Subject to Protective Order: Williams v. Remington

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Summary		
	Total Test + Proof Failures	22969
	Total Rejected:	1164
	Overall Reject Rate:	5.07

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
Proof	Shot:	1575	1275	1305	329		45	550	222	9287
	Rejected:	0	0	1	0	0	0	0	0	2
	Percent:	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0
Test	Shot:	1892	1226	1280	246		67	637	162	9227
	Rejected:	710	147	69	13	0	10	30	53	42
	Percent:	37.5	12.0	5.4	5.3		14.9	4.7	32.7	0.5
Target	Shot:		25	25	10		226			3
	Rejected:	0	0	0	0	0	0	0	0	0
	Percent:		0.0	0.0	0.0		0.0			0.0

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
AB	Action binds	7		9						7
ASFB	Action spring follower binds									
BABS	Bulge at body shoulder									
BAC	Burr at chamber									
BB	Bolt binds/catches									
BCOE	Bolt catches on ejector									
BC	Blows cases									
BLOP	Bar lock or disconnector out of position	1								3
BSCO	Barrel support came out									
CBS-F	Shells catch on bbl support-feeding									
CBS-L	Shells catch on bbl support-loading									
CC	Carrier catches on shells,mag,receiver	18	1	1						2
CD	Case dented									
CH	Closes hard									
CHAB	Carrier hits action bar									
CLM	Can't laod magazine		1							1
CO	Cut-off									
CR	Cuts rim									
CS	Cases swell									

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
CTOG	Chamber torn or gouged									
CTP	Creepy trigger pull									
CWSB	Cams wrong side of action bar									
DBB	Doesn't blow back	30	3	14	3		1	1	9	
DCS	Double click in safety switch									
DCT	Double click in trigger									
DCU	Doesn't close up	1	1							
DE	Doesn't eject	17	2		1			1	1	
DEL	Doesn't eject live round									
DFU	Doesn't feed up	72	3	3					3	
DLO	Doesn't lock open (after last shell)	12			1			2		
DLU	Doesn't lock-up	2	2					1		
DS	Dead safe									
DSM	Drops shell-magazine	14	2							
DTL	Doesn't trip latch	16	4	3					1	
DX	Doesn't extract	3								
DXL	Doesn't extract live round									
EDS	Extractor drops shell	2						5	8	
ESB	Ejector sticks back									
ESS	Extractor stems shell									
FA	Fires automatically									
FB	Follower binds									1
FC	Fails to connect									
FCB	Fore-end cracked or broken									
FD	Follows-down									
FF	Fails to fire	1								1
FFM	Fails to feed from magazine	50	7	2			5		1	3
FFP	Flat firing pin									
FOS	Fires on safe									
FSR	Fires when safe is released									

ILE0007445

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
GCSO	Gas cyl shot off	1								
GRSO	Guide ring shot off									2
HPA	High pressure ammo									
HUE	Hard under extractor	13	2	2				3		2
ILOP	Int. latch out of position	1							1	
ILRM	Int. latch ret. Missing		4							
ILSB	Int. latch stud broken									
ILSP	Int. latch spring out of position									
JL	Jumps latch	103	76	1	3			1	1	
JO	Jars off									
LB	Light blow		1							
MCSO	Magazine cap shot off									
MCW	Magazine capacity wrong	6		1						
MFA	Misfires (ammo)									
MFOP	Magazine follower out of position									
MLH	Magazine loads hard	5		6	1			1		4
OH	Opens hard									
PH	Pulls hard									
PSI	Proof stamp illegible									
PSM	Proof stamp missing									
RBOC	Rings and bulges on case									
RDW	(Action) release doesn't work	8	3	4	1		2			1
RIC	Rings in chamber									
SBC	Stems bottom chambers	230	2	2	3			6	3	
SBCL	Shell binds carrier latch									
SBE	Stems bbl extension									
SCB	Stock cracked or broken									9
SCX	Shell catches									
SHI	Short indent									
SIC	Stems in chamber	2	3							

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
SL	shaves lead									
SLC	Stems left side of chamber	65		1					13	
SMOC	Stretch marks on case									
SRC	Stems right side of chamber	3		1				6	8	
SRIC	Specific rings in chamber	2								
SSC	shell stems carrier	10								
STC	Stems top chamber	10	29	19			2	3	4	6
SWE	Safety switch works too easily									
SWH	Safety switch works too hard									
SWW	Safety ewitxh won't work									
TD	Tips down									
TU	Tips up									
TWP	Trigger won't pull									
TWR	Trigger won't retract									
UNCN-T	Uncoded	4	1							
XH	Extracts hard									
XHB	Extractor hits bbl									
HI	High									
LO	Low									
LEFT	Left									
RIGHT	Right									
DG	Doesn't Group									
FSST	Front sight tipped									
RSTT	Rear sight tipped									
RSBR	Rear sight base raised									
FSTR	Front sight raised									
FSTL	Front sight loose									
RSTL	Rear sight loose									
MGPT-G	Missing parts at target									

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga
UNCN-G	Uncoded nonconformity at target									
AI-P	Assembly incompleye at proof									
BC-P	Blows cases at proof									
BEB-P	Barrel extension broken at proof									
BLP-P	Blanked primer at proof									
BP-P	Blown primer at proof									
BS-P	Barrel split at proof									
DLOS-P	Doesn't lock over shells at proof									
ESB-P	Ejector sticks back at proof									
FCB-P	Fore-end cracked at proof									
FESO-P	Fore-end shot off at proof									
FF-P	Fails to fire at proof			1						2
GCSO-P	Gas cylinder shot off at proof									
GRSO-P	Guide ring shot off at proof									
MCSO-P	Magazine cap shot off at proof									
MSI-P	Magnaflux stamp illegible on bbl									
MSM-P	Magnaflux stamp missing on bbl									
PP-P	Pierced primer at proof									
SCB-P	Stock cracked or broken at proof									
UNCM-P	Uncoded proof malfunctions									

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Month:							total	Auto Total	Pump Total
113	4230		2604		1522	11	23068	5301	16234
0	1	0	9	0	0	0	13	1	12
0.0	0.0		0.3		0.0	0.0	**0.056**	**0.019**	**0.074**
113	4151		2599		1356		22956	5510	16090
0	4	0	10	0	4	0	1092	1032	56
0.0	0.1		0.4		0.3		**4.76**	**18.73**	**0.35**
					728	57	1074	286	3
0	0	0	0	0	59	0	59	0	0
					8.1	0.0	**5.49**	**0.00**	**0.00**

870 16Ga	870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U	total	Auto Total	Pump Total
	2		2		1		28	16	11
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							4	1	3
							0	0	0
							0	0	0
							0	0	0
							22	20	2
							0	0	0
							0	0	0
							0	0	0
							2	1	1
							0	0	0
							0	0	0
							0	0	0

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870 16Ga	870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U	total	Auto Total	Pump Total
							0	0	0
							0	0	0
							0	0	0
							61	61	0
							0	0	0
							0	0	0
							2	2	0
							22	22	0
							0	0	0
							81	81	0
							15	15	0
							5	5	0
							0	0	0
					1		17	16	0
							24	24	0
	1						4	3	1
							0	0	0
			5				20	15	5
							0	0	0
							0	0	0
							0	0	0
			2				3	0	3
							0	0	0
							0	0	0
							0	0	0
							2	1	1
					1		69	65	3
							0	0	0
							0	0	0
							0	0	0

ILE0007446

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870 16Ga	870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U	total	Auto Total	Pump Total
							1	1	0
	1						3	0	3
							0	0	0
							22	20	2
							2	2	0
							4	4	0
							0	0	0
							0	0	0
							185	185	0
							0	0	0
							1	1	0
							1	1	0
					1		8	7	0
							0	0	0
							0	0	0
							17	13	4
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							19	18	1
							0	0	0
							246	246	0
								0	0
							0	0	0
			1				10	0	10
							0	0	0
							0	0	0
							5	5	0

ILE00074461

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870 16Ga	870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U	total	Auto Total	Pump Total
							0	0	0
							79	79	0
							0	0	0
							18	18	0
							2	2	0
							10	10	0
							73	67	6
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							5	5	0
							0	0	0
							0	0	0
									0
					46		46	0	0
					8		8	0	0
							0	0	0
					3		3	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
					1		1	0	0
							0	0	0
					1		1	0	0

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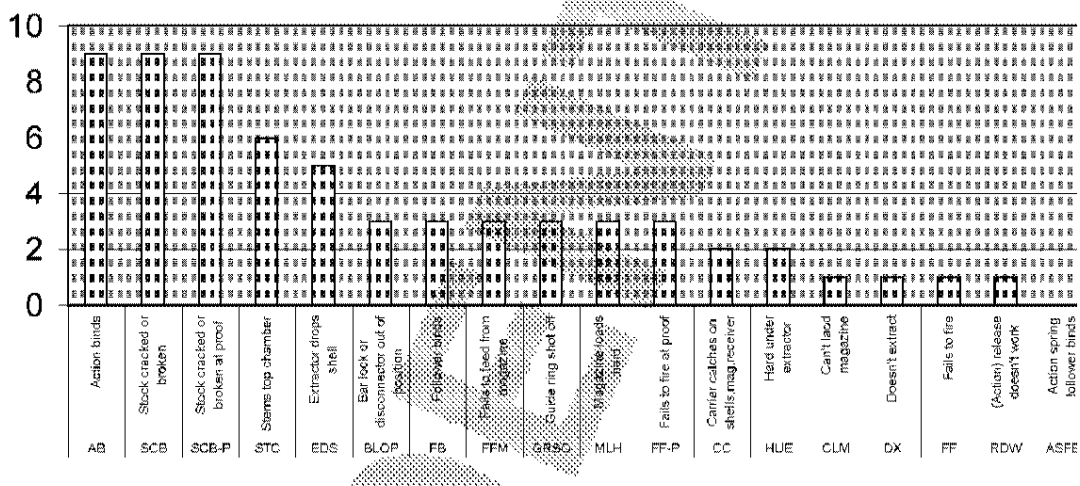
870 16Ga	870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U	total	Auto Total	Pump Total
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
	1						4	1	3
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
							0	0	0
			9				9	0	9
							0	0	0

ILE00074463

Gallery Top Faults for Pump Shotguns - Current month through:

8/13/06



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hrough:

RDW	(Action) release doesn't work		
ASFB	Action spring follower binds		
BABS	Bulge at body shoulder		
BAC	Burn at chamber		

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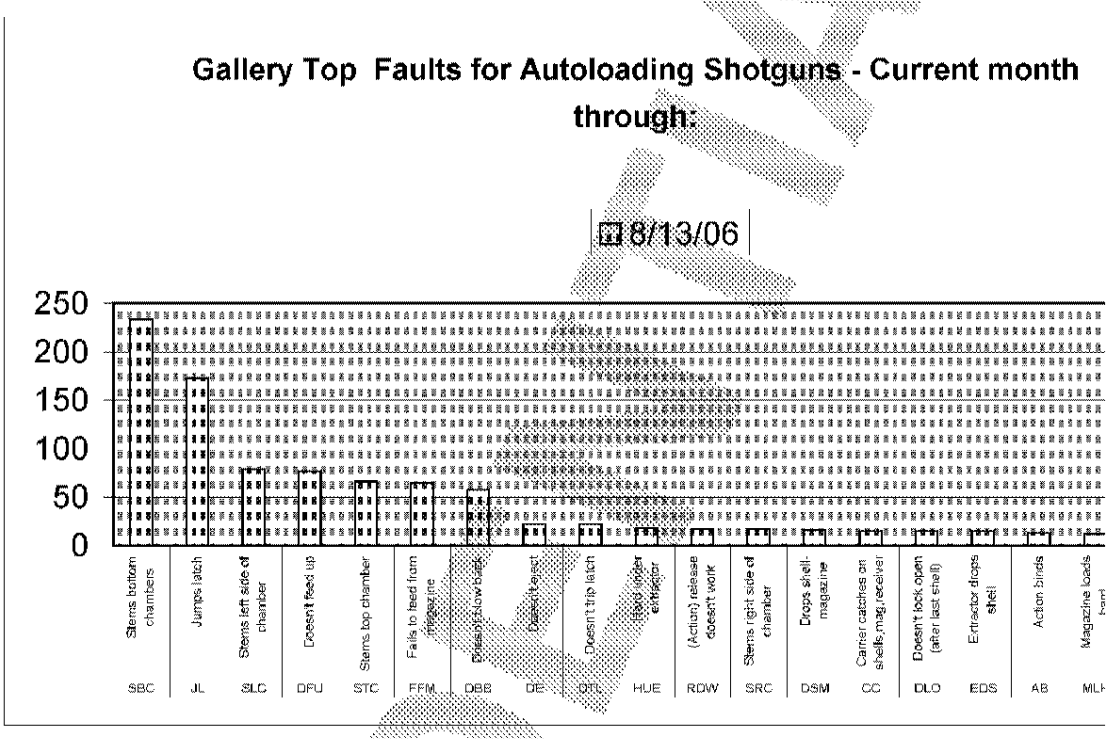

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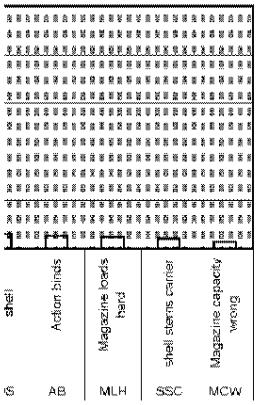
month



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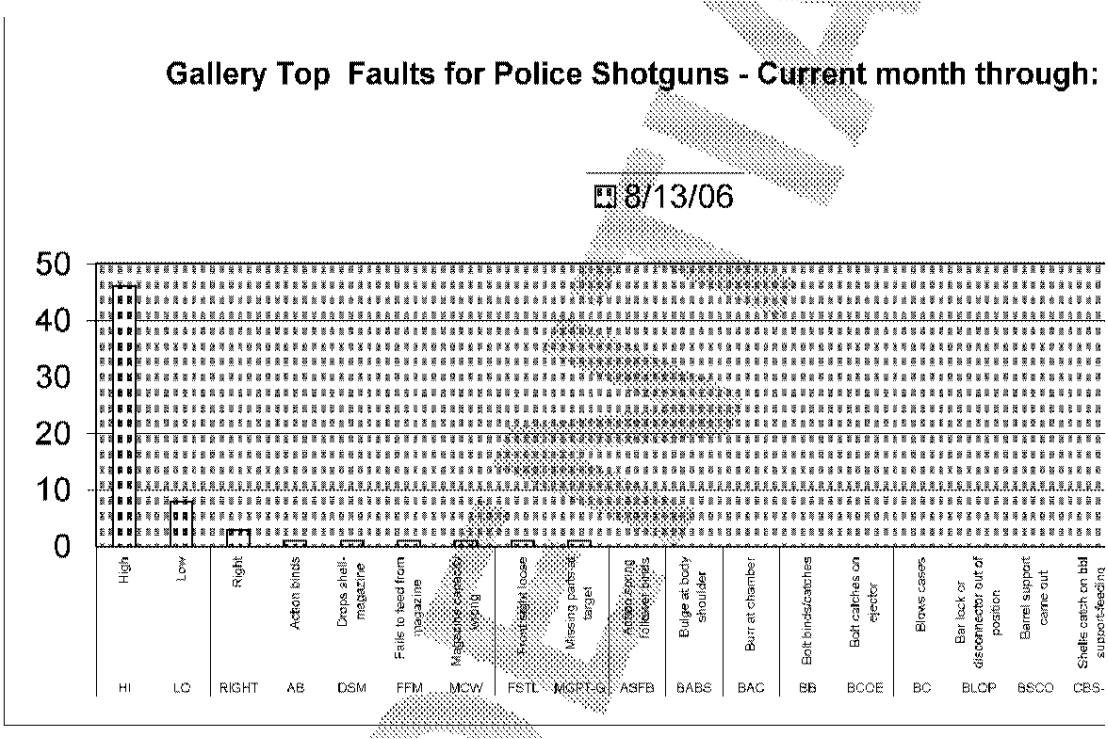

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hrough:

P	position
BSCO	Barrel support came out
CBS-F	Shells catch on bbl support-feeding
CBS-L	Shells catch on bbl support-loading
CC	Carrier catches on shells,mag,receiver

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8/13/06

AB	Action binds	9
SCB	Stock cracked or broken	9
SCB-P	Stock cracked or broken at proof	9
STC	Stems top chamber	6
EDS	Extractor drops shell	5
BLOP	Bar lock or disconnector out of position	3
FB	Follower binds	3
FFM	Fails to feed from magazine	3
GRSO	Guide ring shot off	3
MLH	Magazine loads hard	3
FF-P	Fails to fire at proof	3
CC	Carrier catches on shells,mag,receiver	2
HUE	Hard under extractor	2
CLM	Can't laod magazine	1
DX	Doesn't extract	1
FF	Fails to fire	1
RDW	(Action) release doesn't work	1
ASFB	Action spring follower binds	0
BABS	Bulge at body shoulder	0
BAC	Burr at chamber	0
BB	Bolt binds/catches	0
BCOE	Bolt catches on ejector	0
BC	Blows cases	0
BSCO	Barrel support came out	0
CBS-F	Shells catch on bbl support-feeding	0
CBS-L	Shells catch on bbl support-loading	0
CD	Case dented	0
CH	Closes hard	0
CHAB	Carrier hits action bar	0
CO	Cut-off	0
CR	Cuts rim	0
CS	Cases swell	0
CTOG	Chamber torn or gouged	0
CTP	Creepy trigger pull	0
CWSB	Cams wrong side of action bar	0
DBB	Doesn't blow back	0
DCS	Double click in safety switch	0
DCT	Double click in trigger	0
DCU	Doesn't close-up	0
DE	Doesn't eject	0
DEL	Doesn't eject live round	0
DFU	Doesn't feed up	0
DLO	Doesn't lock open (after last shell)	0
DLU	Doesn't lock-up	0
DS	Dead safe	0
DSM	Drops shell-magazine	0
DTL	Doesn't trip latch	0
DXL	Doesn't extract live round	0
ESB	Ejector sticks back	0
ESS	Extractor stems shell	0
FA	Fires automatically	0

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FC	Fails to connect	0
FCB	Fore-end cracked or broken	0
FD	Follows-down	0
FFP	Flat firing pin	0
FOS	Fires on safe	0
FSR	Fires when safe is released	0
GCSO	Gas cyl shot off	0
HPA	High pressure ammo	0
ILOP	Int. latch out of position	0
ILRM	Int. latch ret. Missing	0
ILSB	Int. latch stud broken	0
ILSP	Int. latch spring out of position	0
JL	Jumps latch	0
JO	Jars off	0
LB	Light blow	0
MCSO	Magazine cap shot off	0
MCW	Magazine capacity wrong	0
MFA	Misfires (ammo)	0
MFOP	Magazine follower out of position	0
OH	Opens hard	0
PH	Pulls hard	0
PSI	Proof stamp illegible	0
PSM	Proof stamp missing	0
RBOC	Rings and bulges on case	0
RIC	Rings in chamber	0
SBC	Stems bottom chambers	0
SBCL	Shell binds carrier latch	0
SBE	Stems bbl extension	0
SCX	Shell catches	0
SHI	Short indent	0
SIC	Stems in chamber	0
SL	shaves lead	0
SLC	Stems left side of chamber	0
SMOC	Stretch marks on case	0
SRC	Stems right side of chamber	0
SRIC	Specific rings in chamber	0
SSC	shell stems carrier	0
SWE	Safety switch works too easily	0
SWH	Safety switch works too hard	0
SWW	Safety ewitxh won't work	0
TD	Tips down	0
TU	Tips up	0
TWP	Trigger won't pull	0
TWR	Trigger won't retract	0
UNCN-T	Uncoded	0
XH	Extracts hard	0
XHB	Extractor hits bbl	0
		0
HI	High	0
LO	Low	0
LEFT	Left	0

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RIGHT	Right	0
DG	Doesn't Group	0
FSST	Front sight tipped	0
RSTT	Rear sight tipped	0
RSBR	Rear sight base raised	0
FSTR	Front sight raised	0
FSTL	Front sight loose	0
RSTL	Rear sight loose	0
MGPT-G	Missing parts at target	0
UNCN-G	Uncoded nonconformity at target	0
AI-P	Assembly incompleye at proof	0
BC-P	Blows cases at proof	0
BEB-P	Barrel extension broken at proof	0
BLP-P	Blanked primer at proof	0
BP-P	Blown primer at proof	0
BS-P	Barrel split at proof	0
DLOS-P	Doesn't lock over shells at proof	0
ESB-P	Ejector sticks back at proof	0
FCB-P	Fore-end cracked at proof	0
FESO-P	Fore-end shot off at proof	0
GCSO-P	Gas cylinder shot off at proof	0
GRSO-P	Guide ring shot off at proof	0
MCSO-P	Magazine cap shot off at proof	0
MSI-P	Magnaflux stamp illegible on bbl	0
MSM-P	Magnaflux stamp missing on bbl	0
PP-P	Pierced primer at proof	0
UNCM-P	Uncoded proof malfunctions	0

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SBC	Stems bottom chambers	233
JL	Jumps latch	173
SLC	Stems left side of chamber	79
DFU	Doesn't feed up	76
STC	Stems top chamber	66
FFM	Fails to feed from magazine	65
DBB	Doesn't blow back	57
DE	Doesn't eject	22
DTL	Doesn't trip latch	22
HUE	Hard under extractor	18
RDW	(Action) release doesn't work	17
SRC	Stems right side of chamber	17
DSM	Drops shell-magazine	16
CC	Carrier catches on shells,mag,receiver	15
DLO	Doesn't lock open (after last shell)	15
EDS	Extractor drops shell	15
AB	Action binds	13
MLH	Magazine loads hard	12
SSC	shell stems carrier	10
MCW	Magazine capacity wrong	7
UNCN-T	Uncoded	5
DLU	Doesn't lock-up	4
ILRM	Int. latch ret. Missing	4
DX	Doesn't extract	3
SIC	Stems in chamber	3
DCU	Doesn't close-up	2
ILOP	Int. latch out of position	2
SRIC	Specific rings in chamber	2
BLOP	Bar lock or disconnector out of position	1
CLM	Can't laod magazine	1
FF	Fails to fire	1
GCSO	Gas cyl shot off	1
LB	Light blow	1
MCSO	Magazine cap shot off	1
FF-P	Fails to fire at proof	1
ASFB	Action spring follower binds	0
BABS	Bulge at body shoulder	0
BAC	Burr at chamber	0
BB	Bolt binds/catches	0
BCOE	Bolt catches on ejector	0
BC	Blows cases	0
BSCO	Barrel support came out	0
CBS-F	Shells catch on bbl support-feeding	0
CBS-L	Shells catch on bbl support-loading	0
CD	Case dented	0
CH	Closes hard	0
CHAB	Carrier hits action bar	0
CO	Cut-off	0
CR	Cuts rim	0
CS	Cases swell	0
CTOG	Chamber torn or gouged	0

