

C6611790

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

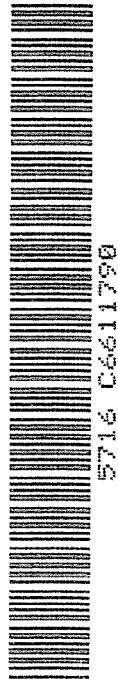
MODEL 700TM M24

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

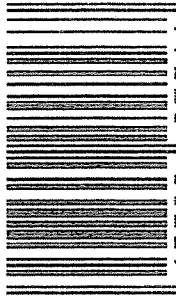
SERIAL NO. C6611790	ORDER NO. 5716
-------------------------------	--------------------------

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

48



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611790

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	91	Rw
600	Proof	3 28	91	Rw
607	Check Headspace	3 28	91	Rw
610	Dis-assemble Gun	3 28	91	Rw
612	Magnaflux Barrel Action		APR 2 1991	KR
	Magnaflux Bolt		APR 2 1991	11
615	Rollmark Caliber		APR 2 1991	JS
617	Drill and Tap Sight Holes		APR 5 1991	LB
618	Polish Barrel		APR 5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	Rw
	C) Inspect Ejector Hole for Chamfer		4/16/91	Rw
	D) Oil Firing Pin Ass'y		4/16/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/91	JA

op. #	BARBER, M24 0036051 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	5	4 1/4			5-2-91	D/H
	G) Safety Off Force	3	3	3			5-2-91	D/H
	H) Trigger Pull Test & Retainability						5/2/91	JEL
	I) Firing Pin Indent	.021	.021	.020			5-2-91	D/H
	J) Assemble Stock						5/3/91	RW
	K) Assemble Swivel Studs						5-10-91	AC
	L) Attach Front and Rear Sight Assemblies						5/3/91	RW
	M) Iron Sight Alignment						5/3/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/3/91	RW
	O) Attach Scope to Rifle						5/3/91	RW
	P) Detach & Attach Scope 20 Times						5/3/91	RW
640	Gallery Target & Test						5/3/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						5/3/91	KT
655	Final Inspection							
	A) Headspace						5-10-91	AC
	B) Trigger Pull	2.19	2.45	2.37	2.44	2.32	5/9/91	JH
	C) Function						5-10-91	AC
660	Pack						6-17-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611790

DATE 5-2-91

TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.33	2.18	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.24	2.25	2.45	
PULL #3	2.30	2.22	2.31	2.37	
PULL #4	2.28	2.17	2.20	2.44	
PULL #5	2.25	2.20	2.26	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.33		
PULL #2	3.47	3.45		
PULL #3	3.55	3.36		
PULL #4	3.49	3.56		
PULL #5	3.49	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.40		4.45
PULL #2	4.24	4.41		4.42
PULL #3	4.15	4.37		4.28
PULL #4	4.38	4.31		4.32
PULL #5	4.37	4.40		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611790
3 May 1991

CENTROIDAL DISTANCES

0 TO	1	.111288
1 TO	2	.0138015
1 TO	3	.210794
1 TO	4	.169729
1 TO	5	.0414005

←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1102
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .007
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110422
THE AMR FOR THIS RIFLE IS: 1.018

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611790

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS = 2.766

VS = 2.797

GS = 3.400

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.218	1.116	.910
MINIMUM X	-1.548	-1.650	-1.088
MAXIMUM Y	1.095	.905	.947
MINIMUM Y	-1.702	-.994	-.952
CENTROID X	.111	.213	.419
CENTROID Y	.008	.198	.156
POA TO CENTROID in.	.112	.290	.447
MIN RADIUS	.192	.148	.355
MEAN RADIUS	1.086	.974	.880
MAX RADIUS	1.932	1.684	1.386
HORIZONTAL SPREAD	2.766	2.766	1.918
VERTICAL SPREAD	2.797	1.899	1.899
EXTREME SPREAD	3.400	2.795	2.570
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611790

