

C6636130

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington[®]

MODEL 700TM H24

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

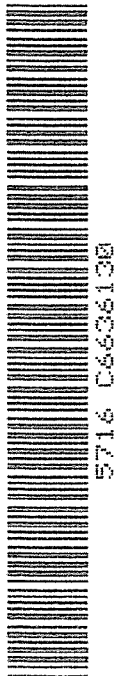
DU PONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6636130

ORDER NO.
5716

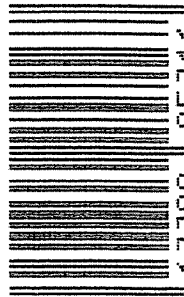
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636130

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636130

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KA
600	Proof		6/27/91	KA
607	Check Headspace		6/27/91	KA
610	Dis-assemble Gun		6/27/91	KA
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	KR
617	Drill and Tap Sight Holes		JUL 2 1991	FB
618	Polish Barrel		JUL 17 1991	WB
620	Apply Coatings (Barrel Action)		8-6-91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/91	KA
	C) Inspect Ejector Hole for Chamfer		8/15/91	KA
	D) Oil Firing Pin Ass'y		8/15/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8/19/91	JL

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4	4			8/19/91	DH
	G) Safety Off Force	3	2 1/2	2 3/4			8/19/91	DH
	H) Trigger Pull Test & Retainability						8/19/91	KL
	I) Firing Pin Indent	.020	.020	.020			8-19-91	D/H
	J) Assemble Stock						8/21/91	KL
	K) Assemble Swivel Studs						8-27-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/21/91	KL
	M) Iron Sight Alignment						8/21/91	KL
	N) Detach Front & Rear Sights & place in numbered container						8/21/91	KL
	O) Attach Scope to Rifle						8/21/91	KL
	P) Detach & Attach Scope 20 Times						8/21/91	KL
640	Gallery Target & Test						8/21/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/21/91	KT
655	Final Inspection							
	A) Headspace						8-27-91	D/H
	B) Trigger Pull	236	229	237	227	238	8-27-91	DH
	C) Function						8-27-91	D/H
660	Pack						9/17/91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C16636130

DATE 8/19/91

TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.35	2.38	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.48	2.44	2.29	
PULL #3	2.62	2.52	2.40	2.37	
PULL #4	2.64	2.48	2.20	2.27	
PULL #5	2.50	2.25	2.48	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.69	3.60		
PULL #2	3.66	3.20		
PULL #3	3.40	3.60		
PULL #4	3.48	3.65		
PULL #5	3.58	3.60		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.45		4.67
PULL #2	4.40	4.57		4.45
PULL #3	4.35	4.66		4.60
PULL #4	4.43	4.55		4.48
PULL #5	4.21	4.33		4.61
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636130
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.0528015
1 TO	2	.184765
1 TO	3	.315546
1 TO	4	.28028
1 TO	5	.037108

4 <----FOR

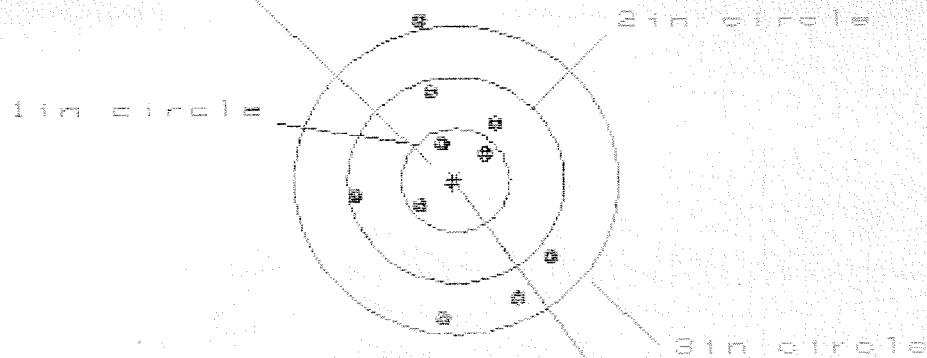
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1226
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0036
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .122653
THE AMR FOR THIS RIFLE IS: .9666

