

C6648924

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

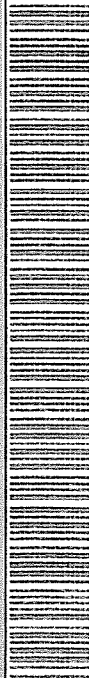
MODEL 700TM H24

SERIAL NO.
C6648924

ORDER NO.
5716

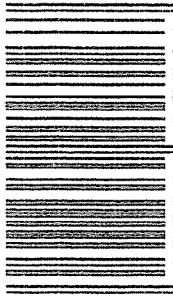
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.



5716 C6648924

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648924

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1		Rw
600	Proof	7 2 9 1		Rw
607	Check Headspace	7 2 9 1		Rw
610	Dis-assemble Gun	7 2 9 1		Rw
612	Magnaflux Barrel Action		JUL 22 1991	JS
	Magnaflux Bolt		JUL 22 1991	JS
615	Rollmark Caliber		JUL 22 1991	JS
617	Drill and Tap Sight Holes		JUL 22 1991	EB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		7-2-91	JS
	Apply Coating (Bolt)		7-2-91	JS
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8-12-91	JS

op. #	BARBER - M24 0033389 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6	6	6	8-12-91	AC
	G) Safety Off Force	3	3	3	3	3	8-12-91	AC
	H) Trigger Pull Test & Retainability						8-12-91	AC
	I) Firing Pin Indent	.0215	.0215	.0215	.0215	.0215	8-12-91	AC
	J) Assemble Stock						8/12/91	AC
	K) Assemble Swivel Studs						8-14-91	DH
	L) Attach Front and Rear Sight Assemblies						8/12/91	AC
	M) Iron Sight Alignment						8/12/91	AC
	N) Detach Front & Rear Sights & place in numbered container						8/12/91	AC
	O) Attach Scope to Rifle						8/12/91	AC
	P) Detach & Attach Scope 20 Times						8/12/91	AC
640	Gallery Target & Test						8-13-91	AC
	A) Time						8-13-91	AC
	B) Malfunctions						8-13-91	AC
	C) Pierced Primers						8-13-91	AC
	D) Optical Clarity of Scope						8-13-91	AC
645	Inspect for Live Ammo						8-13-91	AC
655	Final Inspection						8-14-91	DH
	A) Headspace						8-14-91	DH
	B) Trigger Pull	2.20	2.24	2.20	2.15	2.18	8-14-91	AC
	C) Function						8-14-91	DH
660	Pack						9-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN

INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6648724DATE 8-12-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	<u>2.58</u>	<u>2.31</u>	<u>2.38</u>	<u>2.20</u>	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	<u>2.24</u>	<u>2.36</u>	<u>2.30</u>	<u>2.24</u>	
PULL #3	<u>2.35</u>	<u>2.28</u>	<u>2.37</u>	<u>2.20</u>	
PULL #4	<u>2.29</u>	<u>2.36</u>	<u>2.39</u>	<u>2.15</u>	
PULL #5	<u>2.25</u>	<u>2.33</u>	<u>2.30</u>	<u>2.18</u>	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	<u>3.31</u>	<u>3.43</u>		
PULL #2	<u>3.37</u>	<u>3.37</u>		
PULL #3	<u>3.28</u>	<u>3.44</u>		
PULL #4	<u>3.34</u>	<u>3.38</u>		
PULL #5	<u>3.46</u>	<u>3.34</u>		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	<u>4.15</u>	<u>4.34</u>		<u>4.14</u>
PULL #2	<u>4.42</u>	<u>4.39</u>		<u>4.26</u>
PULL #3	<u>4.42</u>	<u>4.33</u>		<u>4.18</u>
PULL #4	<u>4.36</u>	<u>4.23</u>		<u>4.26</u>
PULL #5	<u>4.41</u>	<u>4.34</u>		<u>4.24</u>
TOTAL				
AVG.				