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.375

VS = 2.637

GS = 2.713

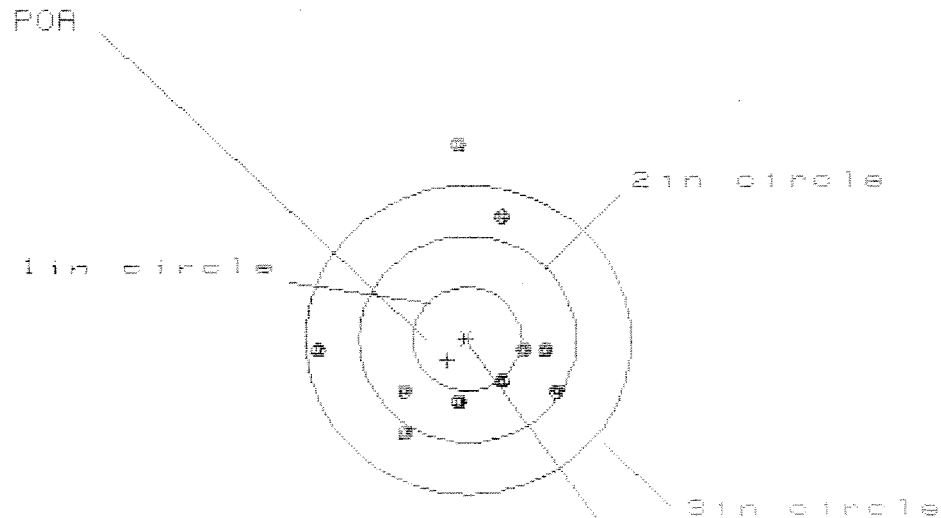
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.200	1.115	.994
MINIMUM X	:	-1.175	-1.260	-1.381
MAXIMUM Y	:	1.171	1.008	.673
MINIMUM Y	:	-1.466	-1.750	-1.624
CENTROID X	:	.119	.204	.325
CENTROID Y	:	-.003	.160	.034
POA TO CENTROID in.	:	.120	.259	.327
MIN RADIUS	:	.293	.455	.364
MEAN RADIUS	:	.965	.890	.802
MAX RADIUS	:	1.651	1.398	1.536
HORIZONTAL SPREAD	:	2.375	2.375	2.375
VERTICAL SPREAD	:	2.637	1.758	1.297
EXTREME SPREAD	:	2.713	2.713	2.696
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511780

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.185

VS = 2.789

GS = 2.822

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.838
MINIMUM X	-1.347
MAXIMUM Y	1.902
MINIMUM Y	-.887
CENTROID X	.186
CENTROID Y	.205
POA TO CENTROID in.	.277
MIN RADIUS	.495
MEAN RADIUS	.961
MAX RADIUS	1.906
HORIZONTAL SPREAD	2.185
VERTICAL SPREAD	2.789
EXTREME SPREAD	2.822
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811790

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 2.086

VS = 2.332

GS = 2.402

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.805
MINIMUM X	-1.281
MAXIMUM Y	.972
MINIMUM Y	-1.360
CENTROID X	.049
CENTROID Y	-.150
POA TO CENTROID in.	.150
MIN RADIUS	.470
MEAN RADIUS	.905
MAX RADIUS	1.361
HORIZONTAL SPREAD	2.086
VERTICAL SPREAD	2.332
EXTREME SPREAD	2.402
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611790

CENTERFIRE PATTERNS

5

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 8

HS = 2.749

VS = 2.342

GS = 3.127

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.382	1.230	1.210
MINIMUM X	-1.367	-1.227	-1.073
MAXIMUM Y	1.103	.966	.844
MINIMUM Y	-1.239	-.973	-1.048
CENTROID X	.086	.238	.084
CENTROID Y	-.025	.112	.234
POR TO CENTROID in.	.090	.263	.249
MIN RADIUS	.789	.899	.707
MEAN RADIUS	1.172	1.086	.996
MAX RADIUS	1.845	1.569	1.241
HORIZONTAL SPREAD	2.749	2.457	2.283
VERTICAL SPREAD	2.342	1.939	1.892
EXTREME SPREAD	3.127	2.623	2.328
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R

94-23642

INITIAL CUSTOMER ORDER NO.