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C853B130

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.866

VS= 2.881

GS= 2.884

CENTROID #

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.915	.883	.859
MINIMUM X	-.951	-.983	-1.006
MAXIMUM Y	1.561	1.003	.860
MINIMUM Y	-1.320	-1.147	-1.036
CENTROID X	.032	.064	.087
CENTROID Y	.042	-.131	.012
POA TO CENTROID in.	.053	.146	.000
MIN RADIUS	.374	.356	.391
MEAN RADIUS	.898	.835	.764
MAX RADIUS	1.587	1.162	1.210
HORIZONTAL SPREAD	1.866	1.866	1.866
VERTICAL SPREAD	2.881	2.150	1.956
EXTREME SPREAD	2.884	2.151	2.110
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C663B130

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.999

VS= 2.634

GS= 3.032

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.028	.898	.853
MINIMUM X	-.971	-.857	-.902
MAXIMUM Y	1.535	1.250	1.133
MINIMUM Y	-1.099	-.928	-.482
CENTROID X	.195	.081	.126
CENTROID Y	-.045	-.216	-.099
POA TO CENTROID in.	.200	.230	.161
MIN RADIUS	.281	.129	.225
MEAN RADIUS	.878	.731	.708
MAX RADIUS	1.847	1.313	1.189
HORIZONTAL SPREAD	1.999	1.755	1.755
VERTICAL SPREAD	2.634	2.178	1.616
EXTREME SPREAD	3.032	2.308	1.910
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636130

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.166

VS= 2.500

GS= 3.252

PATTERN #	#	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	.964	.978
MINIMUM X	:	-1.026	-.899	-.885
MAXIMUM Y	:	1.534	1.653	.931
MINIMUM Y	:	-.966	-.795	-.588
CENTROID X	:	.072	-.055	-.069
CENTROID Y	:	-.271	-.442	-.649
POA TO CENTROID in.	:	.281	.445	.652
MIN RADIUS	:	.465	.253	.154
MEAN RADIUS	:	1.038	.883	.721
MAX RADIUS	:	1.912	1.657	1.180
HORIZONTAL SPREAD	:	2.166	1.863	1.863
VERTICAL SPREAD	:	2.500	2.448	1.519
EXTREME SPREAD	:	3.252	2.502	2.190
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C663B130

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 9

HS= 2.349

VS= 3.407

GS= 3.429

CENTROID #

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X : 1.426 1.399 .989

MINIMUM X : -.923 -.950 -.775

MAXIMUM Y : 2.035 1.364 1.336

MINIMUM Y : -1.372 -1.146 -1.174

CENTROID X : .246 .273 .098

CENTROID Y : .223 -.003 .025

POA TO CENTROID in. : .332 .273 .101

MIN RADIUS : .070 .167 .141

MEAN RADIUS : 1.076 .957 .871

MAX RADIUS : 2.049 1.586 1.663

HORIZONTAL SPREAD : 2.349 2.349 1.764

VERTICAL SPREAD : 3.407 2.510 2.510

EXTREME SPREAD : 3.429 2.791 2.791

NUMBER IN ONE INCH CIRCLE = 3

NUMBER IN TWO INCH CIRCLE = 4

NUMBER IN THREE INCH CIRCLE = 9

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6538130

CENTERFIRE PATTERNS

3

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.481

VS= 2.012

GS= 3.120

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X : 1.295 1.436 1.305

MINIMUM X : -1.186 -1.045 -1.048

MAXIMUM Y : 1.198 .670 .595

MINIMUM Y : -.814 -.681 -.756

CENTROID X : .068 -.073 .056

CENTROID Y : .033 -.100 -.025

POR TO CENTROID in. : .075 .134 .060

MIN RADIUS : .091 .134 .032

MEAN RADIUS : .943 .855 .795

MAX RADIUS : 1.743 1.465 1.357

HORIZONTAL SPREAD : 2.481 2.481 2.453

VERTICAL SPREAD : 2.012 1.351 1.351

EXTREME SPREAD : 3.120 2.500 2.496

NUMBER IN ONE INCH CIRCLE = 2

NUMBER IN TWO INCH CIRCLE = 5

NUMBER IN THREE INCH CIRCLE = 9