

E6703428

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

Remington®

MODEL 700TH M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

Made in Illinois, U.S. Pat. & Inv. Off. Remington-Union Metallic Cartridge Co.

SERIAL NO.
E6703428

ORDER NO.
25716

27AV



ORDER
MODEL 700TH M24

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SERIAL NO.



MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444



ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703428



CONTRACT # DAAE20-01-C-0007

GUN SERIAL # E6703428

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		3/12/01	CK
600	PROOF		"	"
607	CHECK HEADSPACE		"	"
610	DIS-ASSEMBLE GUN		"	"
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT			
615	ROLLMARK CALIBER			
617	DRILL AND TAP SIGHT HOLES		3/15/01	DA
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		3/15/01	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		"	"
	C) INSPECT EJECTOR HOLE FOR CHAMFER		"	"
	D) OIL FIRING PIN ASSEMBLY		3/16/01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		"	CK

OP #	OPERATION NAME	READINGS			DATE	INITIAL
625	F) SAFETY ON FORCE	<u>4.0</u>	<u>4.5</u>	<u>4.0</u>	3/24/01	REP
CONT.	G) SAFETY OFF FORCE	<u>3.0</u>	<u>3.5</u>	<u>3.5</u>	3/24/01	REP
	H) TRIGGER PULL TEST AND RETAINABILITY					
	I) FIRING PIN INDENT	<u>.021</u>	<u>.023</u>	<u>.023</u>	3/24/01	REP
	J) ASSEMBLE STOCK					
	K) ASSEMBLE SWIVEL STUDS				3/24/01	REP
	L) ATTACH FRONT AND REAR SIGHT ASSY'S					
	M) IRON SIGHT ALIGNMENT					
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER					
640	GALLERY TEST AND TARGET				3/22	AC
	A) MALFUNCTIONS				3/22	AC
	B) PIERCED PRIMERS				3/22	AC
645	INSPECT FOR LIVE AMMO				3/22	AC
655	FINAL INSPECTION A) HEADSPACE				3/25/01	REP
	B) TRIGGER PULL	<u>2.79</u>	<u>2.95</u>	<u>2.66</u> <u>2.61</u> <u>2.56</u>	3/24/01	DA
	C) FUNCTION				3/25/01	REP
760	PACK				3/25/01	REP

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. E6703428

DATE 2-19-01

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.75		2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.85		2.51	
PULL #3	2.66	2.83		2.52	
PULL #4	2.70	2.75		2.46	
PULL #5	2.63	2.83		2.51	
TOTAL	1328	1401		1252	
AVG.	2.65	2.80		2.50	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.10		
PULL #2	3.13	3.33		
PULL #3	3.06	3.03		
PULL #4	3.24	3.05		
PULL #5	3.15	3.03		
TOTAL	1575	1554		
AVG.	3.15	3.10		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.09		4.01
PULL #2	4.15	4.07		4.02
PULL #3	4.13	4.08		3.97
PULL #4	4.15	4.09		4.00
PULL #5	4.14	4.11		4.04
TOTAL	2071	2044		2004
AVG.	4.14	4.08		4.00

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703428
23 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .073
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1072
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .129695

THE AMR FOR THIS RIFLE IS: 1.036

CENTROIDAL DISTANCES

0	TO	1	.179324
1	TO	2	.29852
1	TO	3	.272855
1	TO	4	.22102
1	TO	5	.0764853

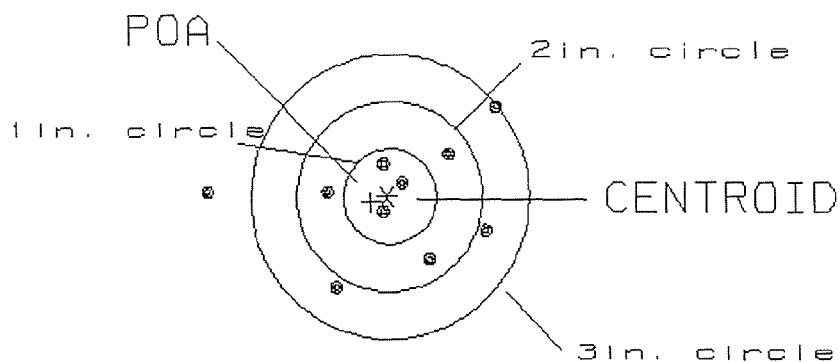
Ø
¼ 15 <-----POA

PATTERN #: 1
 POA TO CENTROID: .180
 MIN RADIUS : .171
 MEAN RADIUS : .851
 MAX RADIUS : 1.939
 CENTROID X : .171
 CENTROID Y : .054

