

C6636261

MODEL 706™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington




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

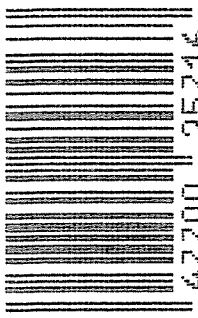
MODEL 700™ H24

SERIAL NO.
C6636261

ORDER NO.
5716

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

LPC



0 47700 25716 7



5716 C6636261

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636261

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KH
600	Proof		6/25/91	KH
607	Check Headspace		6/25/91	KH
610	Dis-assemble Gun		6/25/91	KH
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	JS
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-30-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-30-91	DH
	G) Safety Off Force	3 1/2	4	3			7-30-91	DH
	H) Trigger Pull Test & Retainability						7-30-91	JS
	I) Firing Pin Indent	.021	.022	.022			7-30-91	DH
	J) Assemble Stock						7/30/91	KS
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/30/91	KS
	M) Iron Sight Alignment						7/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/30/91	KS
	O) Attach Scope to Rifle						7/30/91	KS
	P) Detach & Attach Scope 20 Times						7/30/91	KS
640	Gallery Target & Test						7-30-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						7-30-91	AF
655	Final Inspection							
	A) Headspace						8-5-91	AC
	B) Trigger Pull	2.59	2.63	2.57	2.57	2.46	8-5-91	JS
	C) Function						8-5-91	AC
660	Pack						9-18-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6636261

DATE 7-30-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.56	2.55	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.61	2.50	2.63	
PULL #3	2.23	2.50	2.48	2.57	
PULL #4	2.53	2.51	2.50	2.57	
PULL #5	2.53	2.59	2.66	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.33		
PULL #2	3.38	3.38		
PULL #3	3.35	3.35		
PULL #4	3.32	3.21		
PULL #5	3.35	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.32		4.20
PULL #2	4.33	4.35		4.53
PULL #3	4.28	4.25		4.46
PULL #4	4.25	4.46		4.33
PULL #5	4.26	4.59		4.59
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636261
30 Jul 1991

CENTROIDAL DISTANCES

0	0	1	.0653682
1	70	2	.0575674
1	70	3	.101533
1	70	4	.0722011
1	70	5	.200562

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0222
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0166
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .02772

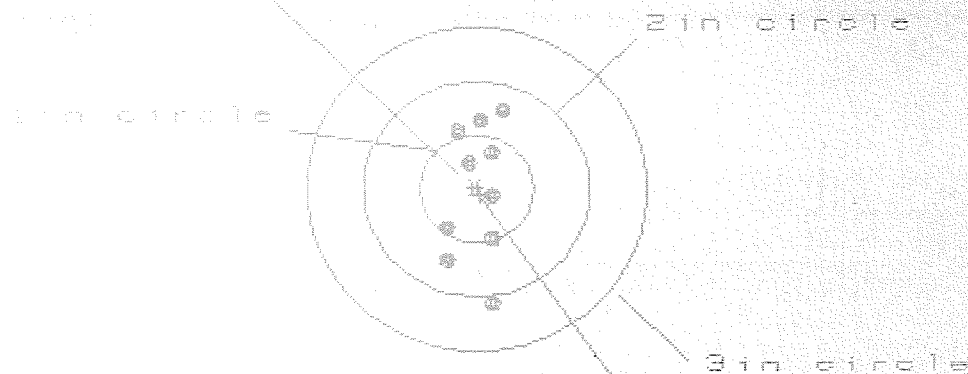
THE AMR FOR THIS RIFLE IS: .911

14 JUL 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8636261

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= .512

VS= 1.841

GS= 1.845

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.230	.242	.189
MINIMUM X	:	-.283	-.271	-.241
MAXIMUM Y	:	.782	.664	.561
MINIMUM Y	:	-1.059	-.757	-.674
CENTROID X	:	-.032	-.044	-.074
CENTROID Y	:	.057	.175	.092
POA TO CENTROID in.:	:	.066	.180	.118
MIN RADIUS	:	.143	.146	.196
MEAN RADIUS	:	.537	.461	.435
MAX RADIUS	:	1.065	.884	.716
HORIZONTAL SPREAD	:	.513	.513	.430
VERTICAL SPREAD	:	1.841	1.421	1.235
EXTREME SPREAD	:	1.845	1.511	1.276
NUMBER IN ONE INCH CIRCLE	=	5	5	5
NUMBER IN TWO INCH CIRCLE	=	9	9	9
NUMBER IN THREE INCH CIRCLE	=	10	10	10