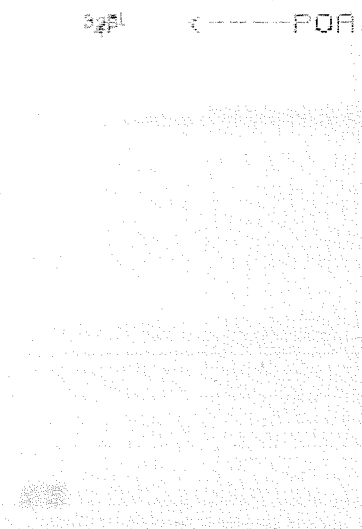
DISTANCE CALCULATIONS

RIFLE # 06648924

DATE 1991

FOIDAL DISTANCES

TO	1	.274847
TO	2	.381505
TO	3	.607317
TO	4	.474805
TO	5	.148192


 Sep1 <----FOA

HORIZONTAL COORDINATE FOR THIS RIFLE IS: -.0512

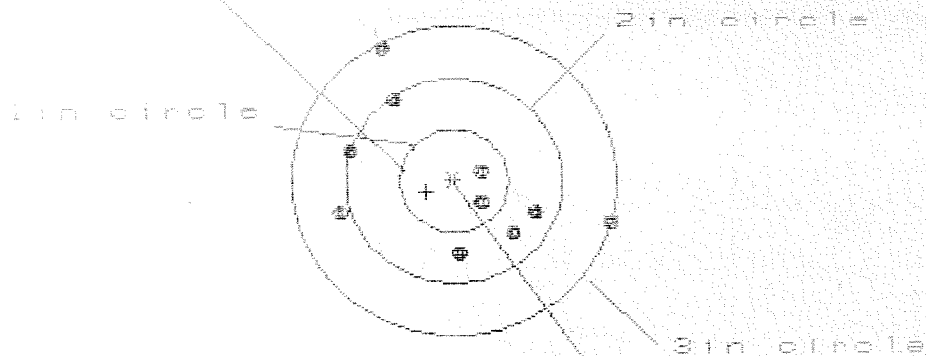
VERTICAL COORDINATE FOR THIS RIFLE IS: .018

AVERAGE FOI RADIUS FOR THIS RIFLE IS: .0542719

FOI RADIUS FOR THIS RIFLE IS: .9018

FILE:/PATTERNING/CENTERFIRE_PATT/C6648924

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

ME = 2.511

VS = 2.074

GS = 2.731

CENTROID *

PATTERN #

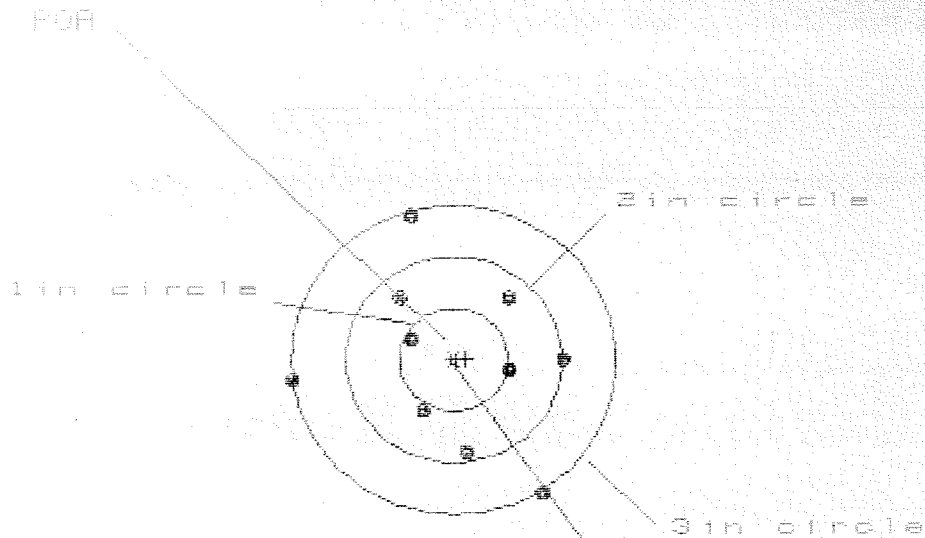
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SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.415	1.338	.879
MINIMUM X	-1.096	-1.173	-1.006
MAXIMUM Y	1.322	.895	.862
MINIMUM Y	-.752	-.605	-.638
CENTROID X	.254	.331	.164
CENTROID Y	.105	-.042	-.009
POA TO CENTROID in.	.275	.334	.164
MIN RADIUS	.225	.215	.358
MEAN RADIUS	.889	.798	.744
MAX RADIUS	1.494	1.363	1.029
HORIZONTAL SPREAD	2.511	2.511	1.885
VERTICAL SPREAD	2.074	1.500	1.500
EXTREME SPREAD	2.731	2.512	1.886
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	10	10	10

9.3.1931

FILE:/PATTERNING/CENTERFIRE_PATT/C664B924

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.506

VS= 2.731

GS= 3.008

CENTROID *

PATTERN #

2

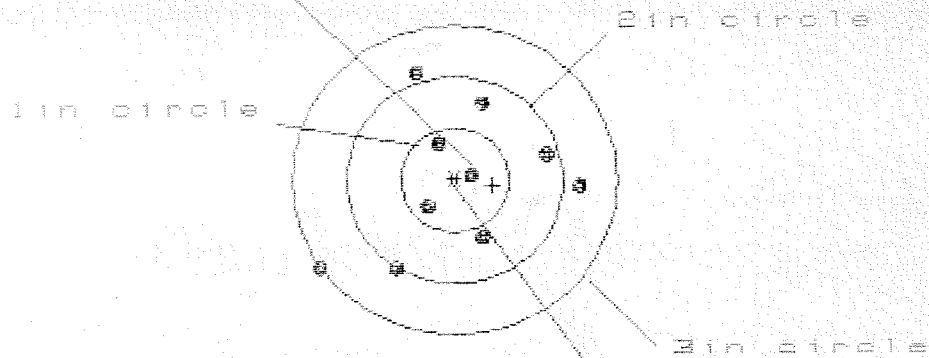
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.060	1.155	1.116
MINIMUM X	-1.446	-1.351	-1.398
MAXIMUM Y	1.450	1.308	.676
MINIMUM Y	-1.291	-1.058	-.895
CENTROID X	-.111	-.206	-.167
CENTROID Y	-.006	.136	-.027
POA TO CENTROID in.	.111	.247	.169
MIN RADIUS	.446	.297	.414
MEAN RADIUS	.969	.894	.829
MAX RADIUS	1.539	1.392	1.401
HORIZONTAL SPREAD	2.506	2.506	2.506
VERTICAL SPREAD	2.731	2.366	1.571
EXTREME SPREAD	3.008	2.511	2.511
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