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CTP	Creepy trigger pull	0
CWSB	Cams wrong side of action bar	0
DCS	Double click in safety switch	0
DCT	Double click in trigger	0
DEL	Doesn't eject live round	0
DS	Dead safe	0
DXL	Doesn't extract live round	0
ESB	Ejector sticks back	0
ESS	Extractor stems shell	0
FA	Fires automatically	0
FB	Follower binds	0
FC	Fails to connect	0
FCB	Fore-end cracked or broken	0
FD	Follows-down	0
FFP	Flat firing pin	0
FOS	Fires on safe	0
FSR	Fires when safe is released	0
GRSO	Guide ring shot off	0
HPA	High pressure ammo	0
ILSB	Int. latch stud broken	0
ILSP	Int. latch spring out of position	0
JO	Jars off	0
MFA	Misfires (ammo)	0
MFOP	Magazine follower out of position	0
OH	Opens hard	0
PH	Pulls hard	0
PSI	Proof stamp illegible	0
PSM	Proof stamp missing	0
RBOC	Rings and bulges on case	0
RIC	Rings in chamber	0
SBCL	Shell binds carrier latch	0
SBE	Stems bbl extension	0
SCB	Stock cracked or broken	0
SCX	Shell catches	0
SHI	Short indent	0
SL	shaves lead	0
SMOC	Stretch marks on case	0
SWE	Safety switch works too easily	0
SWH	Safety switch works too hard	0
SWW	Safety ewitxh won't work	0
TD	Tips down	0
TU	Tips up	0
TWP	Trigger won't pull	0
TWR	Trigger won't retract	0
XH	Extracts hard	0
XHB	Extractor hits bbl	0
HI	High	0
LO	Low	0
LEFT	Left	0
RIGHT	Right	0
DG	Doesn't Group	0

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FSST	Front sight tipped	0
RSTT	Rear sight tipped	0
RSBR	Rear sight base raised	0
FSTR	Front sight raised	0
FSTL	Front sight loose	0
RSTL	Rear sight loose	0
MGPT-G	Missing parts at target	0
UNCN-G	Uncoded nonconformity at target	0
AI-P	Assembly incompleye at proof	0
BC-P	Blows cases at proof	0
BEB-P	Barrel extension broken at proof	0
BLP-P	Blanked primer at proof	0
BP-P	Blown primer at proof	0
BS-P	Barrel split at proof	0
DLOS-P	Doesn't lock over shells at proof	0
ESB-P	Ejector sticks back at proof	0
FCB-P	Fore-end cracked at proof	0
FESO-P	Fore-end shot off at proof	0
GCSO-P	Gas cylinder shot off at proof	0
GRSO-P	Guide ring shot off at proof	0
MCSO-P	Magazine cap shot off at proof	0
MSI-P	Magnaflux stamp illegible on bbl	0
MSM-P	Magnaflux stamp missing on bbl	0
PP-P	Pierced primer at proof	0
SCB-P	Stock cracked or broken at proof	0
UNCM-P	Uncoded proof malfunctions	0

CONFIDENTIAL

HI	High	46
LO	Low	8
RIGHT	Right	3
AB	Action binds	1
DSM	Drops shell-magazine	1
FFM	Fails to feed from magazine	1
MCW	Magazine capacity wrong	1
FSTL	Front sight loose	1
MGPT-G	Missing parts at target	1
ASFB	Action spring follower binds	0
BABS	Bulge at body shoulder	0
BAC	Burr at chamber	0
BB	Bolt binds/catches	0
BCOE	Bolt catches on ejector	0
BC	Blows cases	0
BLOP	Bar lock or disconnector out of position	0
BSCO	Barrel support came out	0
CBS-F	Shells catch on bbl support-feeding	0
CBS-L	Shells catch on bbl support-loading	0
CC	Carrier catches on shells,mag,receiver	0
CD	Case dented	0
CH	Closes hard	0
CHAB	Carrier hits action bar	0
CLM	Can't laod magazine	0
CO	Cut-off	0
CR	Cuts rim	0
CS	Cases swell	0
CTOG	Chamber torn or gouged	0
CTP	Creepy trigger pull	0
CWSB	Cams wrong side of action bar	0
DBB	Doesn't blow back	0
DCS	Double click in safety switch	0
DCT	Double click in trigger	0
DCU	Doesn't close-up	0
DE	Doesn't eject	0
DEL	Doesn't eject live round	0
DFU	Doesn't feed up	0
DLO	Doesn't lock open (after last shell)	0
DLU	Doesn't lock-up	0
DS	Dead safe	0
DTL	Doesn't trip latch	0
DX	Doesn't extract	0
DXL	Doesn't extract live round	0
EDS	Extractor drops shell	0
ESB	Ejector sticks back	0
ESS	Extractor stems shell	0
FA	Fires automatically	0
FB	Follower binds	0
FC	Fails to connect	0
FCB	Fore-end cracked or broken	0
FD	Follows-down	0

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FF	Fails to fire	0
FFP	Flat firing pin	0
FOS	Fires on safe	0
FSR	Fires when safe is released	0
GCSO	Gas cyl shot off	0
GRSO	Guide ring shot off	0
HPA	High pressure ammo	0
HUE	Hard under extractor	0
ILOP	Int. latch out of position	0
ILRM	Int. latch ret. Missing	0
ILSB	Int. latch stud broken	0
ILSP	Int. latch spring out of position	0
JL	Jumps latch	0
JO	Jars off	0
LB	Light blow	0
MCSO	Magazine cap shot off	0
MFA	Misfires (ammo)	0
MFOP	Magazine follower out of position	0
MLH	Magazine loads hard	0
OH	Opens hard	0
PH	Pulls hard	0
PSI	Proof stamp illegible	0
PSM	Proof stamp missing	0
RBOC	Rings and bulges on case	0
RDW	(Action) release doesn't work	0
RIC	Rings in chamber	0
SBC	Stems bottom chambers	0
SBCL	Shell binds carrier latch	0
SBE	Stems bbl extension	0
SCB	Stock cracked or broken	0
SCX	Shell catches	0
SHI	Short indent	0
SIC	Stems in chamber	0
SL	shaves lead	0
SLC	Stems left side of chamber	0
SMOC	Stretch marks on case	0
SRC	Stems right side of chamber	0
SRIC	Specific rings in chamber	0
SSC	shell stems carrier	0
STC	Stems top chamber	0
SWE	Safety switch works too easily	0
SWH	Safety switch works too hard	0
SWW	Safety ewitxh won't work	0
TD	Tips down	0
TU	Tips up	0
TWP	Trigger won't pull	0
TWR	Trigger won't retract	0
UNCN-T	Uncoded	0
XH	Extracts hard	0
XHB	Extractor hits bbl	0
LEFT	Left	0

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DG	Doesn't Group	0
FSST	Front sight tipped	0
RSTT	Rear sight tipped	0
RSBR	Rear sight base raised	0
FSTR	Front sight raised	0
RSTL	Rear sight loose	0
UNCN-G	Uncoded nonconformity at target	0
		0
AI-P	Assembly incompleye at proof	0
BC-P	Blows cases at proof	0
BEB-P	Barrel extension broken at proof	0
BLP-P	Blanked primer at proof	0
BP-P	Blown primer at proof	0
BS-P	Barrel split at proof	0
DLOS-P	Doesn't lock over shells at proof	0
ESB-P	Ejector sticks back at proof	0
FCB-P	Fore-end cracked at proof	0
FESO-P	Fore-end shot off at proof	0
FF-P	Fails to fire at proof	0
GCSO-P	Gas cylinder shot off at proof	0
GRSO-P	Guide ring shot off at proof	0
MCSO-P	Magazine cap shot off at proof	0
MSI-P	Magnaflux stamp illegible on bbl	0
MSM-P	Magnaflux stamp missing on bbl	0
PP-P	Pierced primer at proof	0
SCB-P	Stock cracked or broken at proof	0
UNCM-P	Uncoded proof malfunctions	0

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Subject to Protective Order: Williams v. Remington

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Summary		
	Total Test + Proof Failures	1077
	Total Rejected:	102
	Overall Reject Rate:	9.47

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	48	14	20	11		24		39	364	113
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0
Test	Shot:	128	20				56		27	364	113
	Rejected	57	0	0	0	0	10	0	12	4	0
	Percent:	44.5	0.0				17.9		44.4	1.1	0.0
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds									1	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position									1	
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	1									
CD	Case dented										
CH	Closes hard										

Subject to Protective Order: Williams v. Remington

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
CHAB	Carrier hits action bar										
CLM	Can't load magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1					1				
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	2									
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)	4									
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	5									
DTL	Doesn't trip latch	1									
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell								5		
ESB	Ejector sticks back										
ESS	Extractor stems shell										

ILE0007448

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
FA	Fires automatically										
FB	Follower binds										
FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	6					5				
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor	8									
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	5									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										

ILE00074481

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										
PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	1					2				
RIC	Rings in chamber										
SBC	Stems bottom chambers	20									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									2	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	2							5		
SMOC	Stretch marks on case										
SRC	Stems right side of chamber								2		
SRIC	Specific rings in chamber										
SSC	shell stems carrier	1									
STC	Stems top chamber						2				
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										

Subject to Protective Order: Williams v. Remington

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										
XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										

ILE00074483

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CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										
GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074484

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Test Date:

18		304		94	
0	0	0	0	0	0
0.0		0.0		0.0	
18		304		47	
0	0	0	0	0	0
0.0		0.0		0.0	
				87	
0	0	0	0	19	0
				21.8	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074485

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

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870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

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870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

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870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

				16	
				3	

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870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074490

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Summary		
	Total Test + Proof Failures	1059
	Total Rejected:	7
	Overall Reject Rate:	0.66

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	25	66		10				31	814	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0		0.0				0.0	0.0	
Test	Shot:	4	43		10					814	
	Rejected	0	6	0	0	0	0	0	0	1	0
	Percent:	0.0	14.0		0.0					0.1	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver									1	
CD	Case dented										
CH	Closes hard										

ILE00074491

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CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

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FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch		5								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

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PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded		1								
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

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XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007449

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Test Date:

3		67		86	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
3		67		118	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
				93	
0	*0*	*0*	*0*	*0*	*0*
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074497

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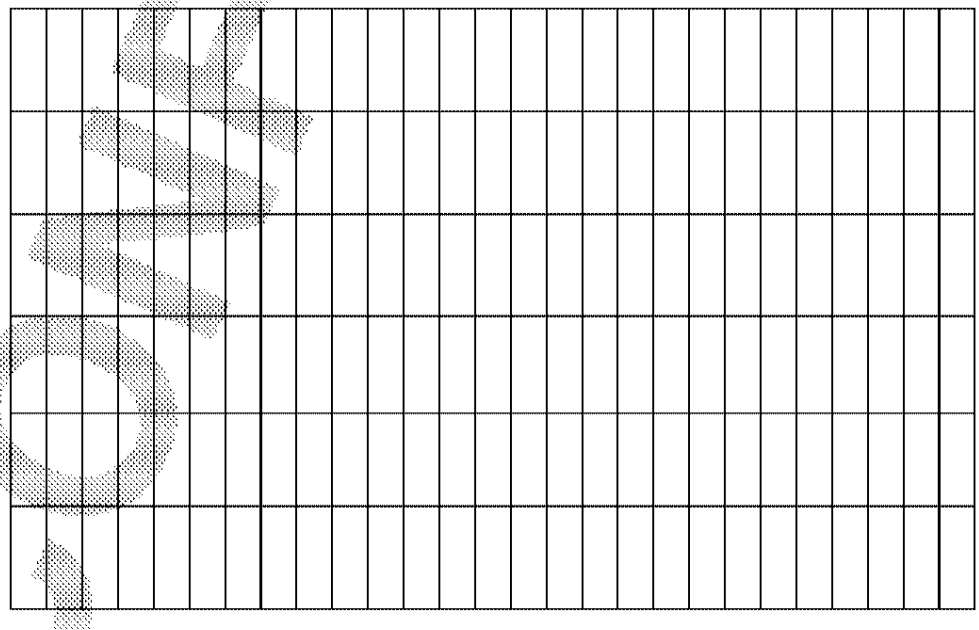

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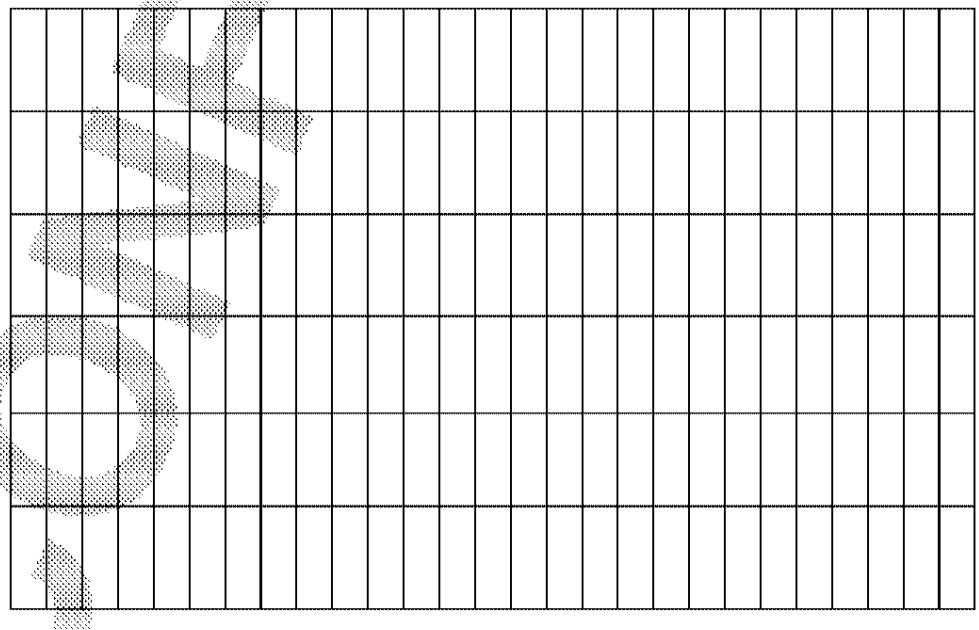

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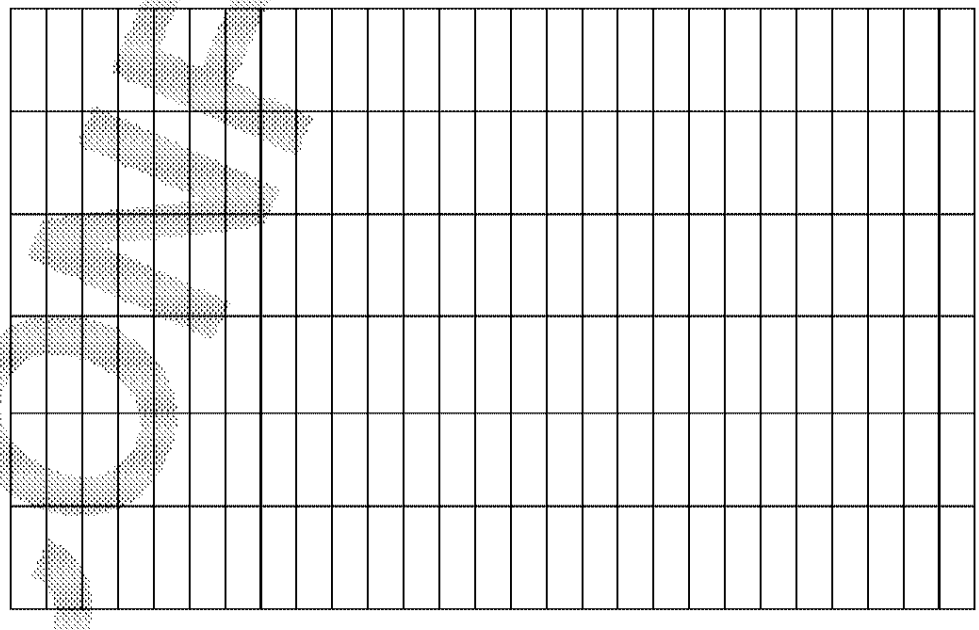

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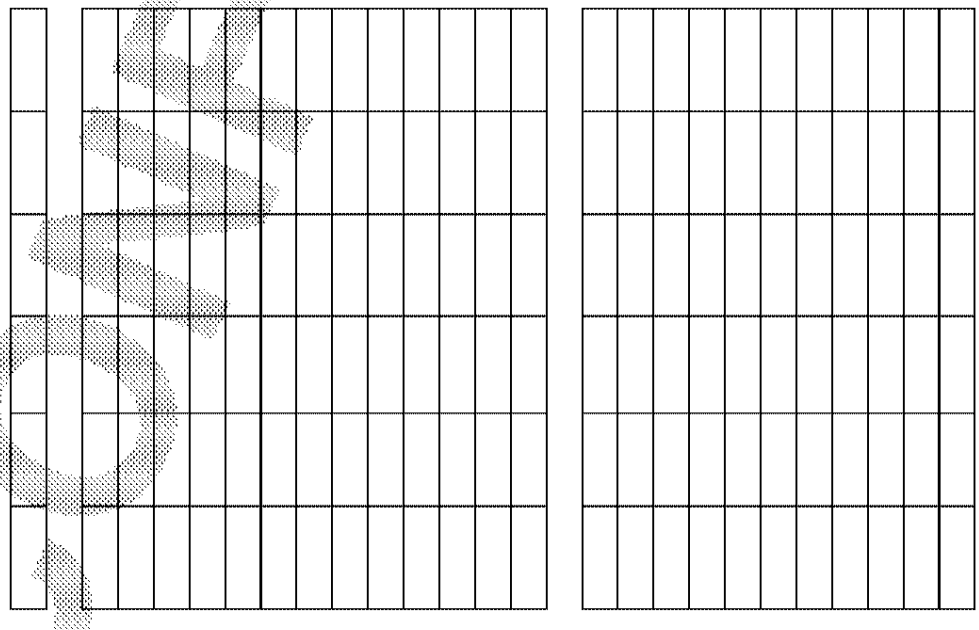

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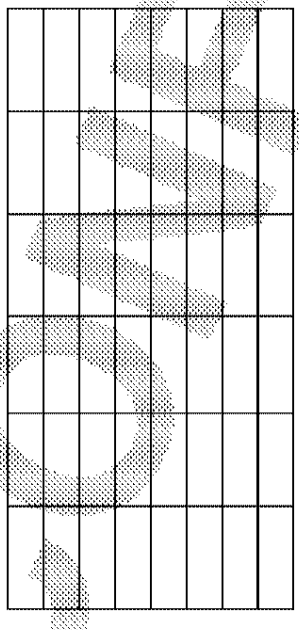

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Summary		
	Total Test + Proof Failures	1016
	Total Rejected:	37
	Overall Reject Rate:	3.64

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	14	36		3			13	24	619	
	Rejected:	0	0	0	0	0	0	0	0	1	0
	Percent:	0.0	0.0		0.0			0.0	0.0	0.2	
Test	Shot:	14	12		14			16	50	619	
	Rejected:	1	2	0	0	0	0	0	17	3	0
	Percent:	7.1	16.7		0.0			0.0	34.0	0.5	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE0007450

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CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back								2		
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject								1		
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine		1								
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell								1		
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074504

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FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire									1	
FFM	Fails to feed from magazine								1		
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position								1		
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch		1								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007450

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work									1	
RIC	Rings in chamber										
SBC	Stems bottom chambers	1									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber								3		
SMOC	Stretch marks on case										
SRC	Stems right side of chamber								6		
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber								2		
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

ILE0007450

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof									1	

ILE0007450

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ITE00074508

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

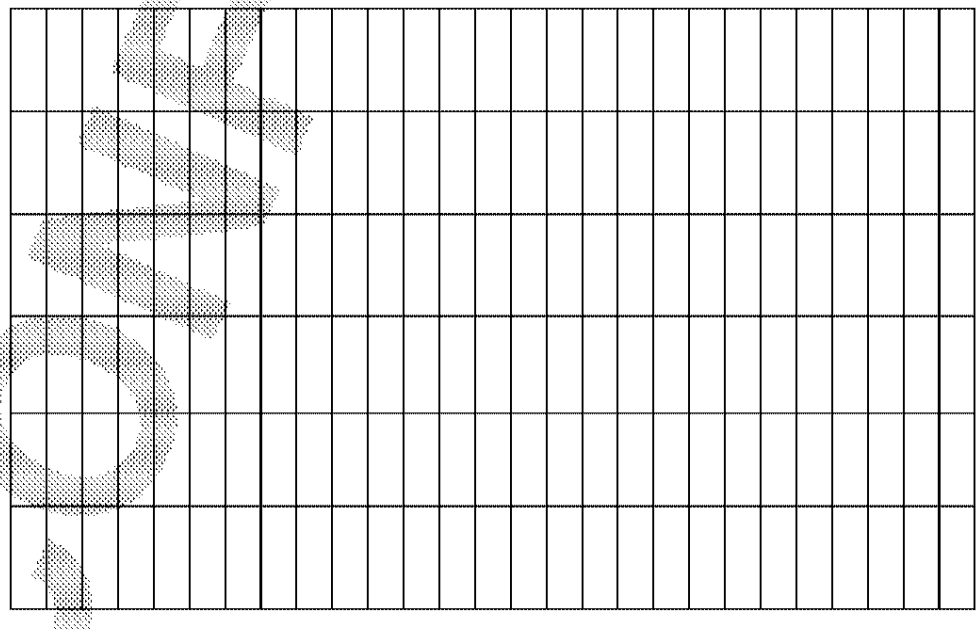
Test Date:

		193		98	
0	*0*	*0*	*0*	*0*	*0*
		0.0		*0.0*	
		193		97	
0	*0*	*1*	*0*	*1*	*0*
		0.5		*1.0*	
				112	
0	*0*	*0*	*0*	*11*	*0*
				9.8	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U
		1		1	