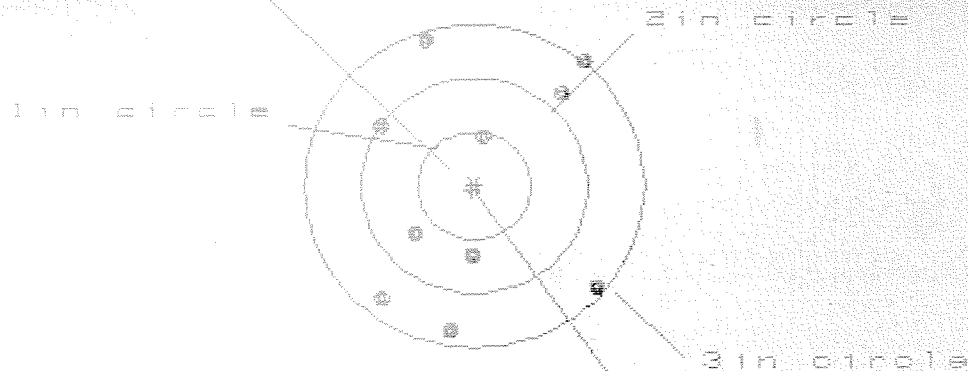
10 Jul 1991

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CENTERFIRE PATTERNS

2

FOR



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 1.9339

VS= 2.7099

GS= 2.9004

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

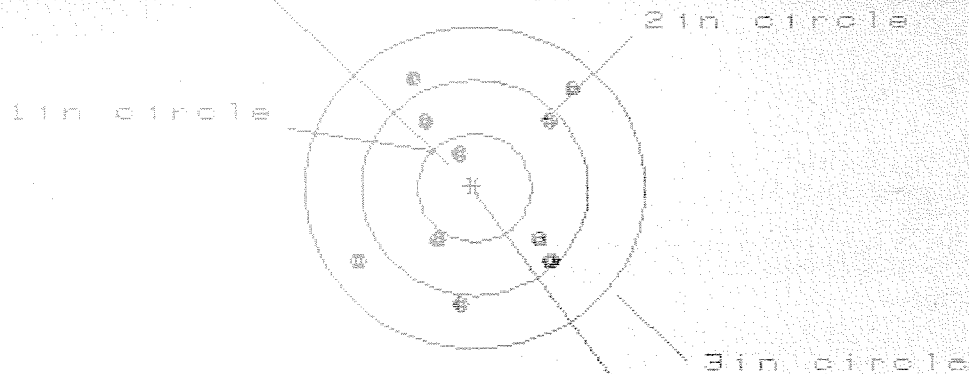
	10	9	8
MAXIMUM X	1.096	1.206	1.012
MINIMUM X	-1.843	-1.733	-1.583
MAXIMUM Y	1.386	1.519	1.414
MINIMUM Y	-1.323	-1.190	-1.295
CENTROID X	.023	-.087	-.237
CENTROID Y	.040	-.093	.012
FOR TO CENTROID in.	.046	.127	.238
MIN RADIUS	.445	.539	.516
MEAN RADIUS	1.121	1.053	.990
MAX RADIUS	1.552	1.559	1.429
HORIZONTAL SPREAD	1.939	1.939	1.595
VERTICAL SPREAD	2.709	2.709	2.709
EXTREME SPREAD	2.904	2.826	2.720
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.916