23 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703420.1.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.11
 VS= 1.89
 GS= 3.25

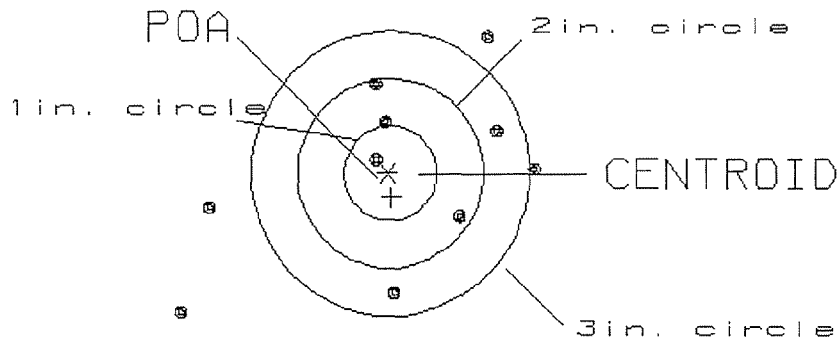
3
 6
 8

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .263
 MIN RADIUS : .203
 MEAN RADIUS : 1.298
 MAX RADIUS : 2.673
 CENTROID X : -.046
 CENTROID Y : .259

23 Mar 2001

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CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.77
 VS= 2.86
 GS= 4.36

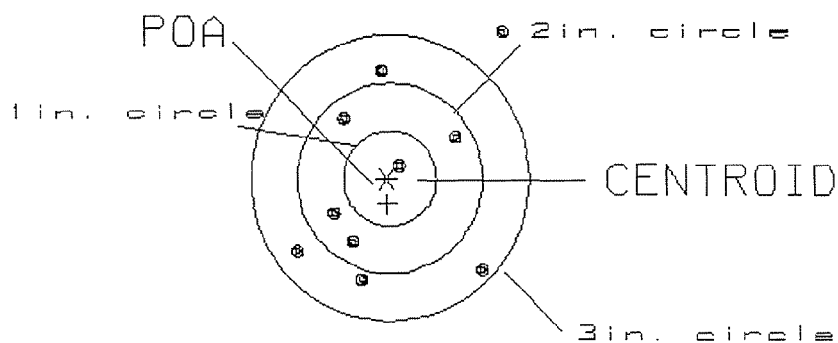
1
 4
 5

PATTERN #: 3
 POA TO CENTROID: .265
 MIN RADIUS : .159
 MEAN RADIUS : 1.006
 MAX RADIUS : 1.969
 CENTROID X : -.002
 CENTROID Y : .265

23 Mar 2001

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CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.20

1

VS= 2.56

5

GS= 3.21

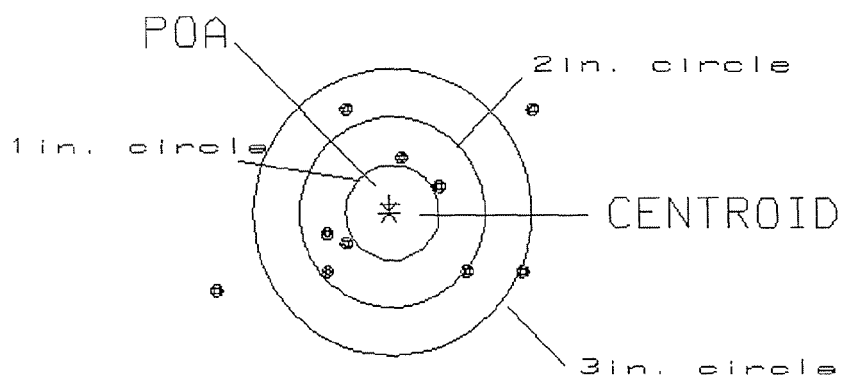
9

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .081
 MIN RADIUS : .525
 MEAN RADIUS : 1.102
 MAX RADIUS : 2.092
 CENTROID X : -.004
 CENTROID Y : -.081

23 Mar 2001

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CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.39