ILE0007450

CONFIDENTIAL



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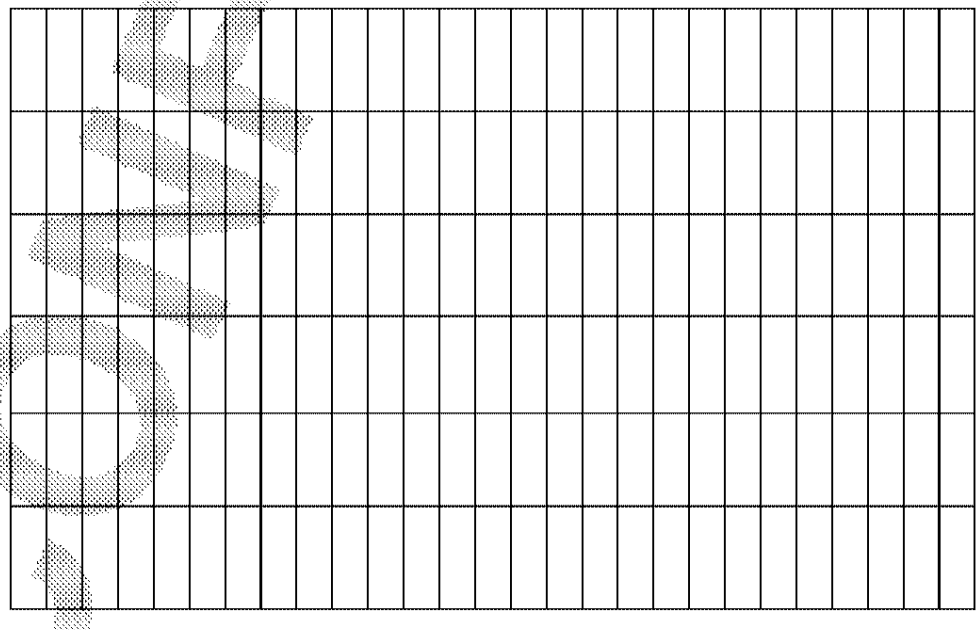
CONFIDENTIAL



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Summary		
	Total Test + Proof Failures	1011
	Total Rejected:	17
	Overall Reject Rate:	1.68

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	10	7	166	3			88	14	575	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0			0.0	0.0	0.0	
Test	Shot:			116			11	87	15	575	
	Rejected:	0	0	4	0	0	0	0	6	1	0
	Percent:			3.4			0.0	0.0	40.0	0.2	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds			1							
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074515

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back			1							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell								1		
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE0007451

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine									1	
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch								1		
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers								2		
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber								2		
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber			2							
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007451

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007452C

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

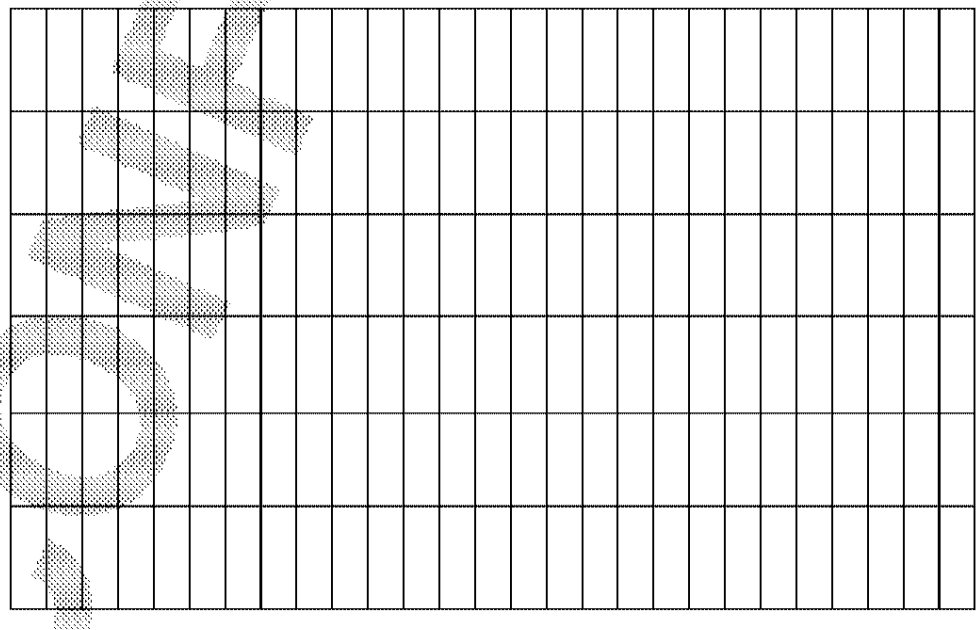
Test Date:

		148		55	
0	0	6	0	0	0
		4.1		0.0	
		146		55	
0	0	0	0	0	0
		0.0		0.0	
				55	
0	0	0	0	0	0
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074521

CONFIDENTIAL



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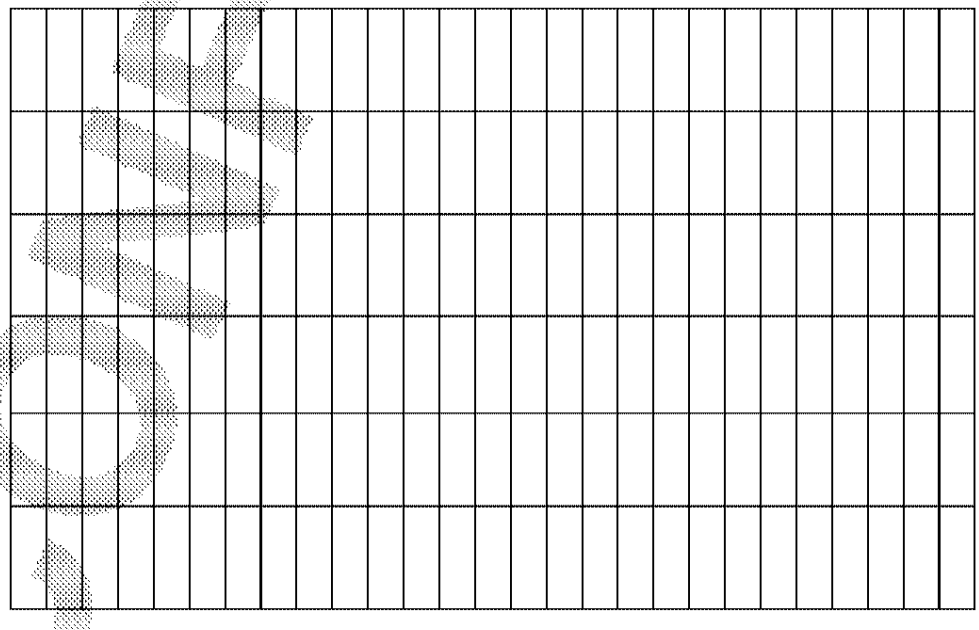

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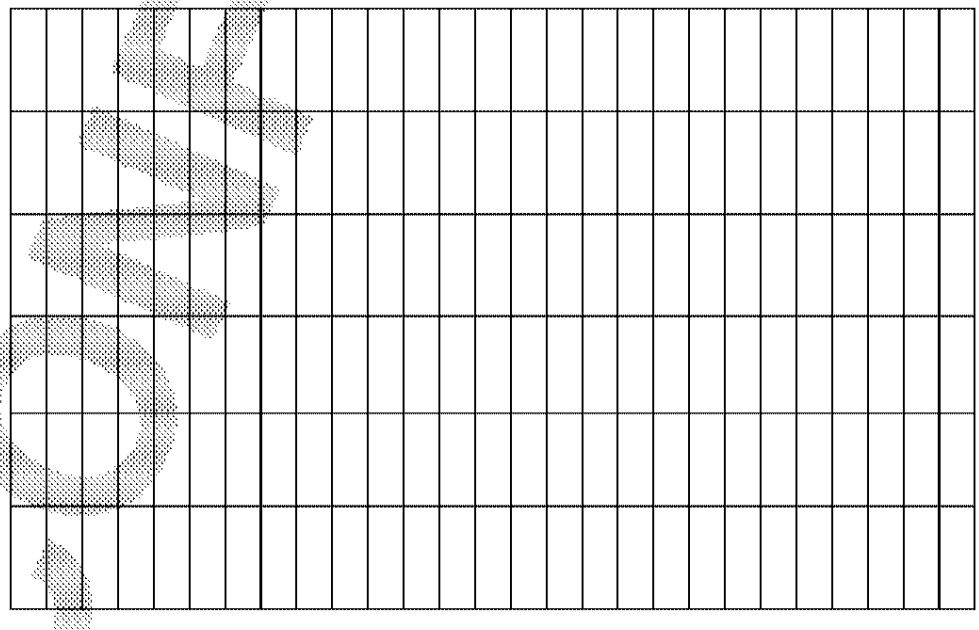


CONFIDENTIAL

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074527

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074532

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

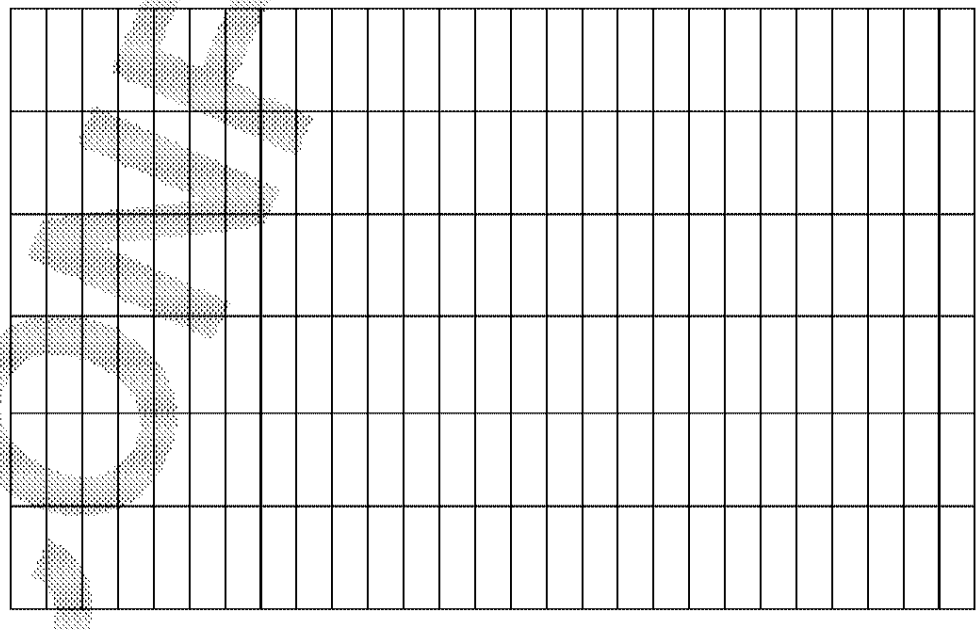
Test Date:

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074533

CONFIDENTIAL



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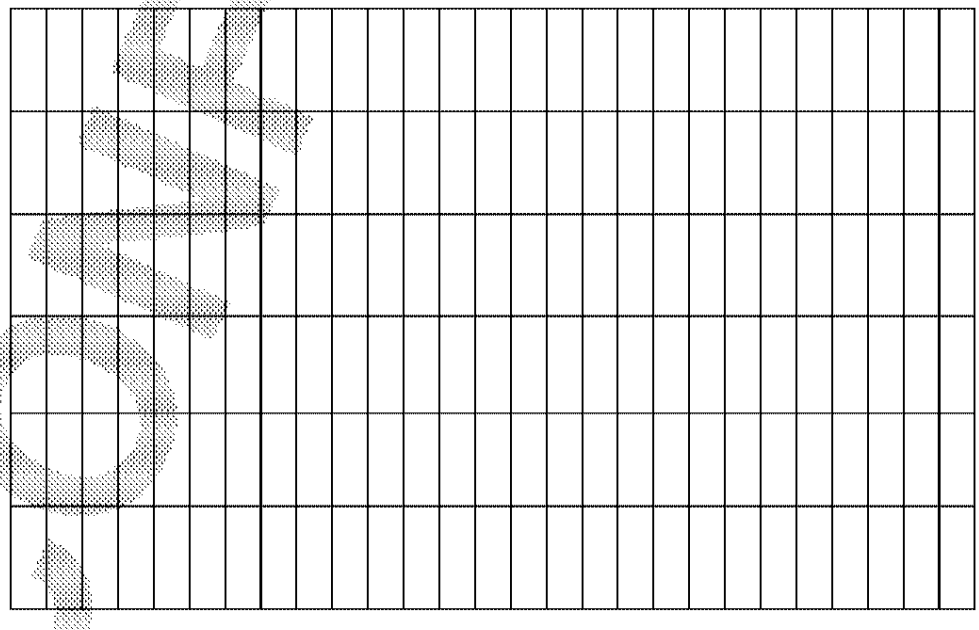

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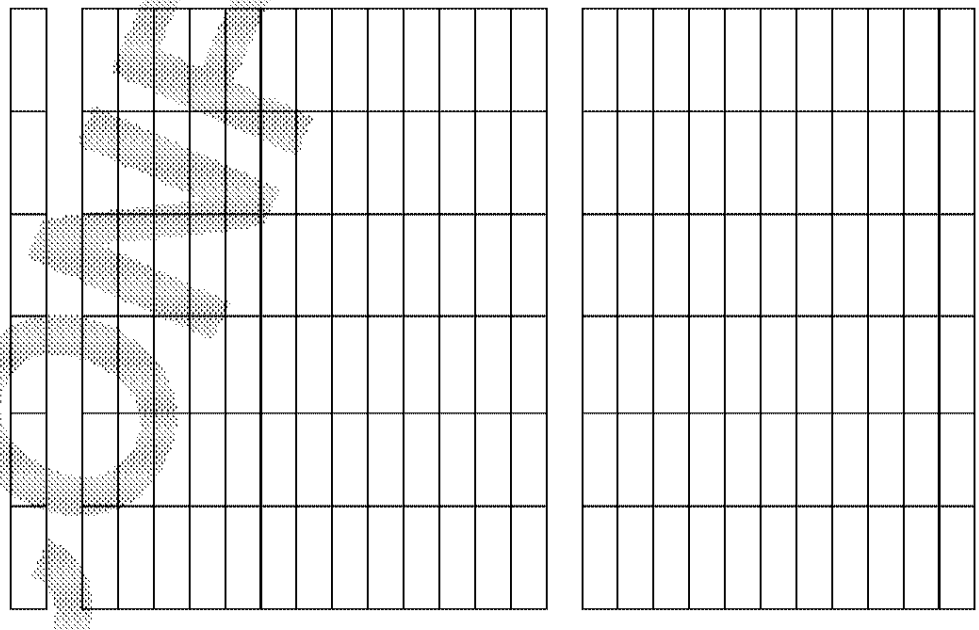

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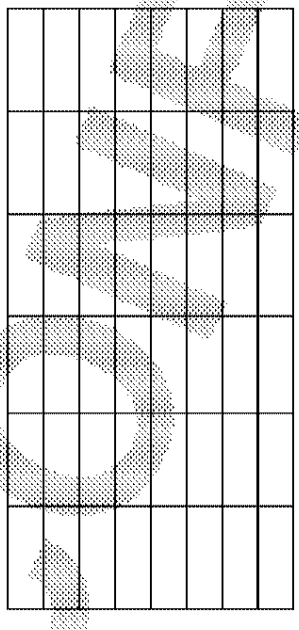


Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074539

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007454

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074544

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

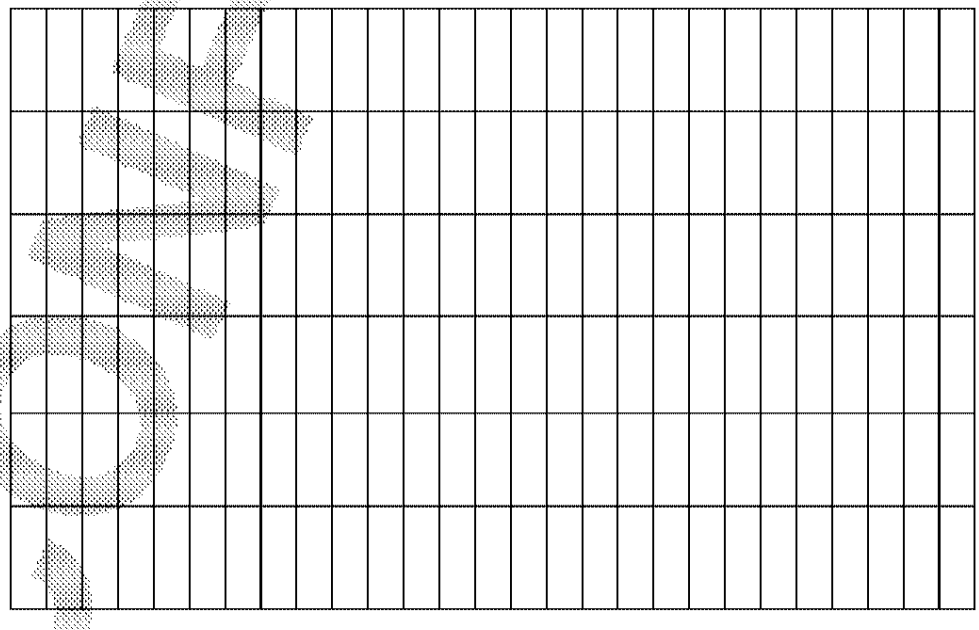
Test Date:

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074545

CONFIDENTIAL



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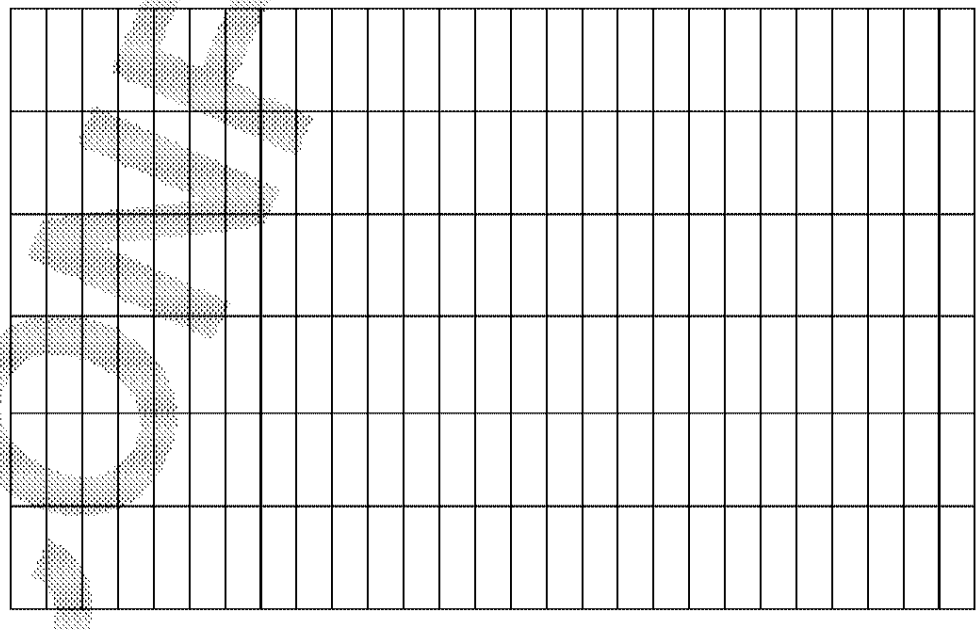

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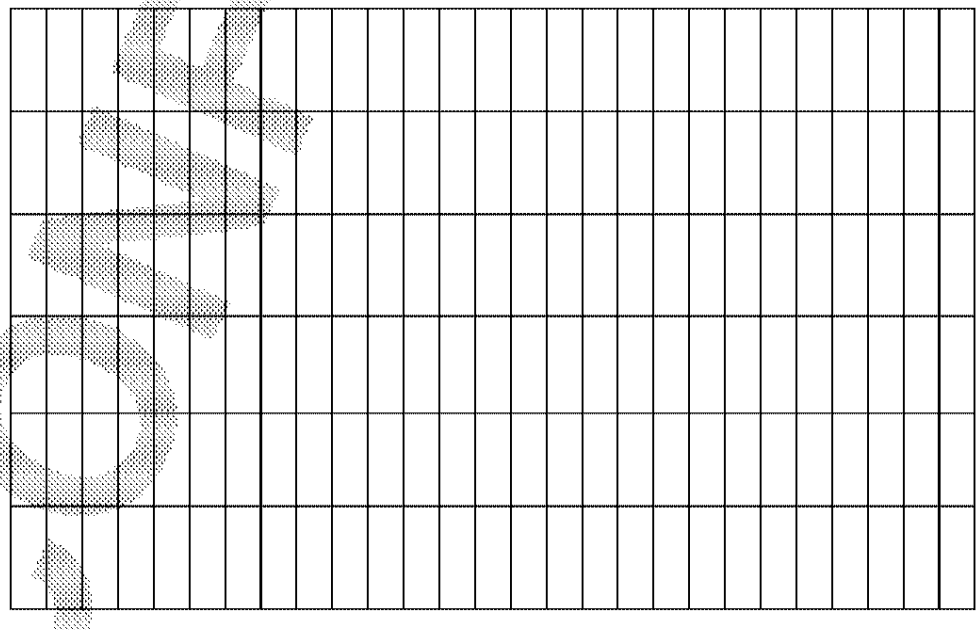

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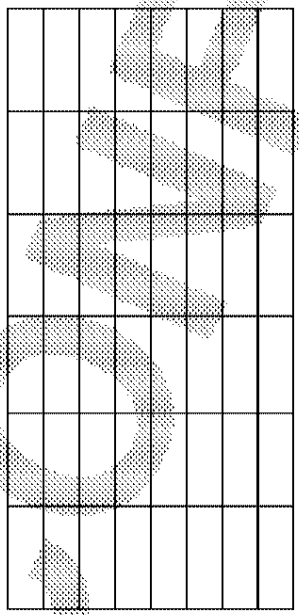

Subject to Protective Order - Williams v. Remington

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CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1307
	Total Rejected:	19
	Overall Reject Rate:	1.45

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	13	38	189				132	8	665	
	Rejected	0	0	1	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.5				0.0	0.0	0.0	
Test	Shot:			283				128		665	
	Rejected	0	4	4	0	0	0	5	0	5	0
	Percent:			1.4				3.9		0.8	
Target	Shot:				10		226				
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:				0.0		0.0				

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds			1						1	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position									1	
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074551

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back							1			
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up			1							
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up							1			
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell							1			
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine									1	
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off									1	
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch							1			
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong			1							
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard			1				1			
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE00074553

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber		2								
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber		2								
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof			1							