VS= 2.052

GS= 2.483

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.846	.727	.638
MINIMUM X	:	-1.070	-.655	-.565
MAXIMUM Y	:	.974	.895	.995
MINIMUM Y	:	-1.078	-1.157	-1.057
CENTROID X	:	.033	.152	.061
CENTROID Y	:	-.021	.058	-.042
POA TO CENTROID in.	:	.039	.163	.074
MIN RADIUS	:	.386	.374	.415
MEAN RADIUS	:	.907	.856	.822
MAX RADIUS	:	1.282	1.188	1.144
HORIZONTAL SPREAD	:	1.916	1.382	1.203
VERTICAL SPREAD	:	2.052	2.052	2.052
EXTREME SPREAD	:	2.483	2.193	2.087
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

4

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 3.092

VS= 1.582

GS= 3.096

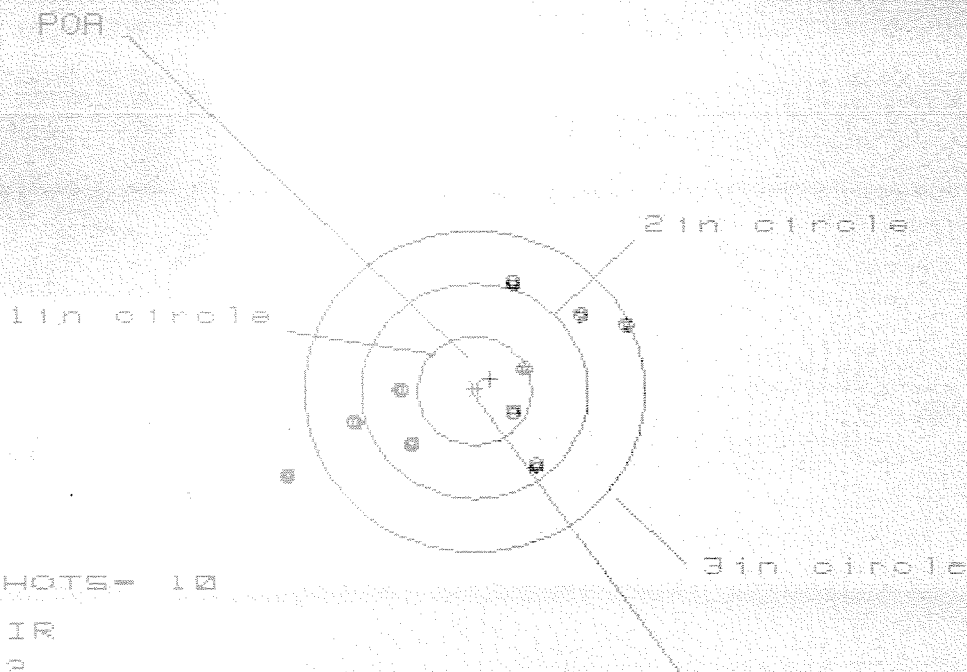
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.384	1.194	1.250
MINIMUM X	-1.708	-1.437	-1.287
MAXIMUM Y	.751	.747	.762
MINIMUM Y	-.831	-.835	-.820
CENTROID X	.005	.195	.045
CENTROID Y	.119	.123	.108
POB TO CENTROID in.	.119	.230	.117
MIN RADIUS	.487	.571	.529
MEAN RADIUS	1.028	.939	.898
MAX RADIUS	1.708	1.471	1.329
HORIZONTAL SPREAD	3.092	2.631	2.537
VERTICAL SPREAD	1.582	1.582	1.582
EXTREME SPREAD	3.096	2.638	2.540
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =			9

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in - 9

HS- 2.948

VS- 1.725

GS- 3.233

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.303	1.120	.869
MINIMUM X	-1.645	-1.231	-1.091
MAXIMUM Y	.977	.894	.956
MINIMUM Y	-.748	-.796	-.734
CENTROID X	-.140	.043	-.097
CENTROID Y	-.112	-.029	-.091
POA TO CENTROID in.	.179	.051	.133
MIN RADIUS	.423	.241	.394
MEAN RADIUS	.962	.842	.796
MAX RADIUS	1.807	1.279	1.128
HORIZONTAL SPREAD	2.948	2.351	1.959
VERTICAL SPREAD	1.725	1.690	1.690
EXTREME SPREAD	3.233	2.499	2.174
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	