22 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6648324

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HE= 2.313

VS= 1.960

GS= 2.453

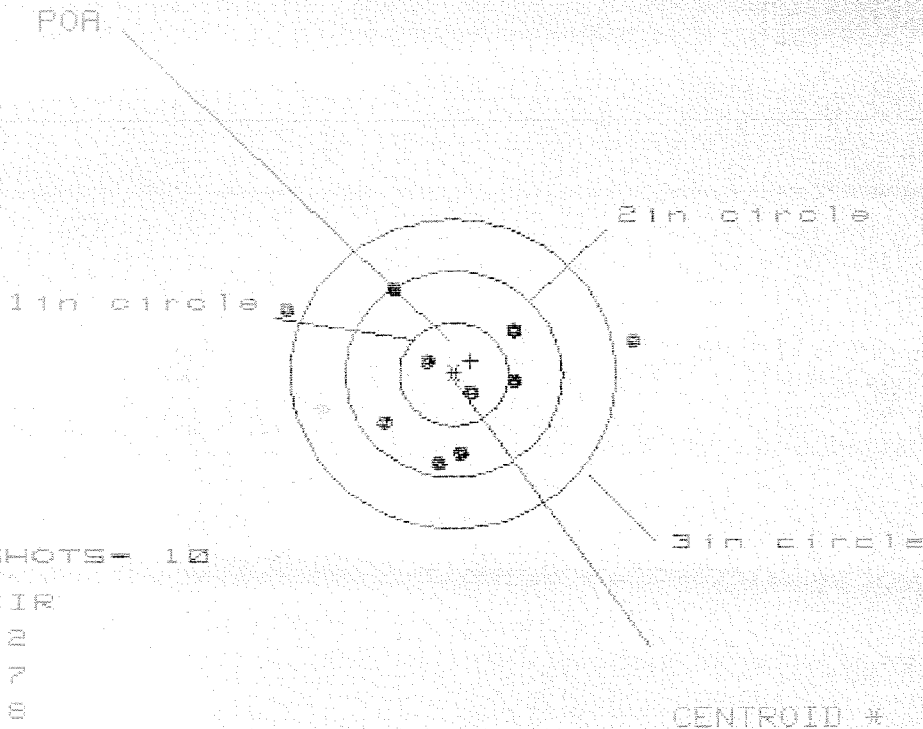
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.109	.975	.919
MINIMUM X	-1.204	-.666	-.722
MAXIMUM Y	1.067	.970	.813
MINIMUM Y	-.893	-.990	-.869
CENTROID X	-.351	-.217	-.161
CENTROID Y	.052	.149	.020
POA TO CENTROID in.	.355	.264	.164
MIN RADIUS	.174	.019	.118
MEAN RADIUS	.792	.692	.652
MAX RADIUS	1.489	1.193	1.130
HORIZONTAL SPREAD	2.313	1.641	1.641
VERTICAL SPREAD	1.960	1.960	1.582
EXTREME SPREAD	2.453	1.972	1.841
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 3.144

VS= 1.682

GS= 3.159

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.643

.789

.624

MINIMUM X

-1.501

-1.318

-.591

MAXIMUM Y

.858

.892

.972

MINIMUM Y

-.824

-.798

-.710

CENTROID X

-.158

-.341

-.176

CENTROID Y

-.131

-.165

-.245

POA TO CENTROID in.

.205

.378

.382

MIN RADIUS

.199

.145

.141

MEAN RADIUS

.848

.750

.631

MAX RADIUS

1.670

1.468

1.094

HORIZONTAL SPREAD

3.144

2.107

1.215

VERTICAL SPREAD

1.682

1.682

1.682

EXTREME SPREAD

3.159

2.227

1.734

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B924

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 5

HS= 2.607

VS= 2.026

GS= 2.617

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.550

1.075

1.185

MINIMUM X

-1.057

-.884

-.773

MAXIMUM Y

.784

.804

.652

MINIMUM Y

-1.242

-1.222

-.803

CENTROID X

.110

-.063

-.173

CENTROID Y

.070

.050

.202

POA TO CENTROID in.

.130

.080

.256

MIN RADIUS

.380

.442

.387

MEAN RADIUS

1.011

.938

.838

MAX RADIUS

1.562

1.509

1.353

HORIZONTAL SPREAD

2.607

1.959

1.959

VERTICAL SPREAD

2.026

2.026

1.455

EXTREME SPREAD

2.617

2.400

2.175

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

9