ILE0007455

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007455

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

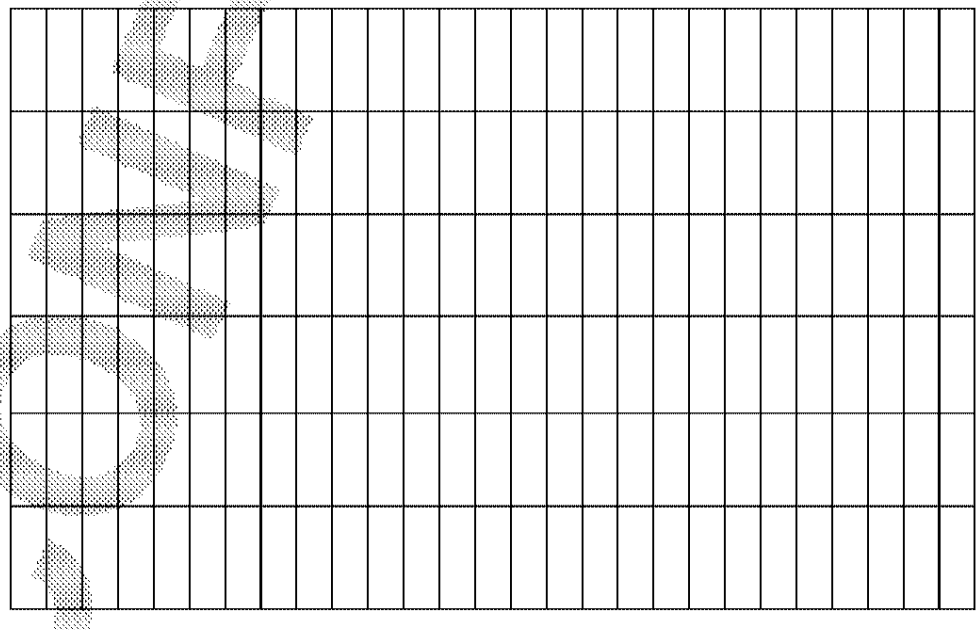
Test Date:

122		56		52	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
122		56		52	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
					57
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074557

CONFIDENTIAL



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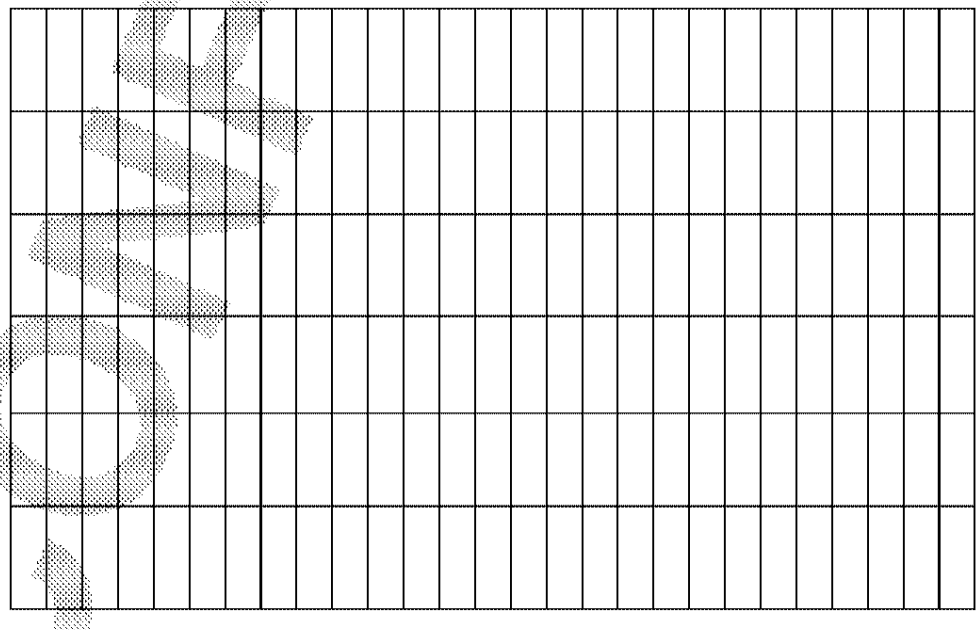

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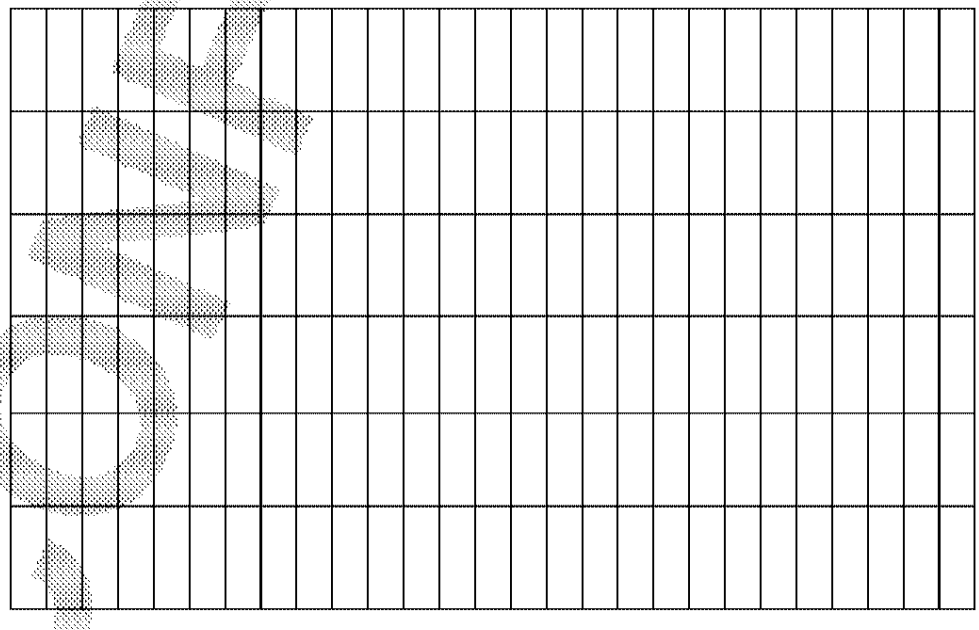

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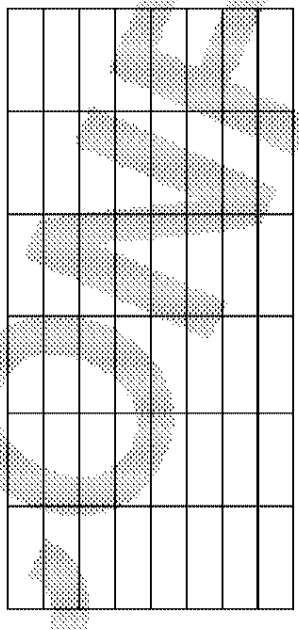

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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1390
	Total Rejected:	113
	Overall Reject Rate:	8.13

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	211								517	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0								0.0	
Test	Shot:	293	40							517	
	Rejected	93	17	0	0	0	0	0	0	3	0
	Percent:	31.7	42.5							0.6	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds	4									
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position	1									
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver									1	
CD	Case dented										
CH	Closes hard										

ILE0007456

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	15	1								
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	3									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	14									
DLO	Doesn't lock open (after last shell)	1									
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch	1									
DX	Doesn't extract	1									
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074564

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire	1									
FFM	Fails to feed from magazine		1								
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off									1	
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	10	15								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong	1									
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007456

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	2									
RIC	Rings in chamber										
SBC	Stems bottom chambers	22									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	13									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber	2									
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded	2									
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007456

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074568

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CONFIDENTIAL

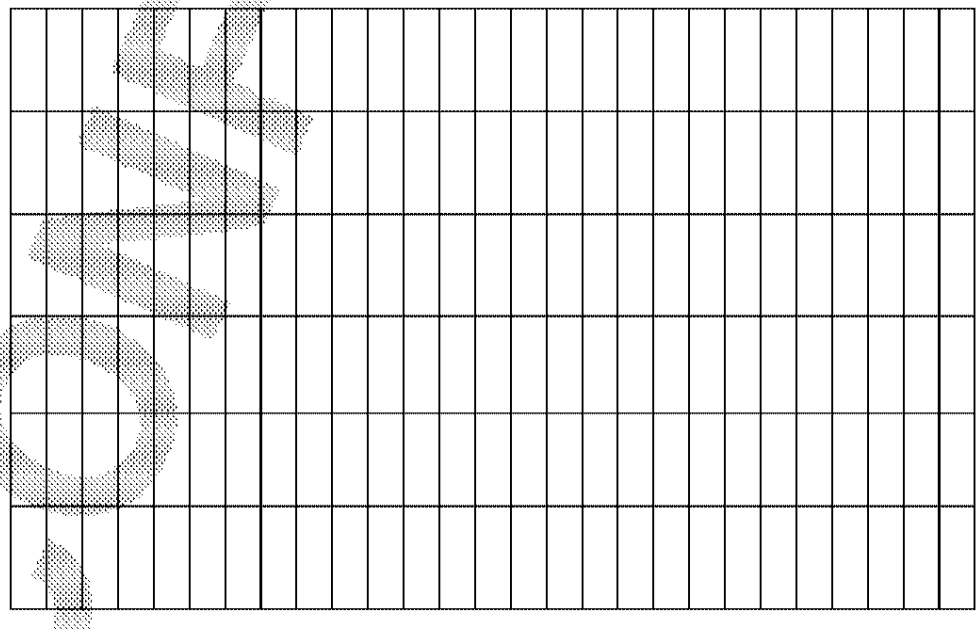
Test Date:

63		437		89	
0	0	0	0	0	0
0.0		0.0		0.0	
63		437		40	
0	0	0	0	0	0
0.0		0.0		0.0	
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074569

CONFIDENTIAL



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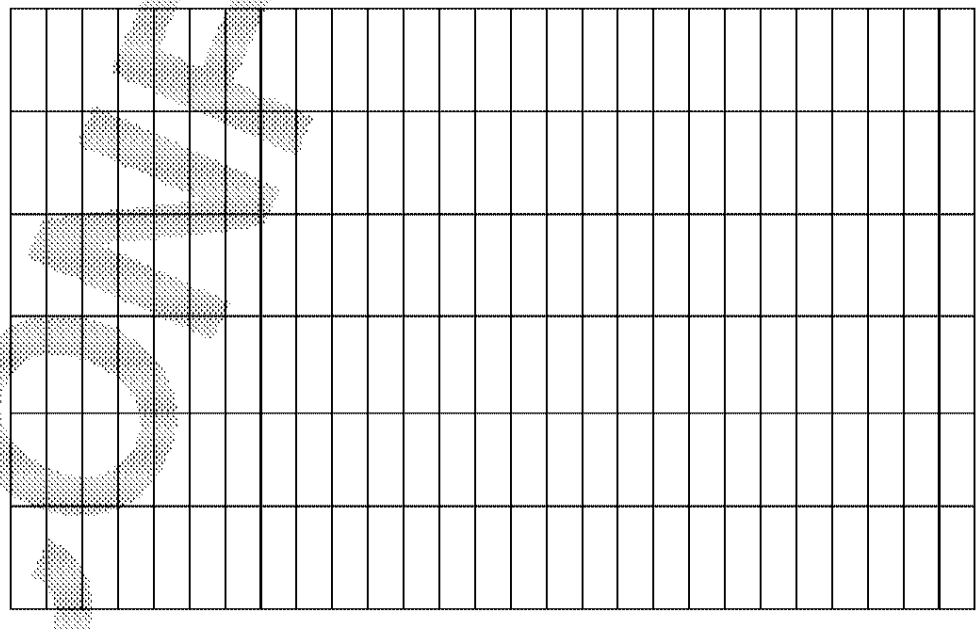

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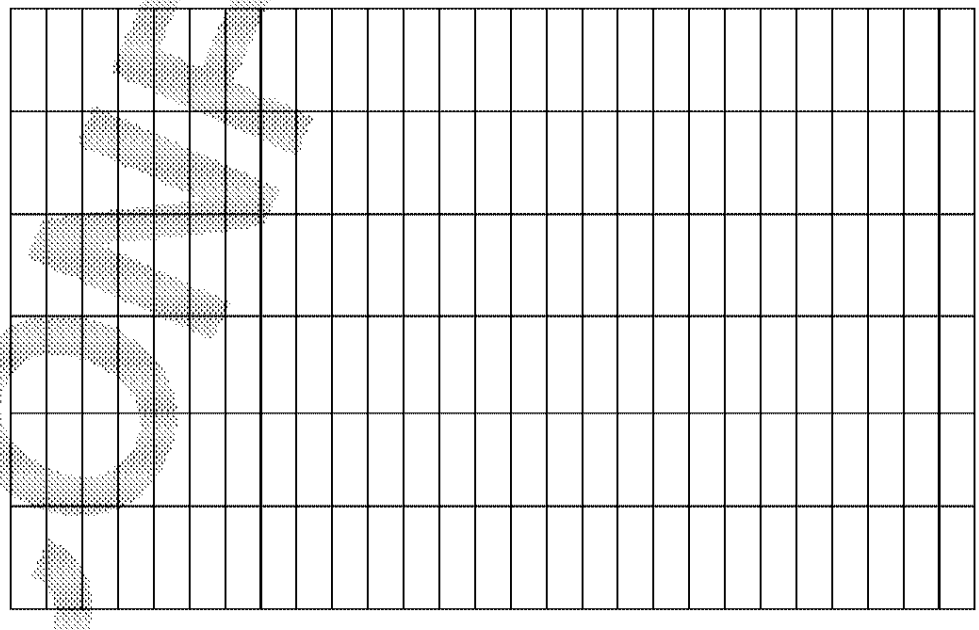

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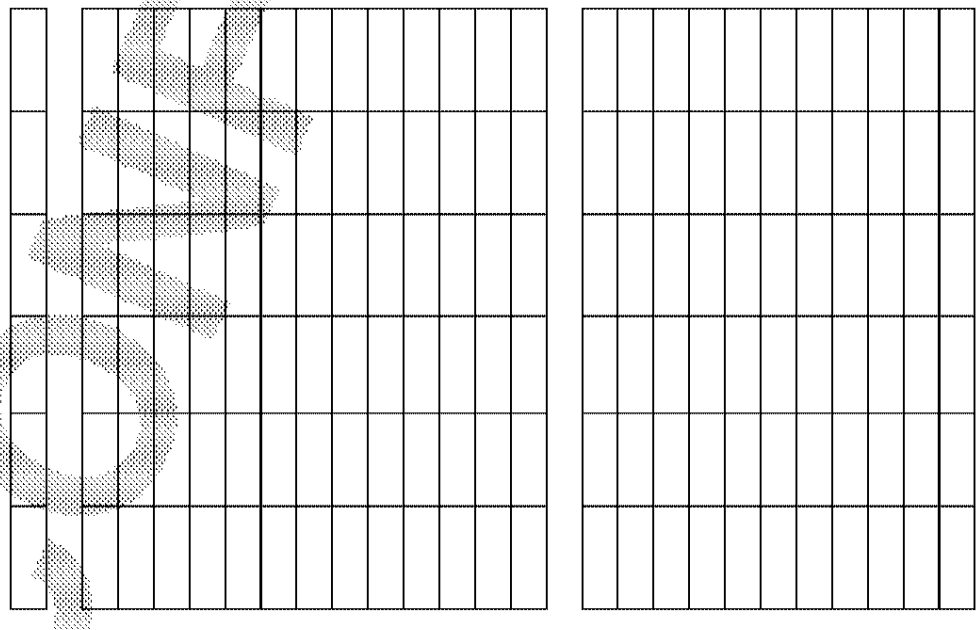

Subject to Protective Order - Williams v. Remington

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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1259
	Total Rejected:	75
	Overall Reject Rate:	5.96

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	131		82					26	353	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0		0.0					0.0	0.0	
Test	Shot:	159		98						353	
	Rejected	69	0	0	0	0	0	0	0	3	0
	Percent:	43.4		0.0						0.8	
Target	Shot:			10							
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:			0.0							

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds									1	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	4									
CD	Case dented										
CH	Closes hard										

ILE0007457

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	2									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	15									
DLO	Doesn't lock open (after last shell)	5									
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	2									
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE0007457

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	2								1	
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor	1									
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	2									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong	1									
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers	25									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	10									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007457

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074580

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

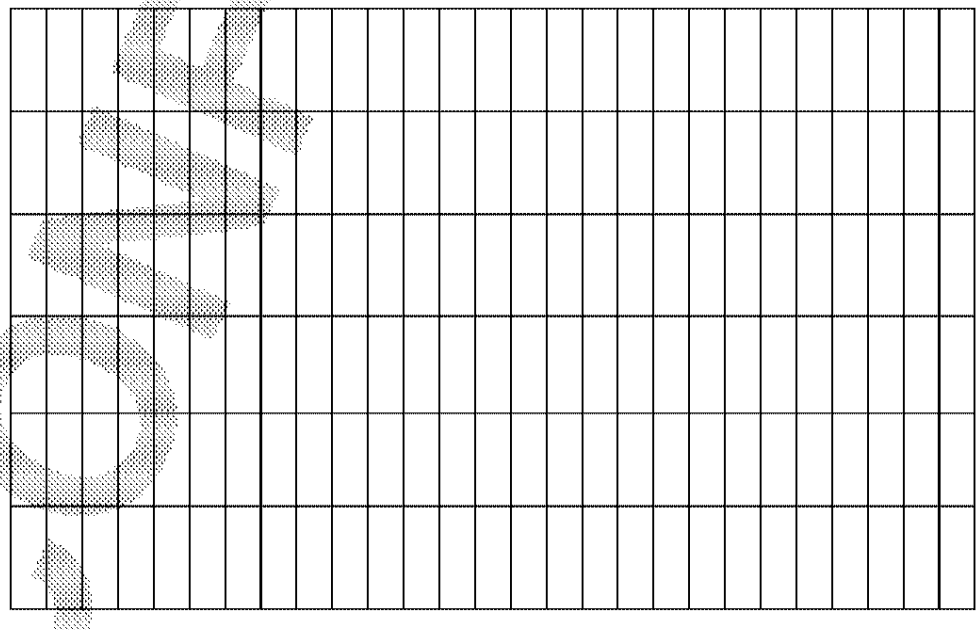
Test Date:

531				93	
0	*0*	*0*	*0*	*0*	*0*
0.0				*0.0*	
531				118	
1	*0*	*0*	*0*	*2*	*0*
0.2				*1.7*	
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U
1					

ILE00074581

CONFIDENTIAL



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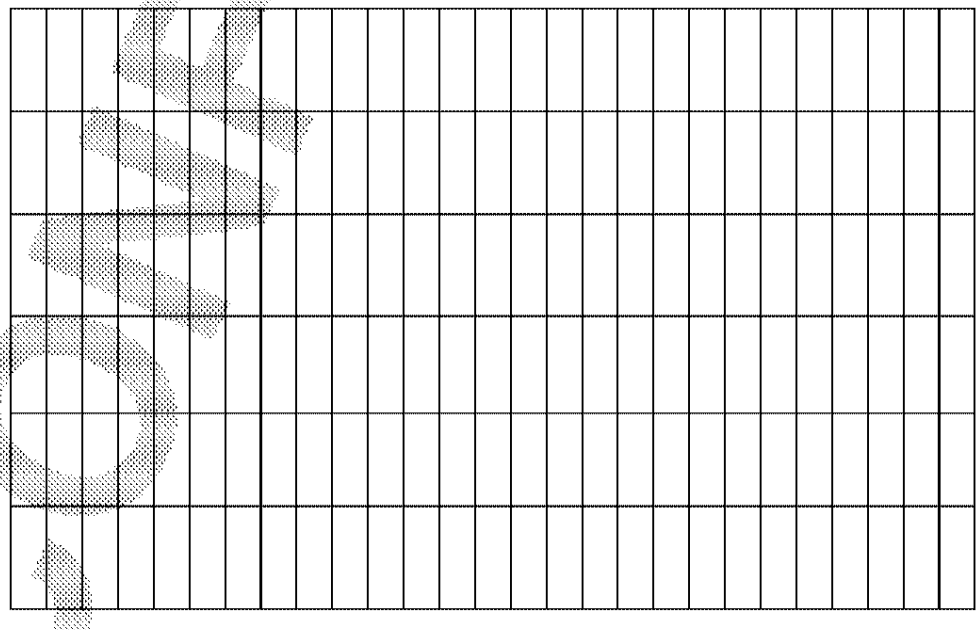

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Subject to Protective Order - Williams v. Remington

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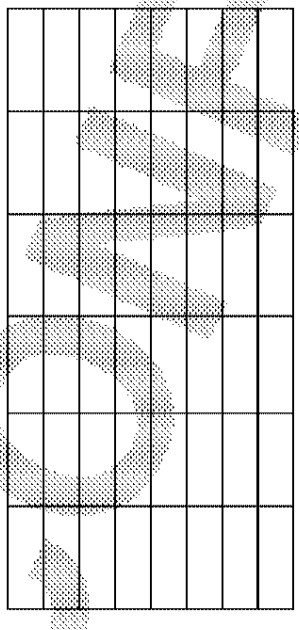


Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1261
	Total Rejected:	86
	Overall Reject Rate:	6.82

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	45	30	29				113		559	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0				0.0		0.0	
Test	Shot:	96		26				115	34	559	
	Rejected	54	0	3	0	0	0	14	15	0	0
	Percent:	56.3		11.5				12.2	44.1	0.0	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds	1									
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	3									
CD	Case dented										
CH	Closes hard										

ILE00074587

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	2							7		
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	1						1			
DEL	Doesn't eject live round										
DFU	Doesn't feed up	10									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	1									
DTL	Doesn't trip latch	1							1		
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell							1	1		
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074588

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	2									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor							3			
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	10									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off	1									
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007458

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	1									
RIC	Rings in chamber										
SBC	Stems bottom chambers	15						3	1		
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	6		1					3		
SMOC	Stretch marks on case										
SRC	Stems right side of chamber							6			
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber			2					2		
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

ILE00074590

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007459

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074592

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

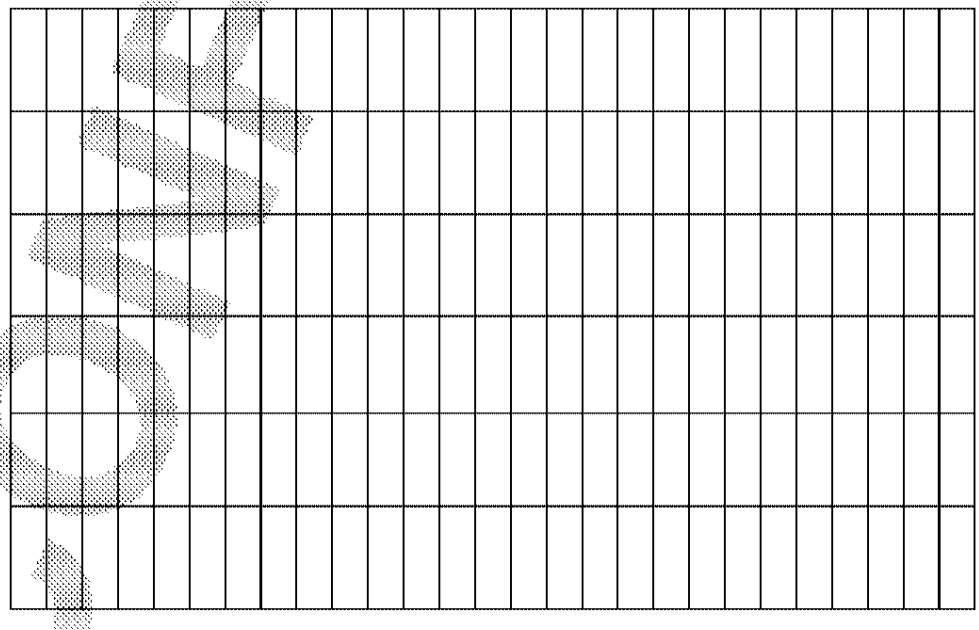
Test Date:

271		2		93	
0	0	0	0	0	0
0.0		0.0		0.0	
271		2		158	
0	0	0	0	0	0
0.0		0.0		0.0	
				17	
0	0	0	0	0	0
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074593

CONFIDENTIAL



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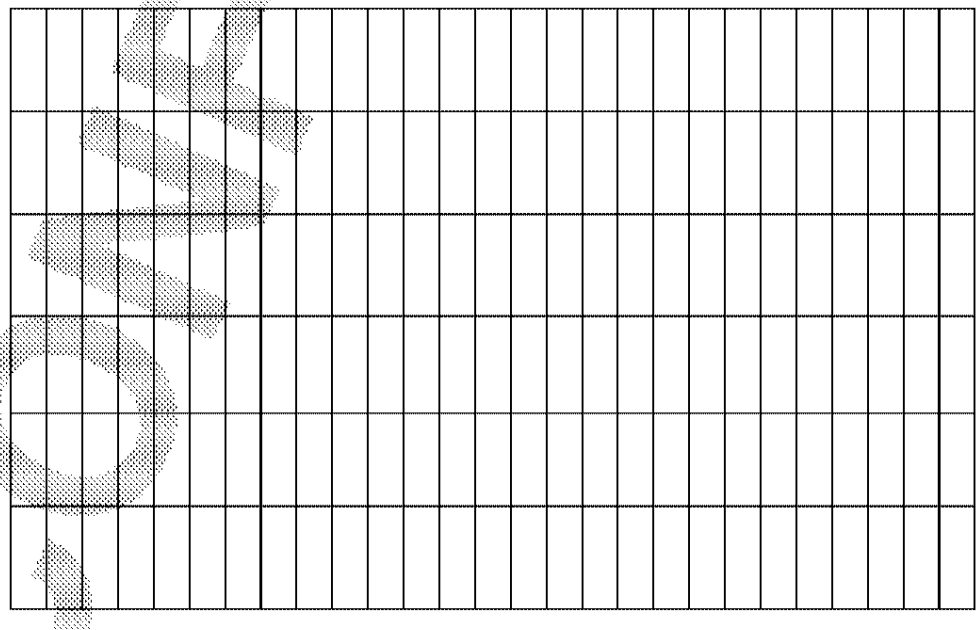

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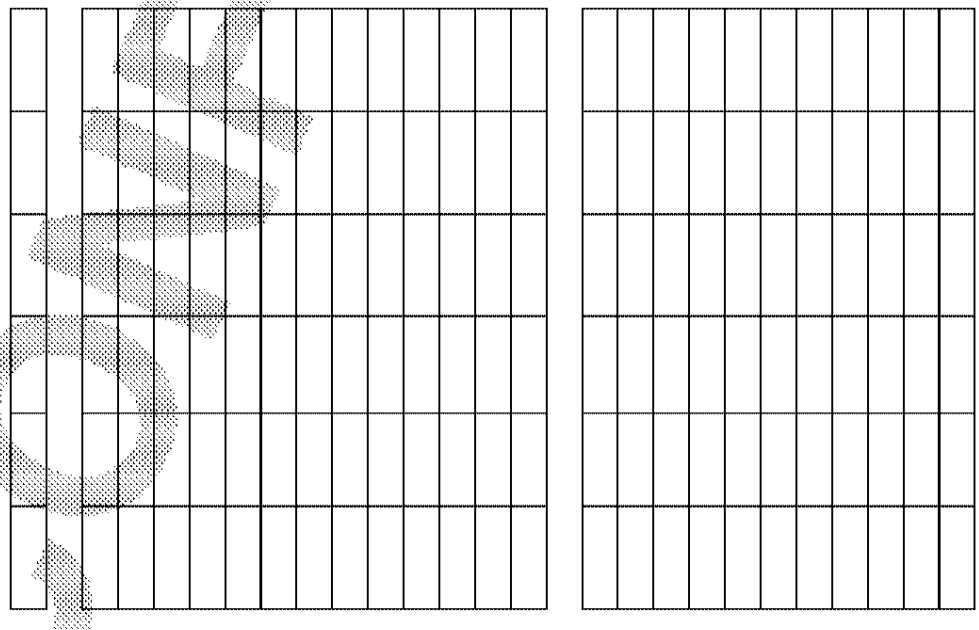

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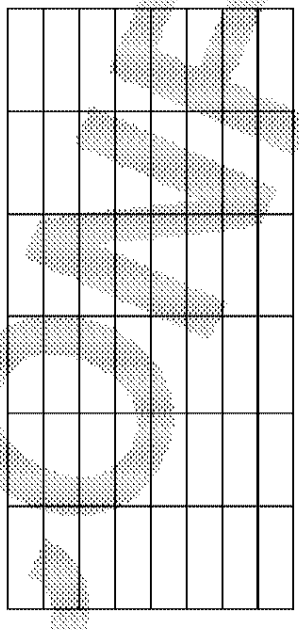

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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1165
	Total Rejected:	61
	Overall Reject Rate:	5.24

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	161	75	26				12		401	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0				0.0		0.0	
Test	Shot:	121	22	27				10		390	
	Rejected	38	15	6	0	0	0	0	0	1	0
	Percent:	31.4	68.2	22.2				0.0		0.3	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds									1	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	1									
CD	Case dented										
CH	Closes hard										

ILE00074599

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1		1							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up	1									
DLO	Doesn't lock open (after last shell)	1									
DLU	Doesn't lock-up	1									
DS	Dead safe										
DSM	Drops shell-magazine	2									
DTL	Doesn't trip latch		1								
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell	1									
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074600

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	1									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	6	11								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers	12									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	11									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber		3	5							
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007460

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

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Subject to Protective Order - Williams v. Remington

ILE0007460

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

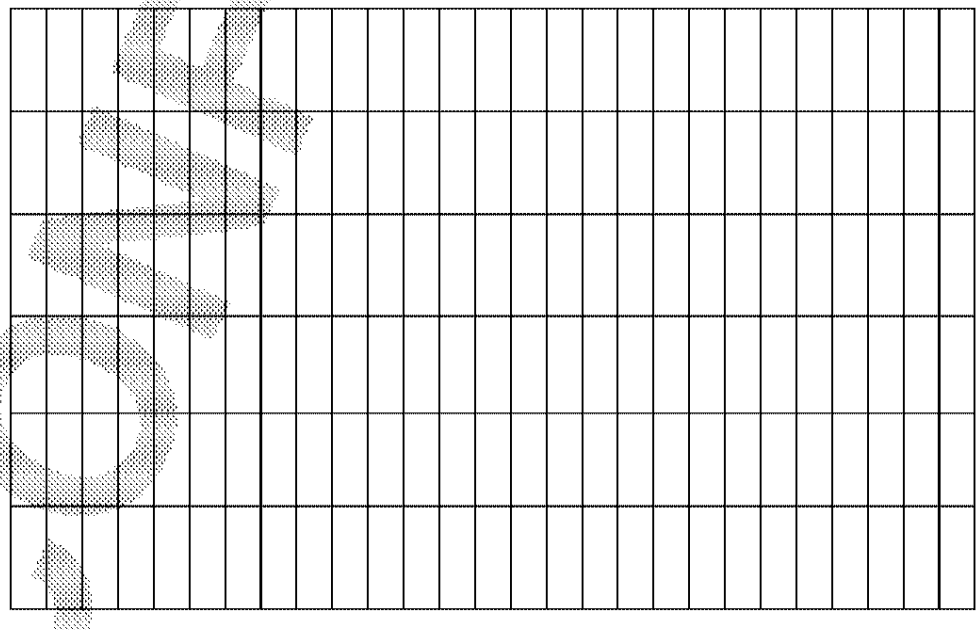
Test Date:

335		198		54	
1	*0*	*0*	*0*	*0*	*0*
0.3		*0.0*		*0.0*	
335		198		61	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
				25	
0	*0*	*0*	*0*	*0*	*0*
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074605

CONFIDENTIAL



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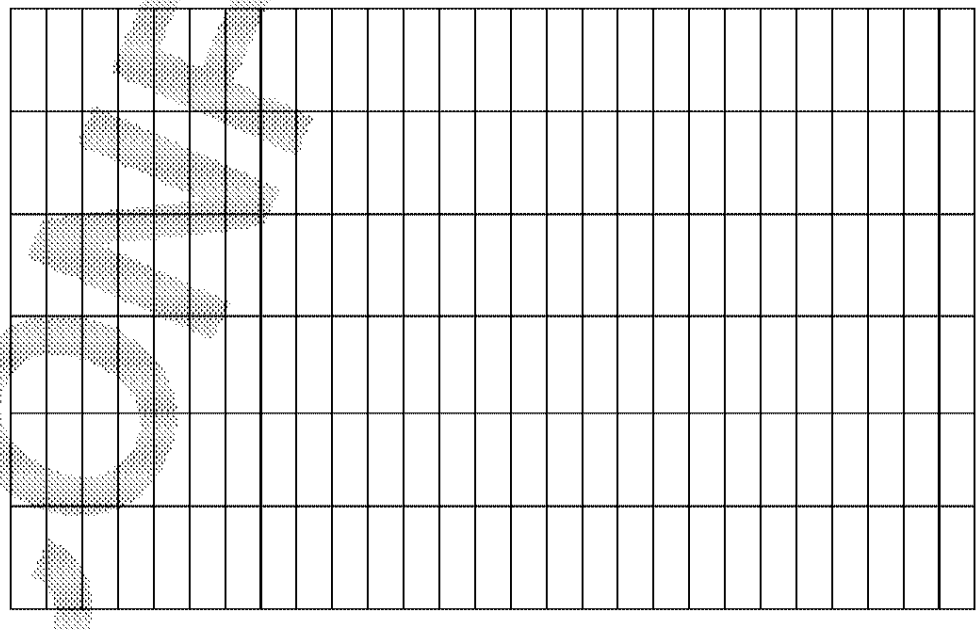

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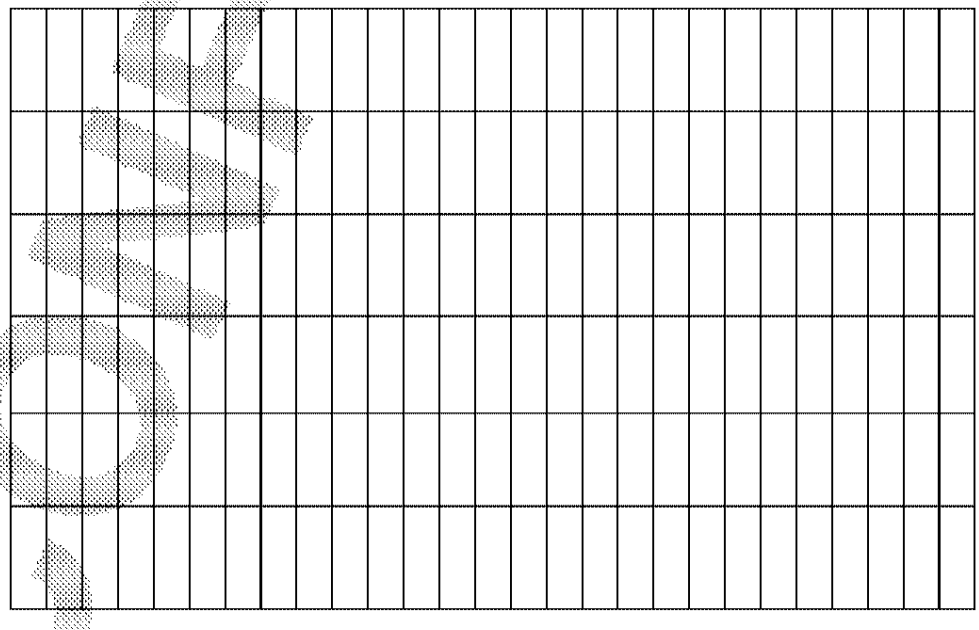

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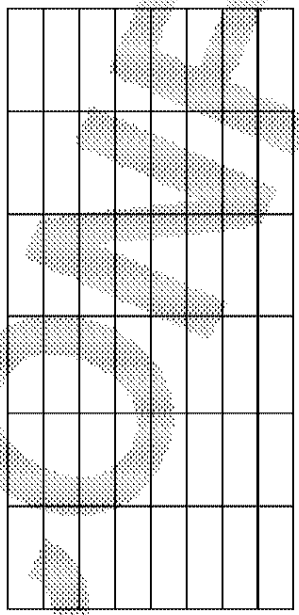

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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	159
	Total Rejected:	3
	Overall Reject Rate:	1.89

Proof	Shot:		12	83						68	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:		0.0	0.0						0.0	
Test	Shot:									68	
	Rejected	0	0	0	0	0	0	0	0	1	0
	Percent:									1.5	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE0007461

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor									1	
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007461

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007461

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074616

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Test Date:

91					
0	*0*	*0*	*0*	*0*	*0*
0.0					
91					
2	*0*	*0*	*0*	*0*	*0*
2.2					
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074617

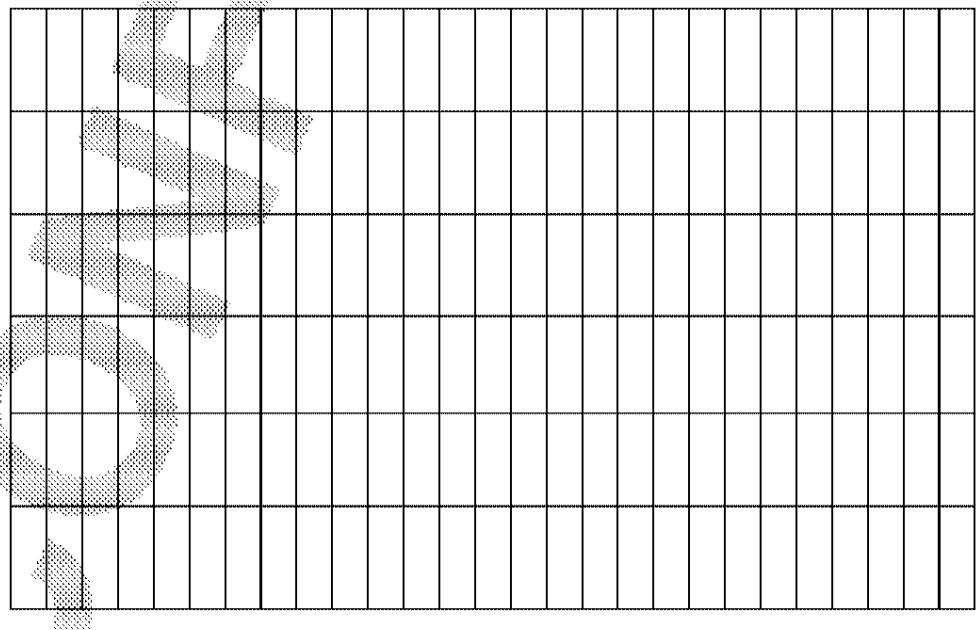
CONFIDENTIAL

Subject to Protective Order - Williams v. Remington

ILE00074618

CONFIDENTIAL

CONFIDENTIAL



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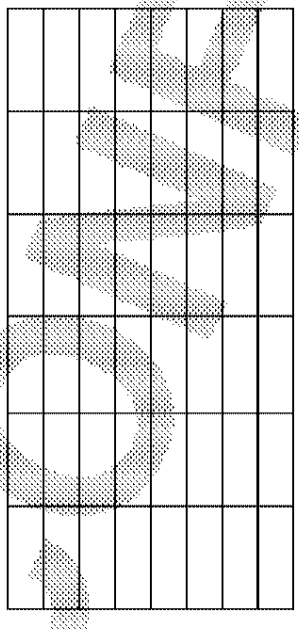
CONFIDENTIAL



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Summary		
	Total Test + Proof Failures	85
	Total Rejected:	4
	Overall Reject Rate:	4.71

Proof	Shot:			132							
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:			0.0							
Test	Shot:			85							
	Rejected	0	0	4	0	0	0	0	0	0	0
	Percent:			4.7							
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds			1							
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074623

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back			1							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch			1							
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor			1							
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007462

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074627

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074628

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

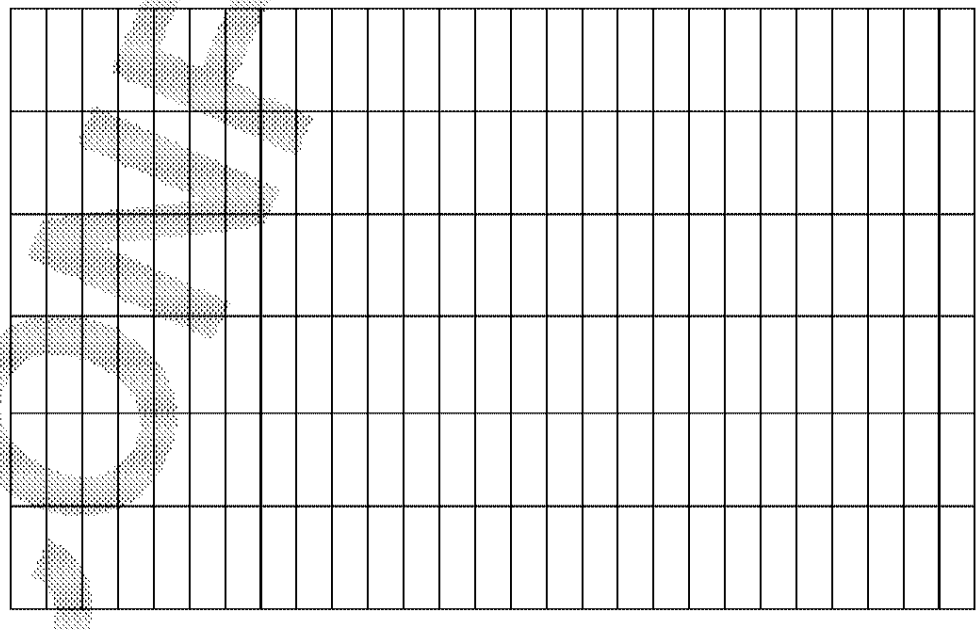
Test Date:

0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074629

CONFIDENTIAL



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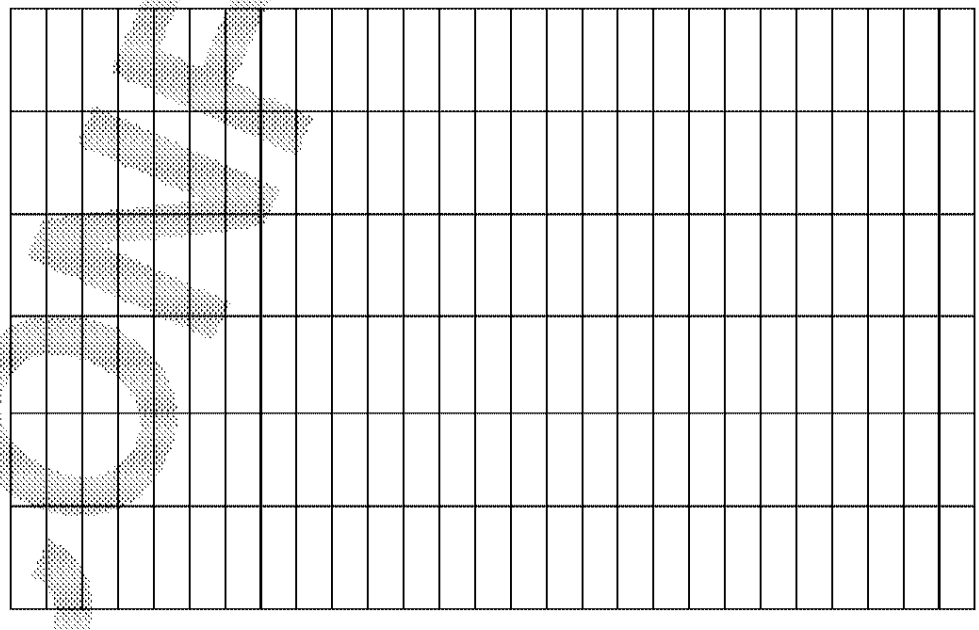

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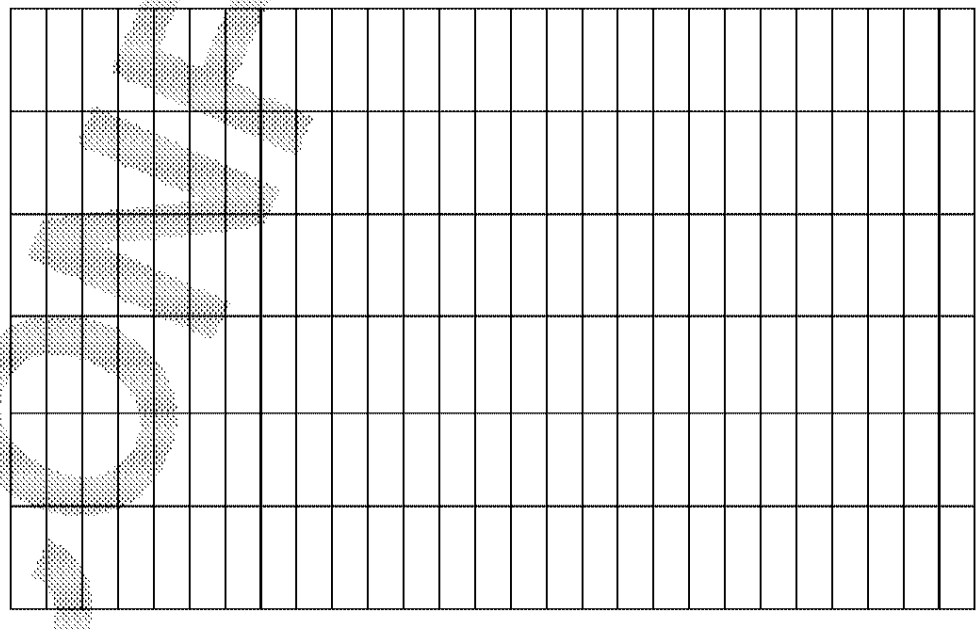