0

VS= 1.91

5

GS= 3.89

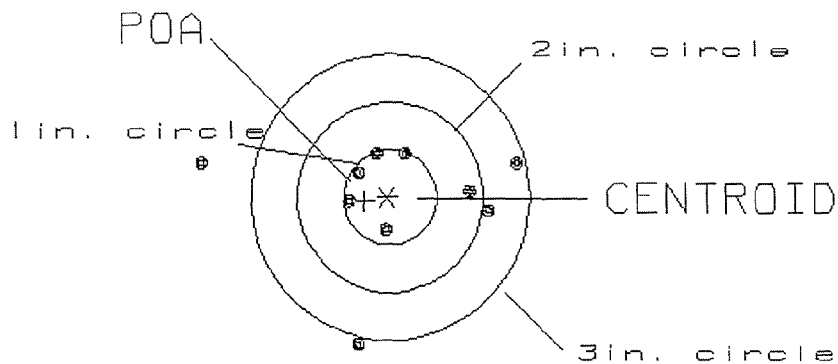
7

PATTERN #: 5
 POA TO CENTROID: .249
 MIN RADIUS : .361
 MEAN RADIUS : .924
 MAX RADIUS : 2.055
 CENTROID X : .246
 CENTROID Y : .039

23 Mar 2001

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CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.40

3

VS= 2.01

6

GS= 3.40

8

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e3703428
20 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .059
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1744
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18411

THE AMR FOR THIS RIFLE IS: 1.395

CENTROIDAL DISTANCES

Ø TO	1	.65307
1 TO	2	.628033
1 TO	3	.738006
1 TO	4	.658146
1 TO	5	.682374

1

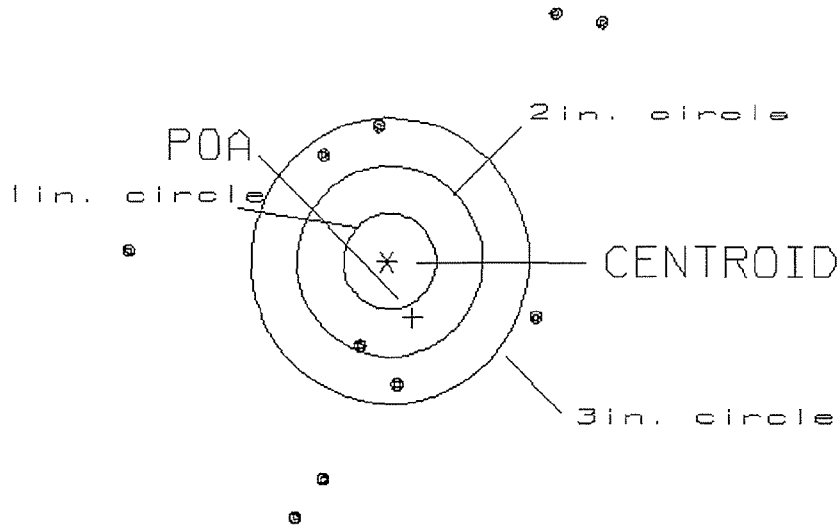
⁴
253 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .653
 MIN RADIUS : .929
 MEAN RADIUS : 2.127
 MAX RADIUS : 3.337
 CENTROID X : -.280
 CENTROID Y : .590

20 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703428.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 5.09
 VS= 5.28
 GS= 6.09

0
 1
 4

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .048

MIN RADIUS : .197

MEAN RADIUS : .952

MAX RADIUS : 1.862

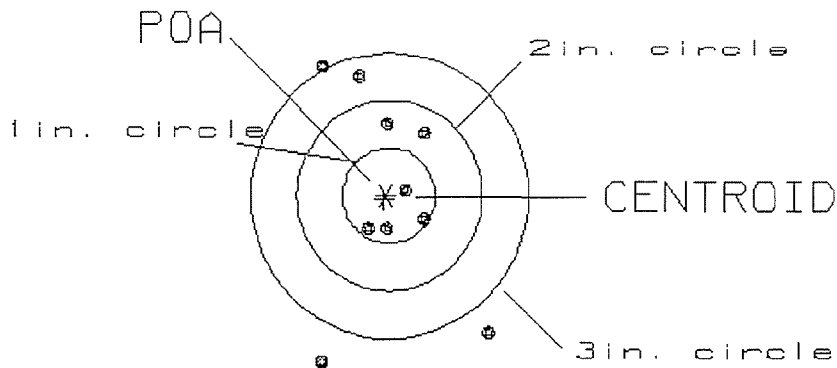
CENTROID X : .025

CENTROID Y : .041

20 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703428.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.79