ATTN: FRED MARTIN

FPS

M-24

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

08/15/94

08/15/94

CI 4-91

C6611790

700 7.62

NATO

ACCESSORIES

HARD CASE

W/STUDS

SCOPE BASE

FROM:

SHIP TO:

US ARMY ARDEC
ATTN JOHN BUCH BLDG 91
PO #94V0672
PICATINNY ARSENAL NJ 07806

US ARMY ARDEC
ATTN JOHN BUCH BLDG 91
PO #94V0672
PICATINNY ARSENAL NJ 07806

CUST NO: 087399 C.O.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

R467200300

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

~~Weapon~~ Weapon Will Not Eject Rounds

PARTS

COMMENTS

Could find no problem
with EXtracting or
Ejecting Rounds

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

W52H09 4242 H206

OFFICE COPY

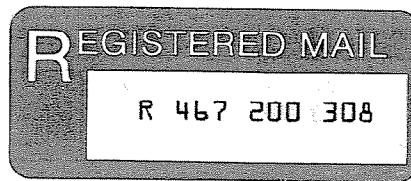
RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 003609936098

2

,N.J.07806



NGTON ARMS COMPANY INC.
OEFLER AVE
N,NY.13357
MARTIN

001XXV

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)	
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG							
SECTION I - EQUIPMENT DATA							
CONTROL NUMBER		WORK ORDER NO.		WESDC 4W		ORG. PD 07	
PD AUTHENTICATION <i>Richard H. Berthman</i>							
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION CO B 3/172nd INF (MIN)		B. LOCATION BREWER, ME 04412-1739		C. UNIT IDENT CODE W49B0	
2. SERIAL NO. 06611790		3. NOUN NOMENCLATURE RIFLE 7.62mm		4. LINE NO. R95387		5. MODEL M24	
6. NATIONAL STOCK NUMBER 1005-01-240-2136							
7A. MAINTENANCE ACTIVITY DEPOT		B. LEVEL D		8. UTILIZATION CODE 7		9A. MCSR ITEM Y	
				9B. ERC A		9C. PACING ITEM	
				10. HOURS		11. MILES	
				12. ROUNDS		13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)				15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)			
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other				☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☒ 387 Low Performance ☐ Other			
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)							
WEAPON WILL NOT EJECT ROUNDS							
WEAPON SHIPPED WITH AIR DROP CASE							
UNIT TELEPHONE # (207) 989-7450 FCC AT THIS UNIT IS SFC JARED SMITH							
B. REMARKS							
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)							
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3.				13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.			
23. SUBMITTED BY <i>R. Berthman</i>		24. RECEIVED BY					
JULIAN DATE 4214		JULIAN DATE					

MAINTENANCE REQUEST				PAGE NO. 1	NO OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC 4W		ORG. PD 07		PD AUTHENTICATION <i>Richard H. Burtman</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION CO B 3/172nd INF (MIN)		B. LOCATION BREMEN, ME 04412-1739				C. UNIT IDENT CODE W4980	
2. SERIAL NO. 06611790		3. NOUN NOMENCLATURE RIFLE 7.62mm		4. LINE NO. R95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY DEPU		B. LEVEL D		8. UTILIZATION CODE 7		9A. MCSR ITEM Y		9B. ERC A	
						9C. PACING ITEM		10. HOURS	
								11. MILES	
								12. ROUNDS	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)									
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other									
15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)									
☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☒ 387 Low Performance ☐ Other									
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs).									
WEAPON WILL NOT EJECT ROUNDS									
WEAPON SHIPPED WITH ATE DROP CASE									
UNIT TELEPHONE # (207) 989-7450 FCC AT THIS UNIT IS SER JARED SMITH									
B. REMARKS									
SECTION II - WORK ACCOMPLISHED									
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)		19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor			
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE					
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
					I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST		
						\$	\$		
21. DELAY (Select One)									
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools									
23. SUBMITTED BY <i>R. Burtman</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY	
JULIAN DATE 4214		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
28. DISPOSITION (Select One)									
☐ A To User ☐ D Evacuated ☒ B To Stock ☐ E Cannibalization ☐ C Salvaged									