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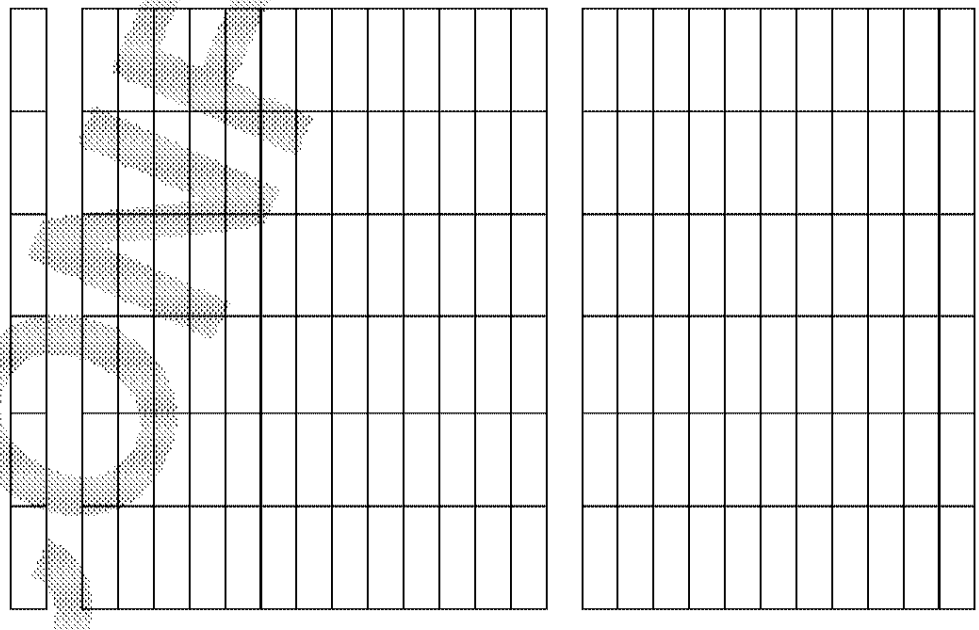

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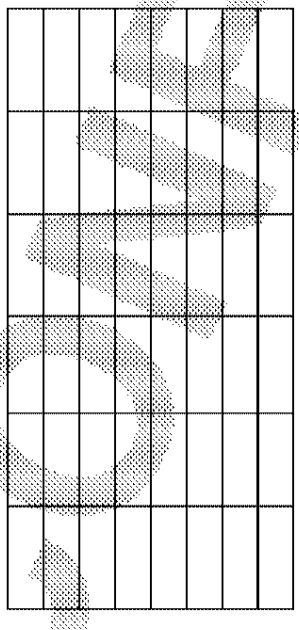

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CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1077
	Total Rejected:	68
	Overall Reject Rate:	6.31

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	112		70				107	21	495	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0		0.0				0.0	0.0	0.0	
Test	Shot:	134	21	23	3			130		495	
	Rejected	41	13	3	0	0	0	5	0	5	0
	Percent:	30.6	61.9	13.0	0.0			3.8		1.0	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds			1						1	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position									1	
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	1	1								
CD	Case dented										
CH	Closes hard										

ILE0007463

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1		1							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up	4									
DLO	Doesn't lock open (after last shell)							2			
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE0007463

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	6									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor									1	
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing		1								
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	4	11								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard			1							
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	1									
RIC	Rings in chamber										
SBC	Stems bottom chambers	20									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier	2									
STC	Stems top chamber							3		2	
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded	2									
XH	Extracts hard										

ILE0007463

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007463

Subject to Protective Order - Williams v. Remington

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007464C

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

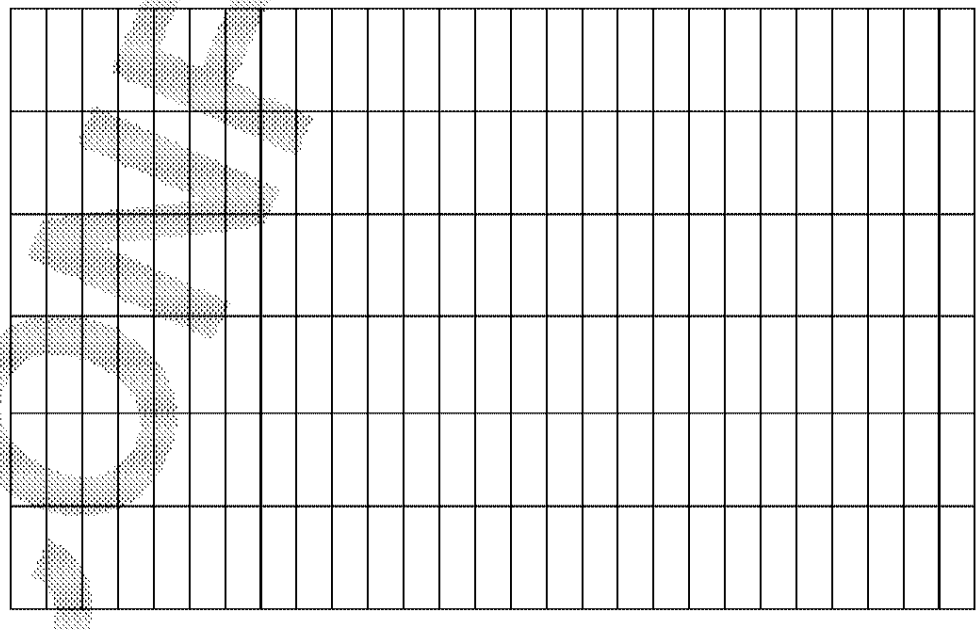
Test Date:

123		155		64	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
66		155		50	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
				15	
0	*0*	*0*	*0*	*1*	*0*
				6.7	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074641

CONFIDENTIAL



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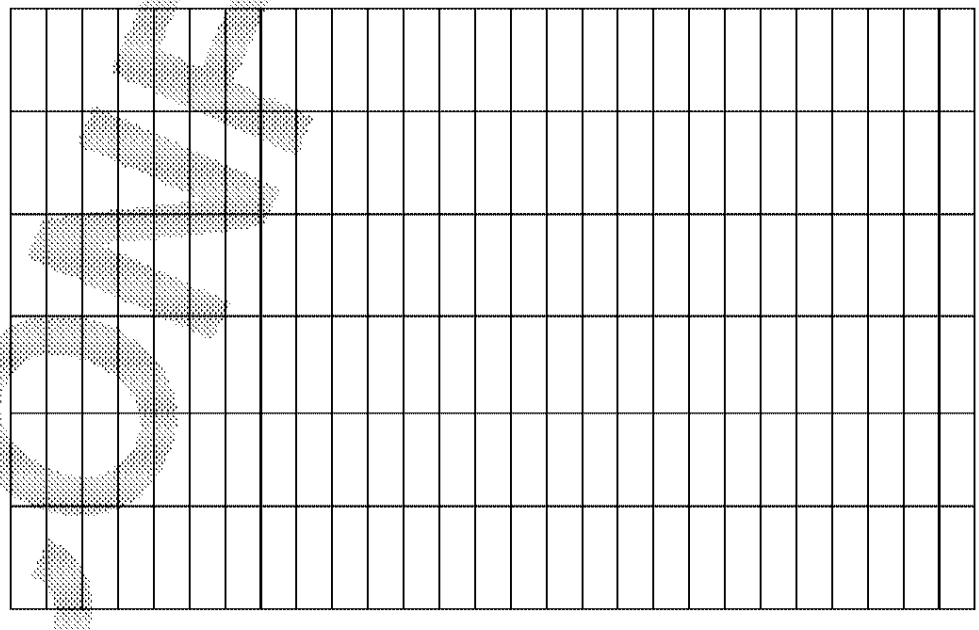

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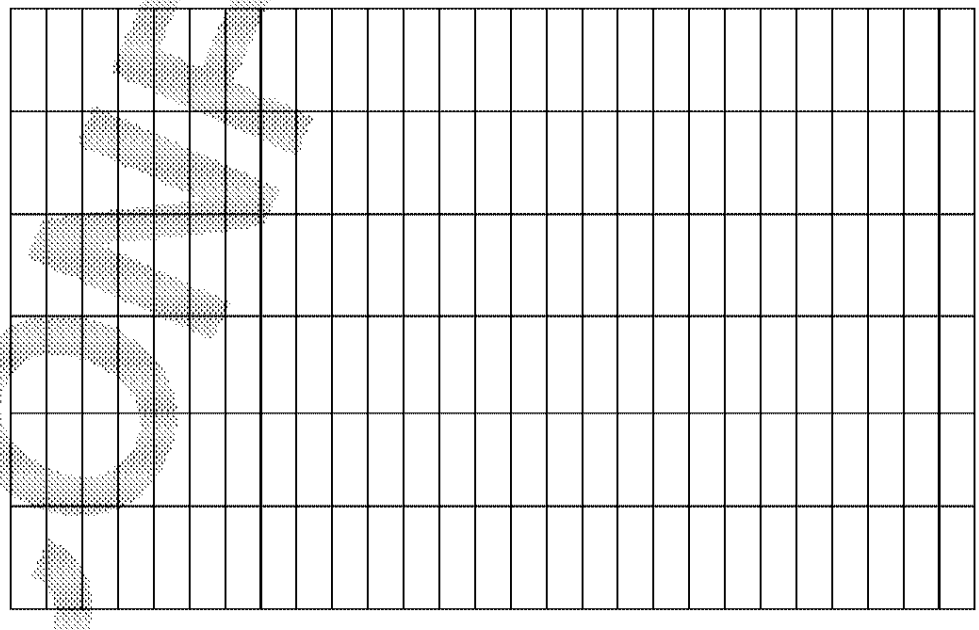

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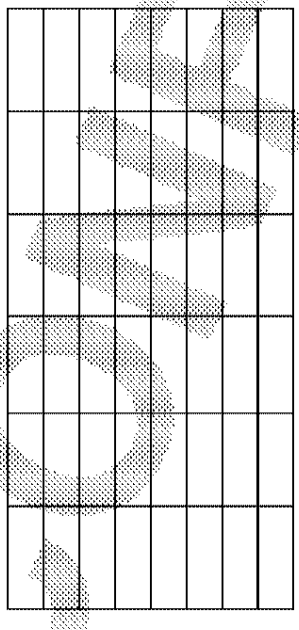
CONFIDENTIAL



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CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1023
	Total Rejected:	46
	Overall Reject Rate:	4.50

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	26	14							198	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0							0.0	
Test	Shot:	110	13	32						198	
	Rejected:	39	7	0	0	0	0	0	0	0	0
	Percent:	35.5	53.8	0.0						0.0	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds	1									
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074647

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1									
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	3									
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up	1									
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074648

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	4									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	5									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong	2									
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers	16									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier	4									
STC	Stems top chamber	2	7								
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007465

Subject to Protective Order - Williams v. Remington

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074652

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

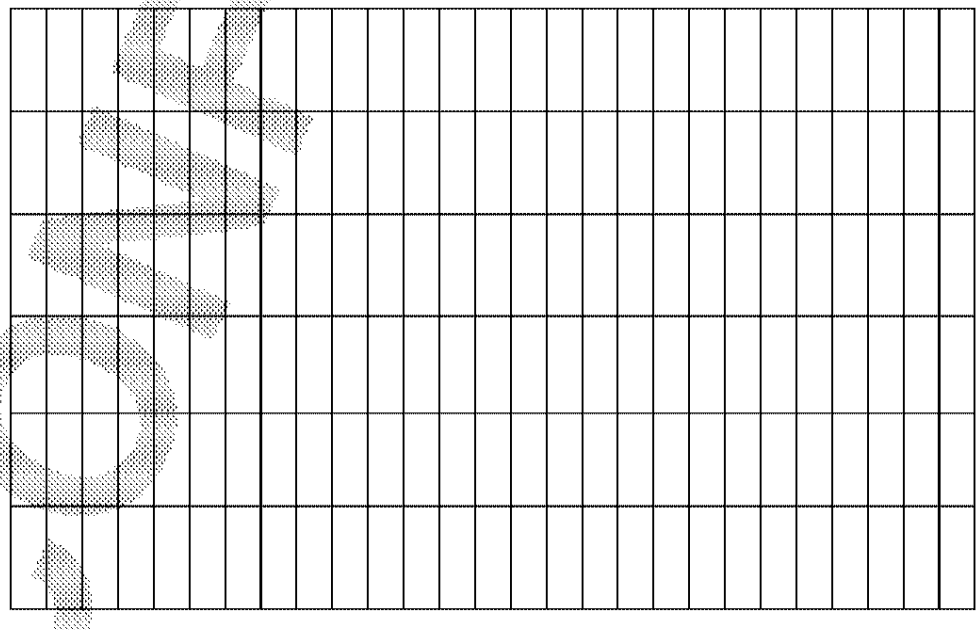
Test Date:

462		126		45	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
462		126		82	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074653

CONFIDENTIAL



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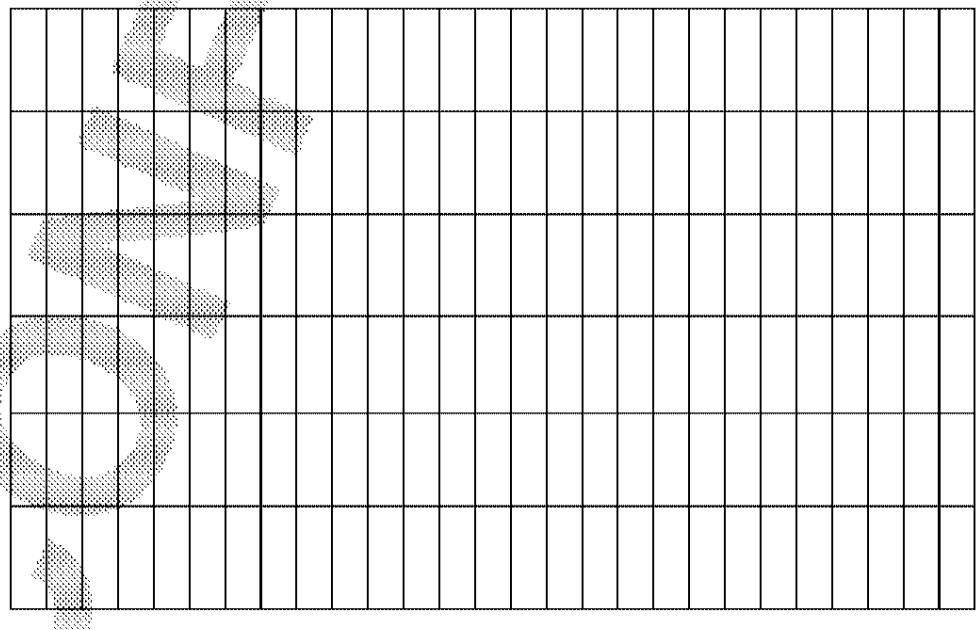

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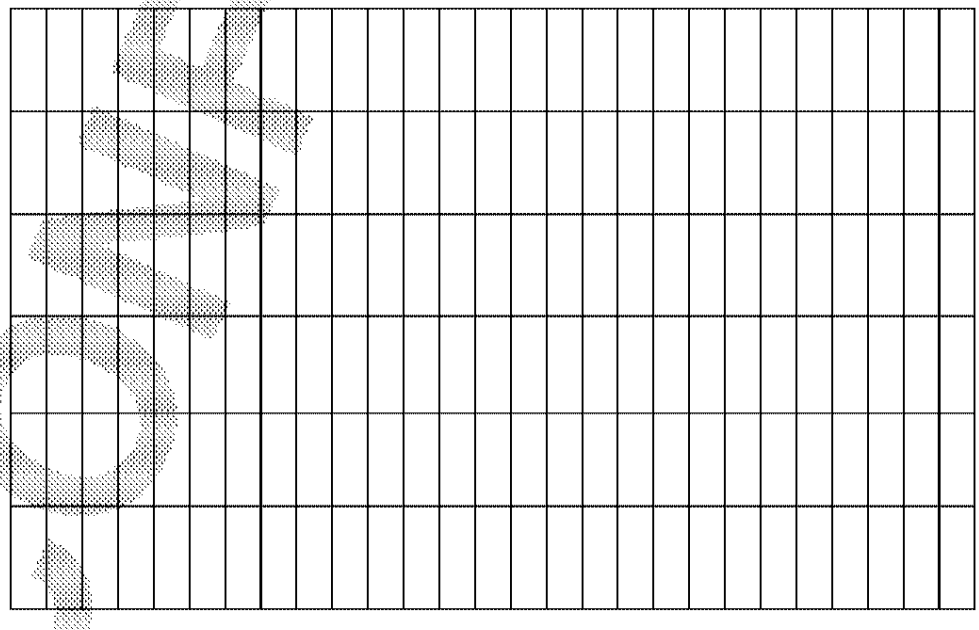

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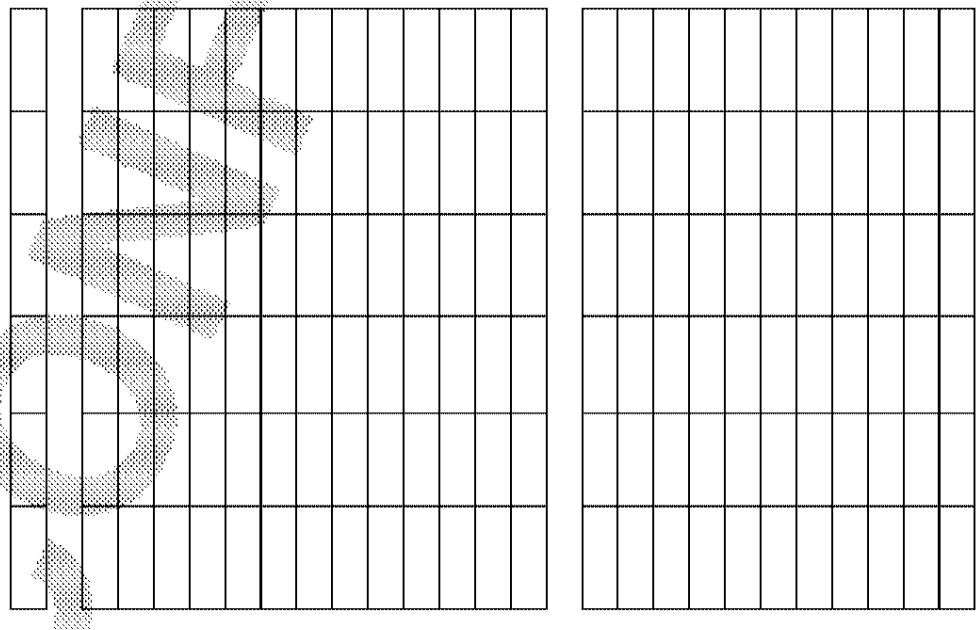

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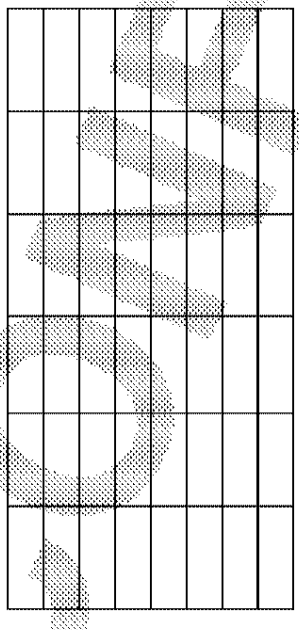

Subject to Protective Order - Williams v. Remington

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Summary		
	Total Test + Proof Failures	1165
	Total Rejected:	89
	Overall Reject Rate:	7.64

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	317	93	114	7				10	264	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0				0.0	0.0	
Test	Shot:	160	32	116						264	
	Rejected:	49	17	4	0	0	0	0	0	2	0
	Percent:	30.6	53.1	3.4						0.8	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074659

Subject to Protective Order: Williams v. Remington

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CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back			1							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up	1									
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up	1									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	1									
DTL	Doesn't trip latch	3		1							
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds									1	

ILE00074660

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	4	1								
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off	1									
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing		1								
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	16	14	1							
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong	1									
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard									1	
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE00074661

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work		1	1							
RIC	Rings in chamber										
SBC	Stems bottom chambers	19									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier	2									
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

ILE00074662

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074663

Subject to Protective Order - Williams v. Remington

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

CONFIDENTIAL

ILE0007466

Subject to Protective Order - Williams v. Remington

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Test Date:

479		112		76	11
0	0	2	0	0	0
0.0		1.8		0.0	
479		112			
0	0	3	0	0	0
0.0		2.7			
				12	
0	0	0	0	12	0
				100.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U
		1			

ILE00074665

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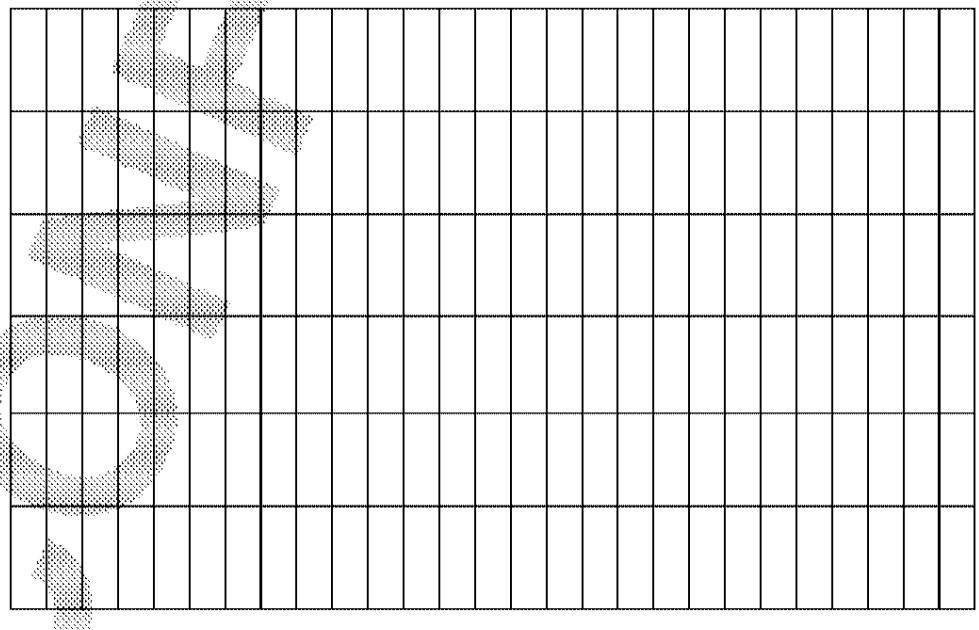