4

VS= 3.13

6

GS= 3.37

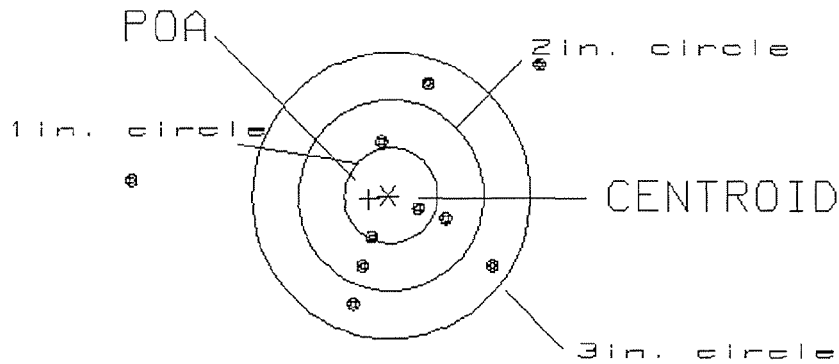
7

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .206
 MIN RADIUS : .326
 MEAN RADIUS : 1.161
 MAX RADIUS : 2.839
 CENTROID X : .203
 CENTROID Y : .032

20 Mar 2001

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CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.42
 VS= 2.57
 GS= 4.58

2
 5
 3

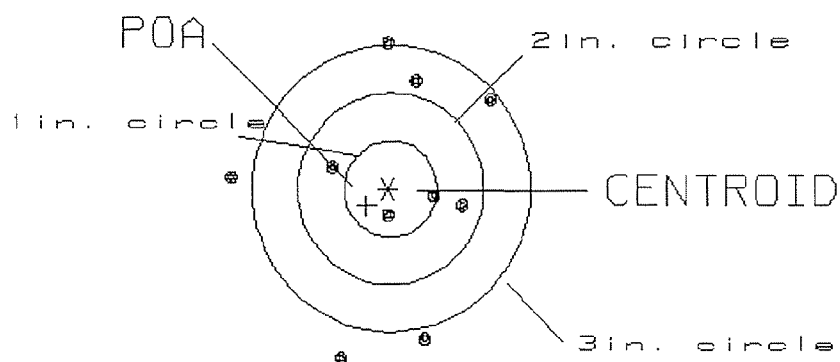
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .288
 MIN RADIUS : .303
 MEAN RADIUS : 1.141
 MAX RADIUS : 1.878
 CENTROID X : .230
 CENTROID Y : .174

20 Mar 2001

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CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.80
 VS= 3.32
 GS= 3.35

2
 4
 6

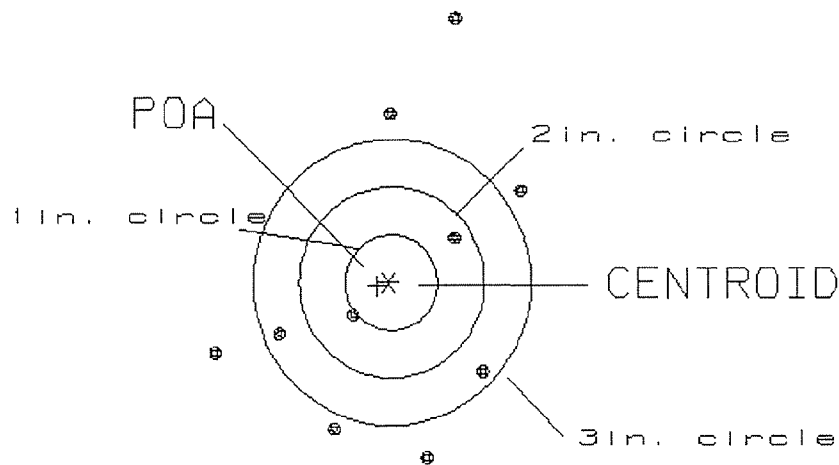
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .122
 MIN RADIUS : .551
 MEAN RADIUS : 1.596
 MAX RADIUS : 2.799
 CENTROID X : .117
 CENTROID Y : .035

20 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703420.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.33
 VS= 4.56
 GS= 4.57

0
 2
 4