZONTAL SPREAD	:	2.187	2.187	2.187
VERTICAL SPREAD	:	2.163	2.163	1.515
EXTREME SPREAD	:	2.339	2.334	2.334
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498861

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.730

VS= 2.687

GS= 2.955

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.908	.705	.770
MINIMUM X	:	-1.822	-1.451	-1.386
MAXIMUM Y	:	1.390	1.403	1.242
MINIMUM Y	:	-1.297	-1.284	-1.895
CENTROID X	:	-.203	-.000	-.065
CENTROID Y	:	.082	.069	.230
POA TO CENTROID in.	:	.219	.069	.239
MIN RADIUS	:	.508	.362	.392
MEAN RADIUS	:	1.082	.949	.904
MAX RADIUS	:	1.826	1.573	1.510
HORIZONTAL SPREAD	:	2.730	2.156	2.156
VERTICAL SPREAD	:	2.687	2.687	2.137
EXTREME SPREAD	:	2.955	2.955	2.395
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700[™] M24

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

SERIAL NO.
C6498861

ORDER NO.
5716

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

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