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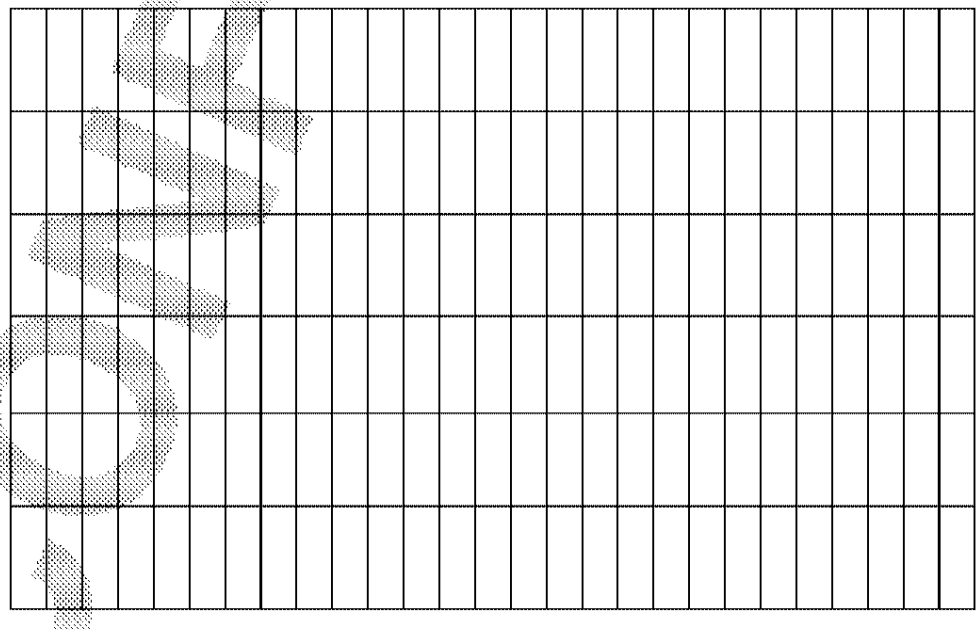

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Summary		
	Total Test + Proof Failures	1323
	Total Rejected:	70
	Overall Reject Rate:	5.29

Proof	Shot:	40	139	25	73			18	5	224	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0			0.0	0.0	0.0	
Test	Shot:	134	234	17				63		224	
	Rejected	46	11	0	0	0	0	3	0	0	0
	Percent:	34.3	4.7	0.0				4.8		0.0	
Target	Shot:		15	15							
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:		0.0	0.0							

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074671

Subject to Protective Order: Williams v. Remington

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CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1									
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	2									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	4									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	1									
DTL	Doesn't trip latch	6									
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	2									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor		2								
ILOP	Int. latch out of position	1									
ILRM	Int. latch ret. Missing		2								
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	7	7								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong	1									
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	1									
RIC	Rings in chamber										
SBC	Stems bottom chambers	15						3			
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	4									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier	1									
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007467

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074676

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

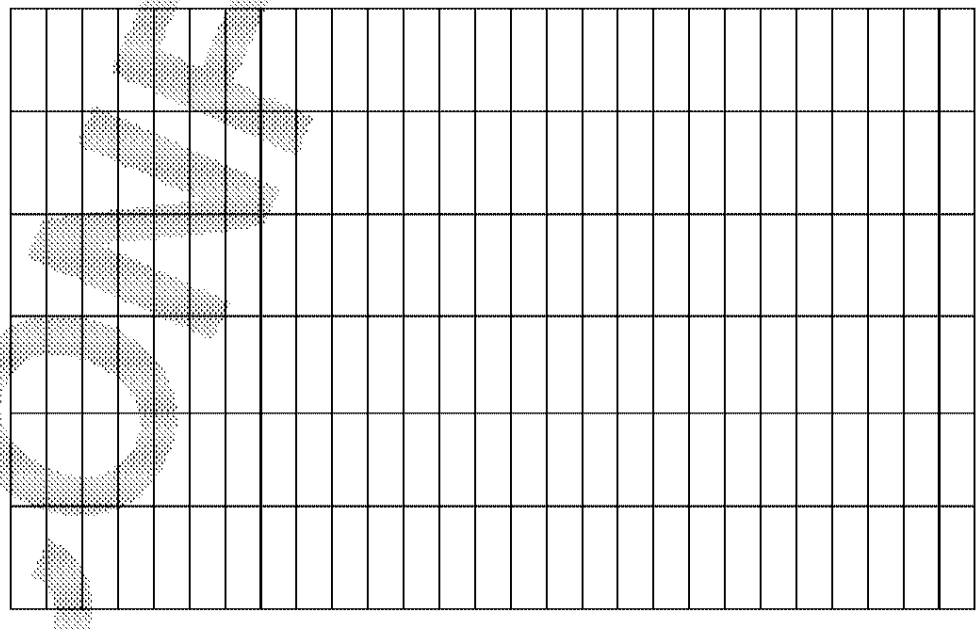
Test Date:

398		183		95	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
398		183		70	
1	*0*	*0*	*0*	*0*	*0*
0.3		*0.0*		*0.0*	
				64	
0	*0*	*0*	*0*	*9*	*0*
				14.1	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U
1					

ILE00074677

CONFIDENTIAL



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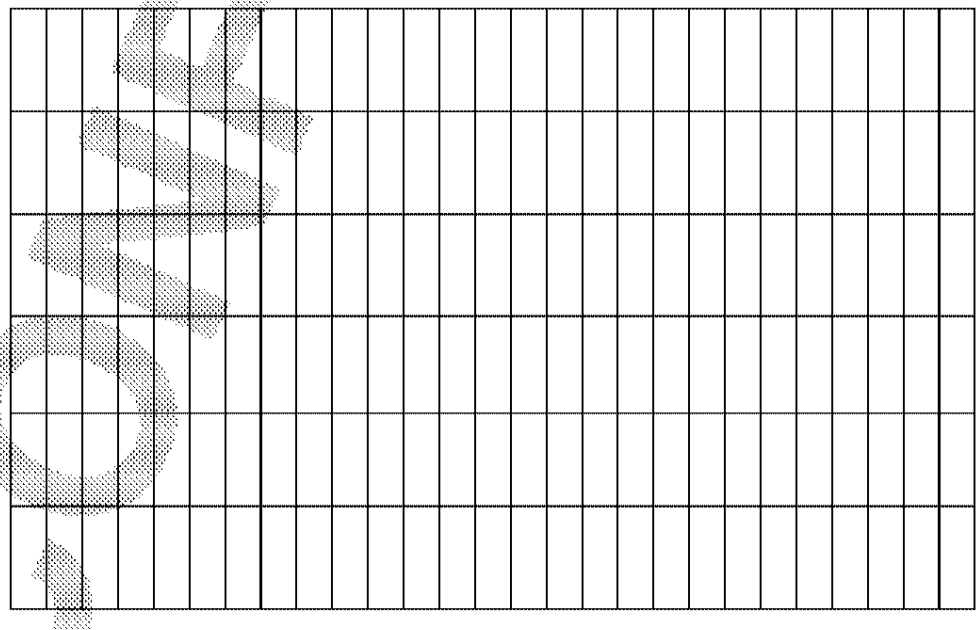

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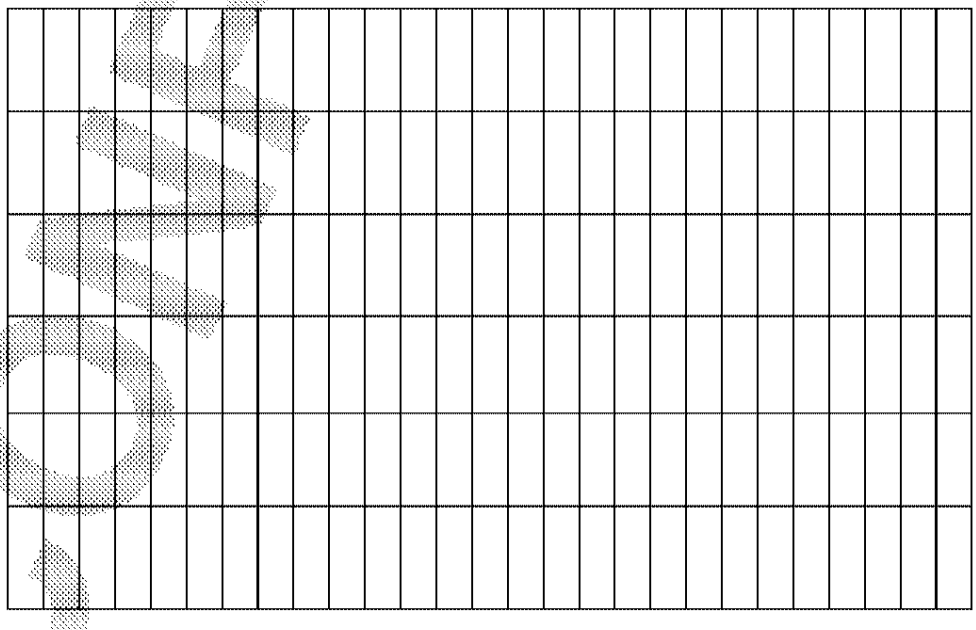

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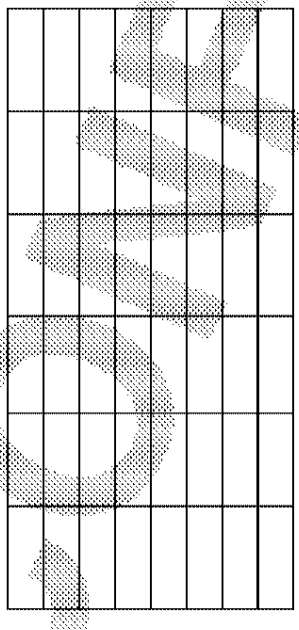

Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	888
	Total Rejected:	13
	Overall Reject Rate:	1.46

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	65	176						10	377	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0						0.0	0.0	
Test	Shot:	39	121							377	
	Rejected	6	4	0	0	0	0	0	0	0	0
	Percent:	15.4	3.3							0.0	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074683

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1									
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch		2								
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

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FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	5	2								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074688

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

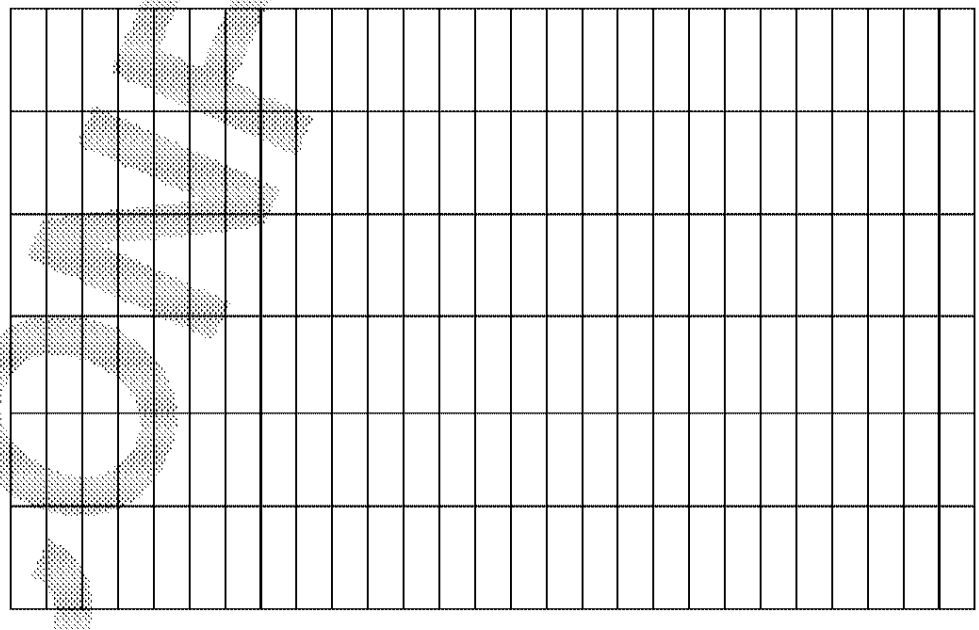
Test Date:

267		84		80	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
267		84			
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*			
				101	
0	*0*	*0*	*0*	*3*	*0*
				3.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074689

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

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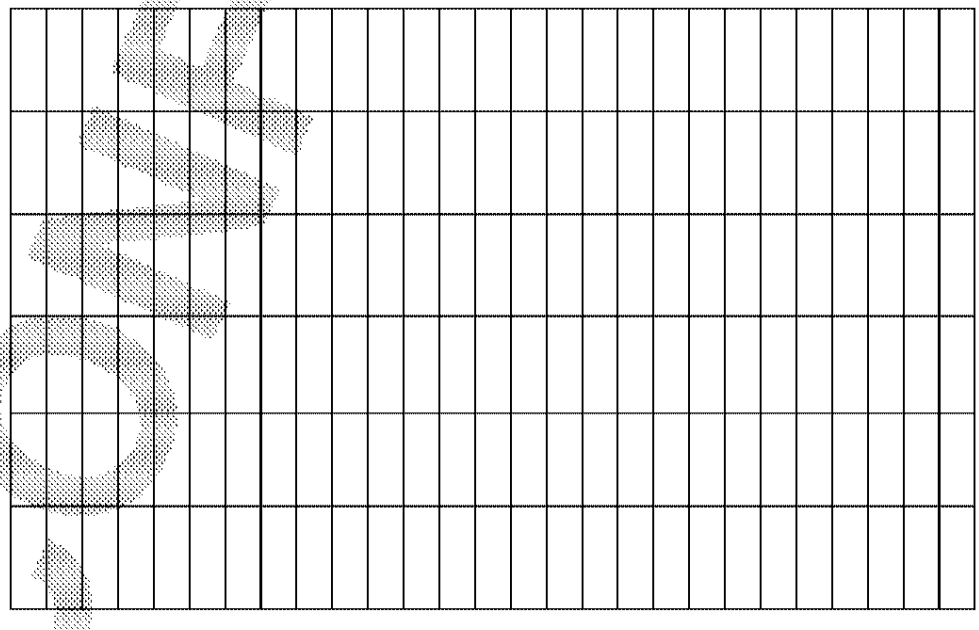
Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



CONFIDENTIAL

CONFIDENTIAL

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	382
	Total Rejected:	11
	Overall Reject Rate:	2.88

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	82			55					213	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0			0.0					0.0	
Test	Shot:	31	2		40					213	
	Rejected	4	0	0	2	0	0	0	0	0	0
	Percent:	12.9	0.0		5.0					0.0	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074695

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1									
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject				1						
DEL	Doesn't eject live round										
DFU	Doesn't feed up	2									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074696

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	1									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch				1						
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE00074697

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074699

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007470

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Test Date:

		101		8	
0	0	0	0	0	0
		0.0		0.0	
		96			
0	0	5	0	0	0
		5.2			
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

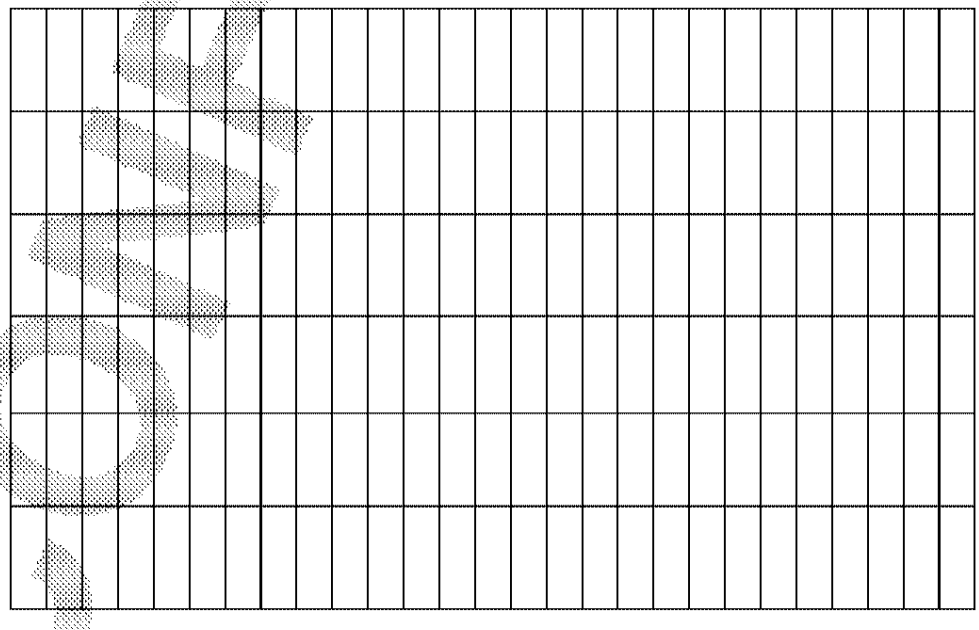
ILE00074701

CONFIDENTIAL

Subject to Protective Order - Williams v. Remington

ILE00074702

CONFIDENTIAL



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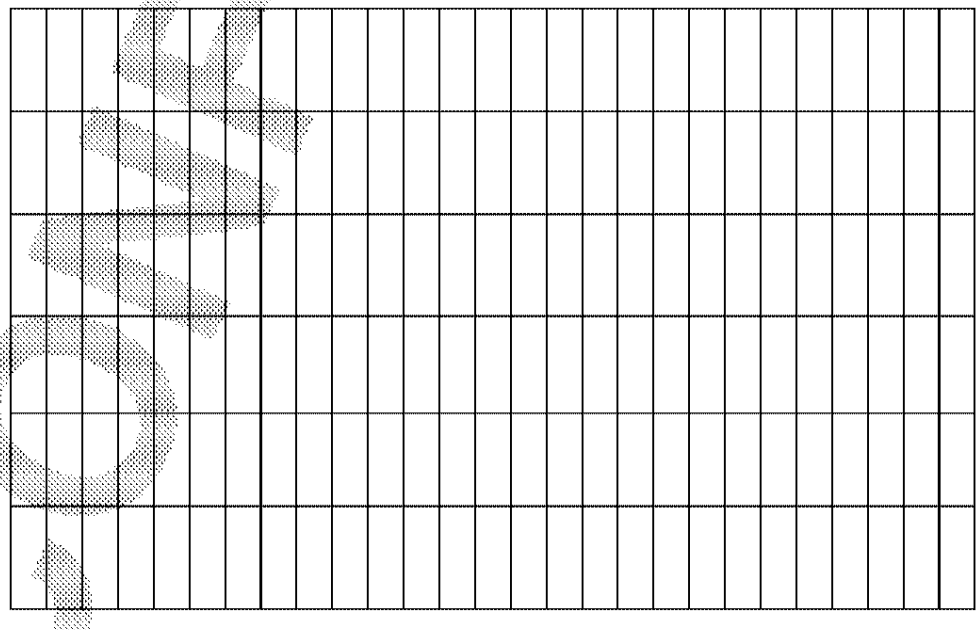

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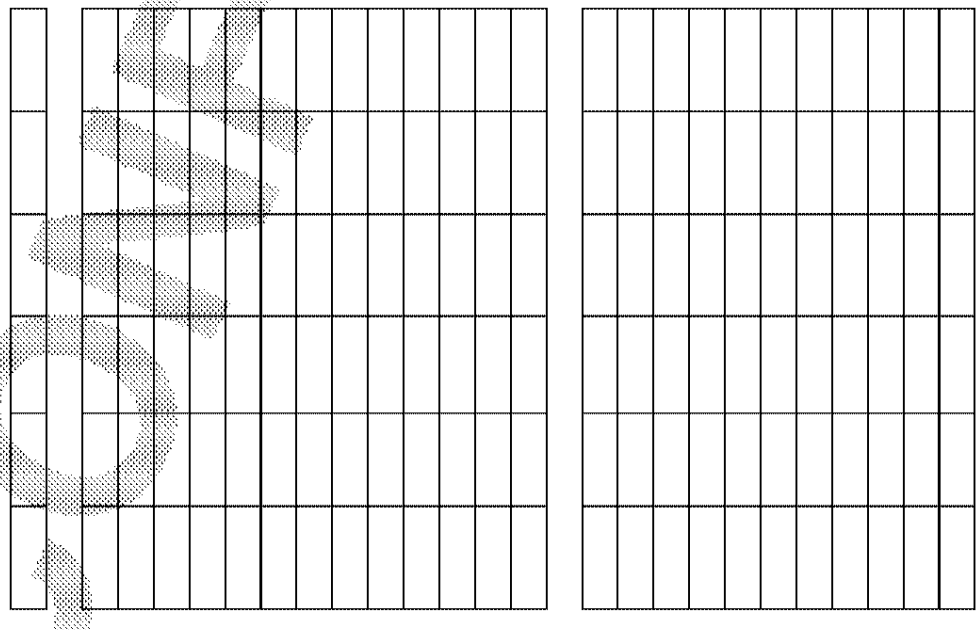

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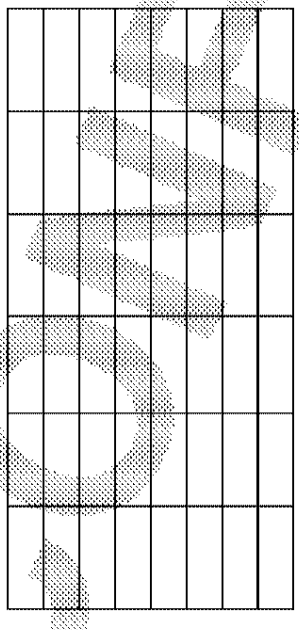
CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074707

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074708

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE00074709

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007471

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

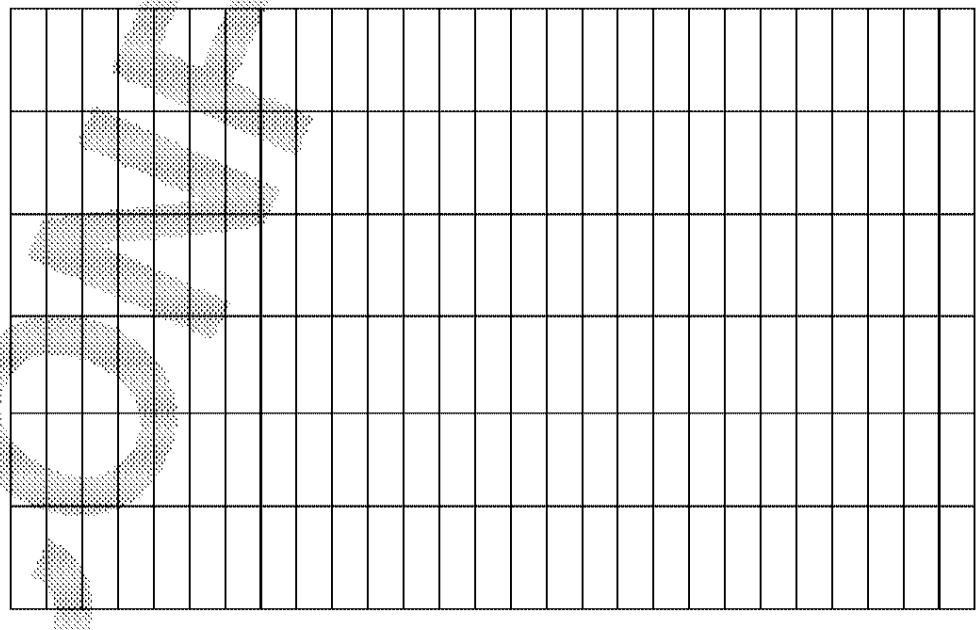
Test Date:

0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074713

CONFIDENTIAL



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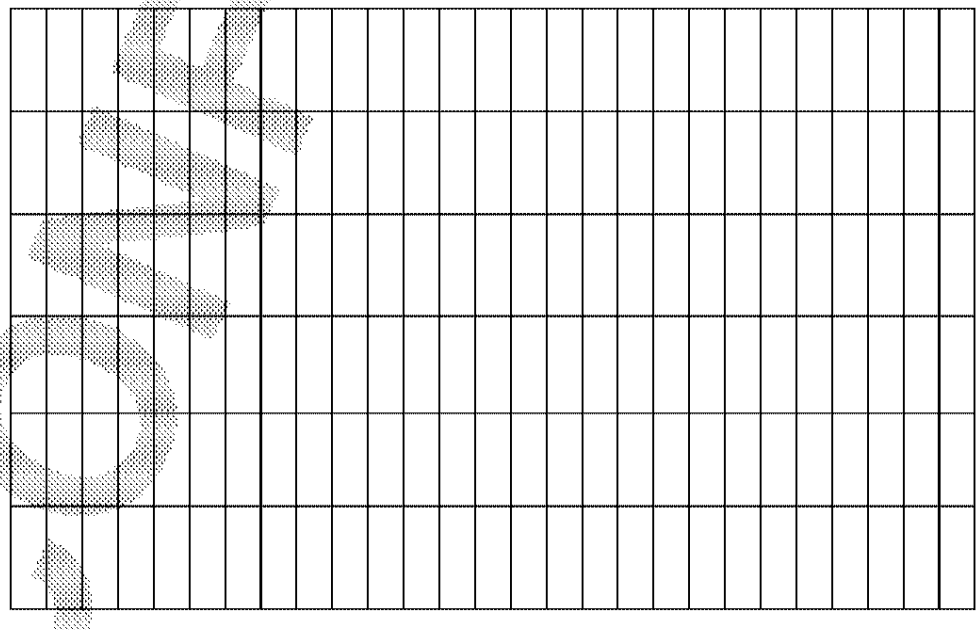

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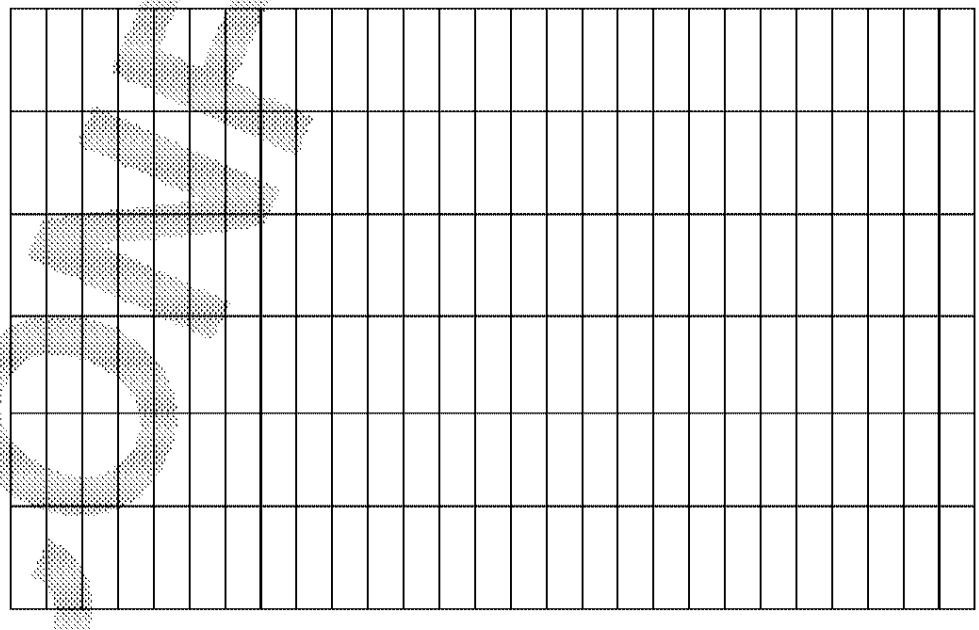

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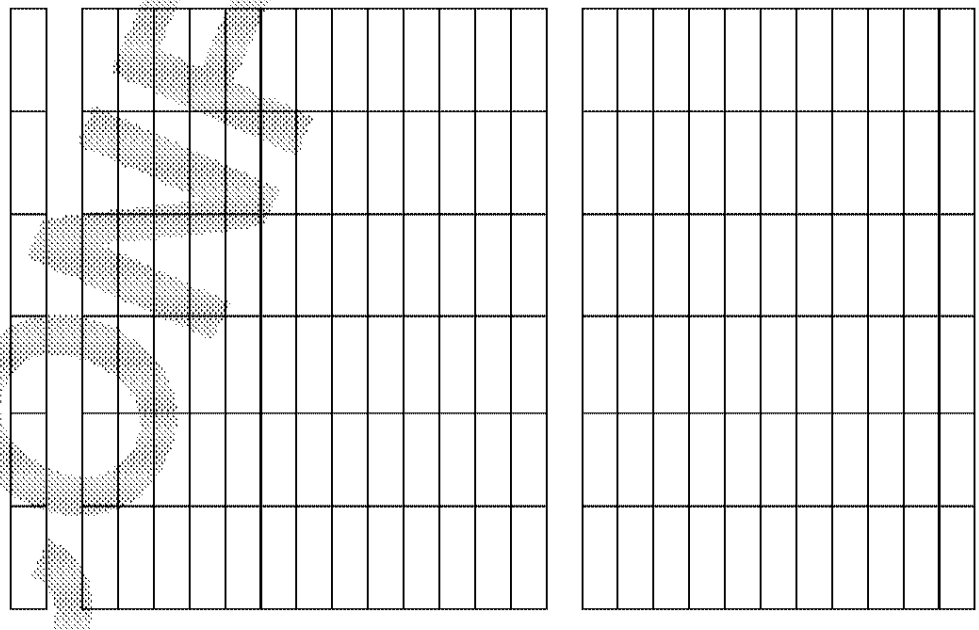


Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1414
	Total Rejected:	70
	Overall Reject Rate:	4.95

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	99	223	13	10			46		561	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0			0.0		0.0	
Test	Shot:	91	273	13	20			46		561	
	Rejected:	34	25	2	5	0	0	0	0	2	0
	Percent:	37.4	9.2	15.4	25.0			0.0		0.4	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	1									
CD	Case dented										
CH	Closes hard										

ILE00074719

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine									1	
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	3	1	1	1						
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject		1								
DEL	Doesn't eject live round										
DFU	Doesn't feed up	5	3								
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	1									
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell	1									
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074720

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	4	4								
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor	1									
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	1	1		2						
JO	Jars off										
LB	Light blow		1								
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard				1					1	
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work		1	1	1						
RIC	Rings in chamber										
SBC	Stems bottom chambers	9	1								
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	8									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber		12								
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074723

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074724

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Test Date:

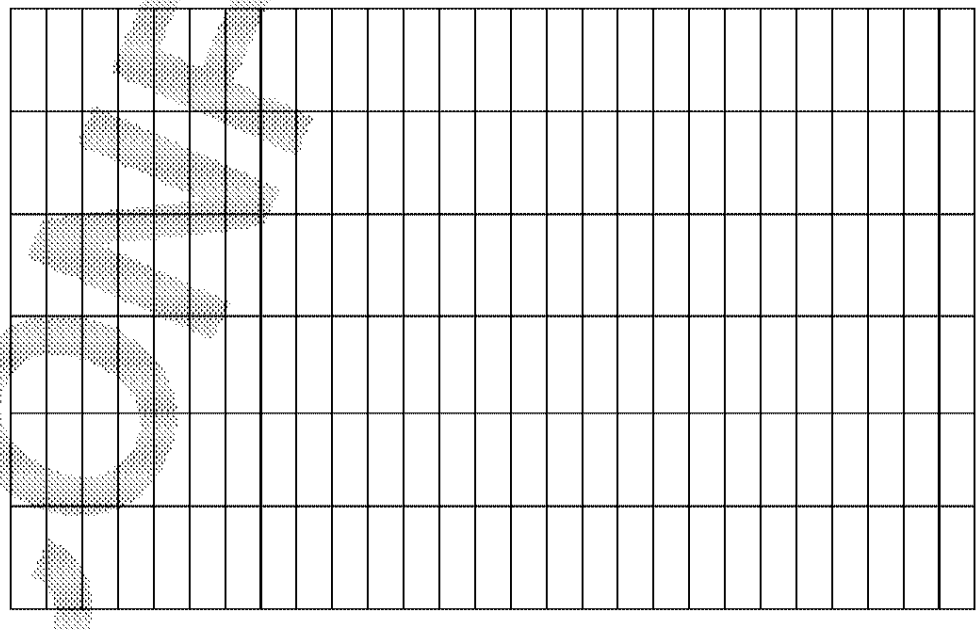
187		169		20	
0	0	0	0	0	0
0.0		0.0		0.0	
187		169		54	
0	0	0	0	1	0
0.0		0.0		1.9	
				41	
0	0	0	0	1	0
				2.4	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074725

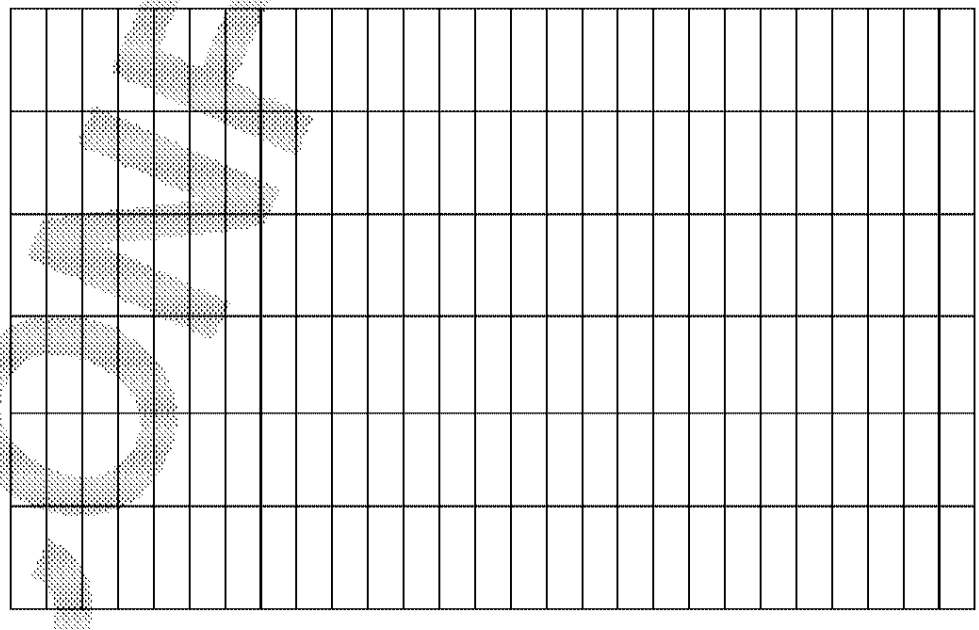
CONFIDENTIAL

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



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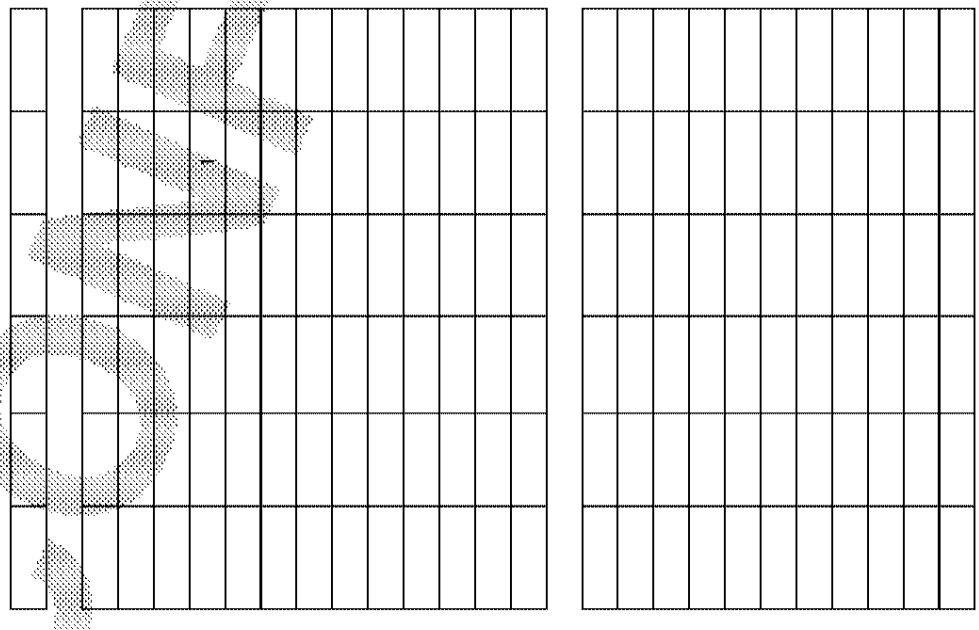

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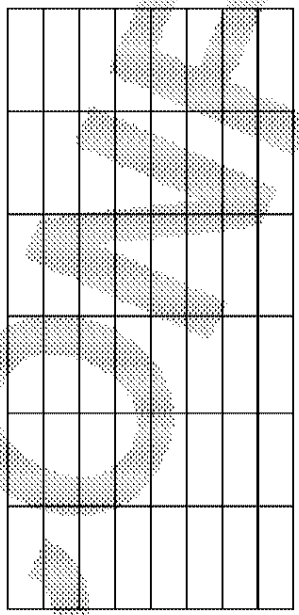


Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1130
	Total Rejected:	53
	Overall Reject Rate:	4.69

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	13	136	21	105					445	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0					0.0	
Test	Shot:	96	175	22	84					445	
	Rejected	37	9	2	4	0	0	0	0	1	0
	Percent:	38.5	5.1	9.1	4.8					0.2	
Target	Shot:		9								
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:		0.0								

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE0007473

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1			2						
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up		1								
DE	Doesn't eject	1									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	3									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch	1									
DX	Doesn't extract	2									
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	2									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	7	5								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard	5								1	
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work	2									
RIC	Rings in chamber										
SBC	Stems bottom chambers	13			2						
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber		1								
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber		2	2							
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074736

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

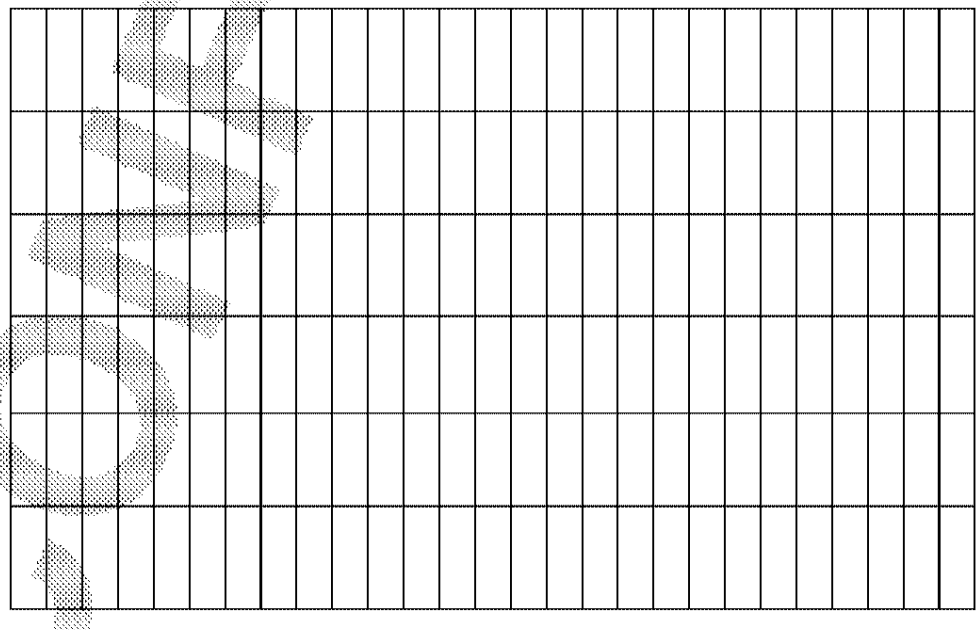
Test Date:

144		84		73	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
144		84		80	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074737

CONFIDENTIAL



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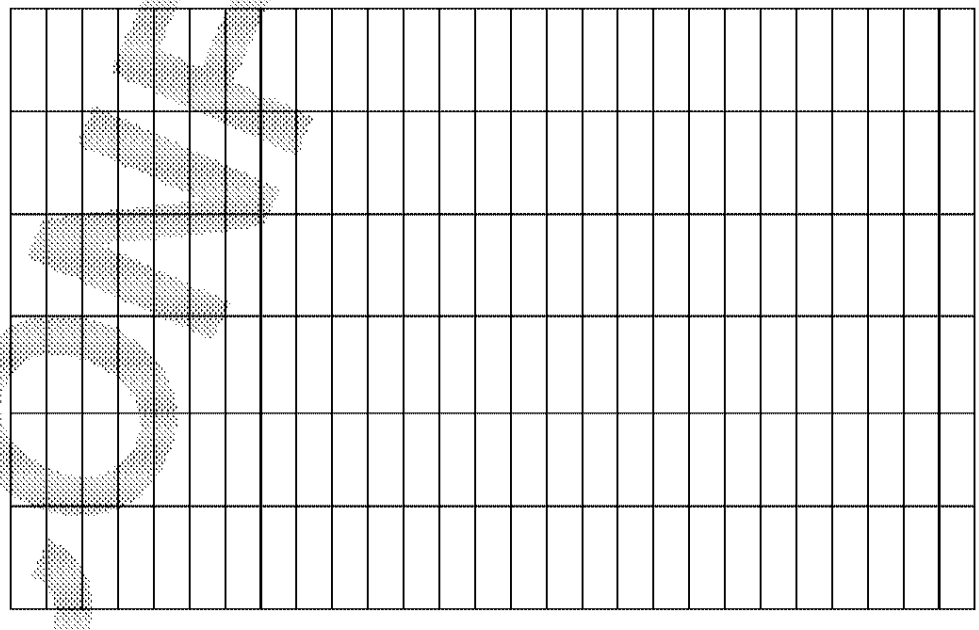

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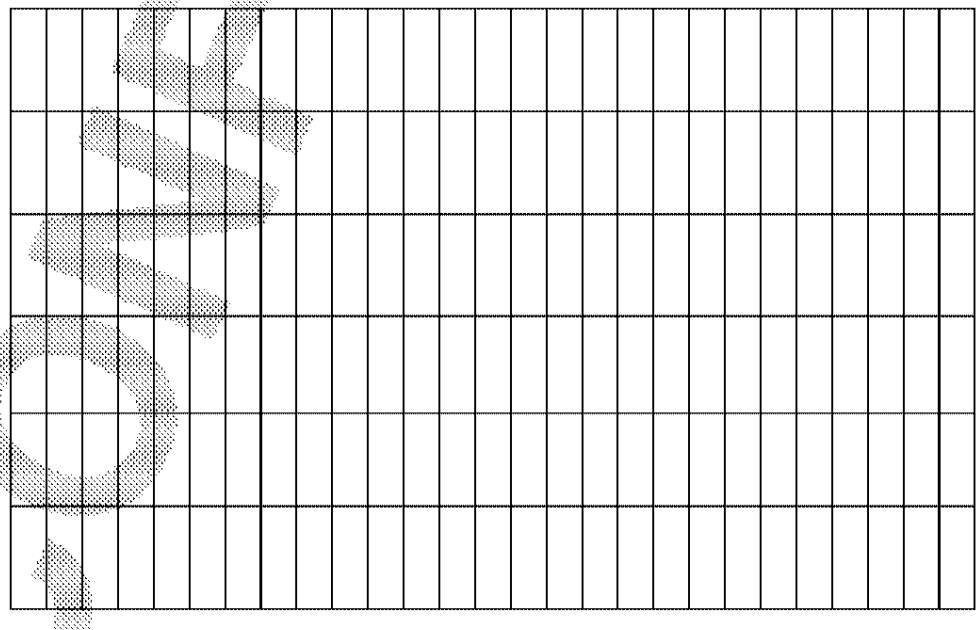

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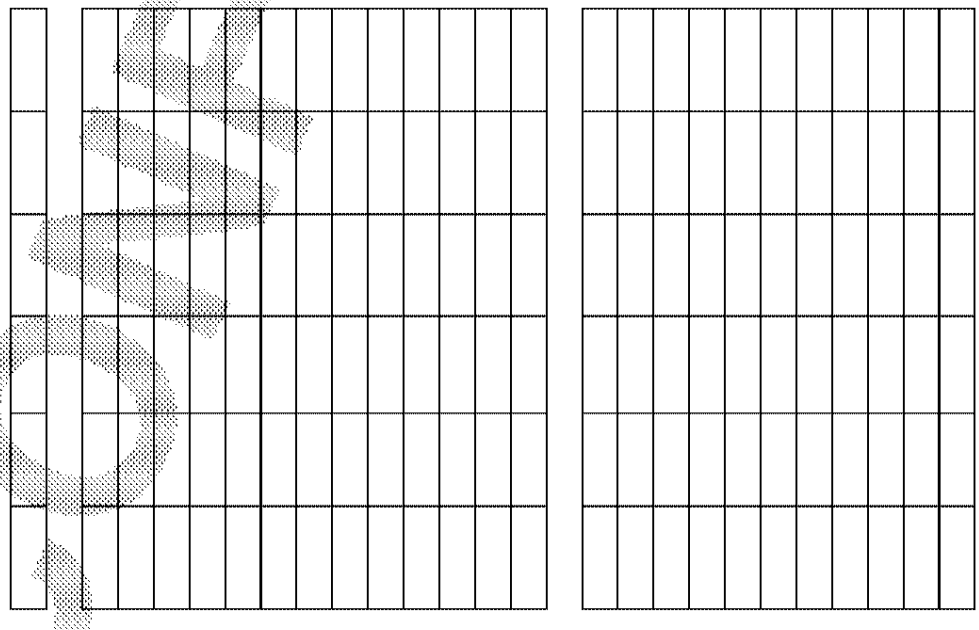

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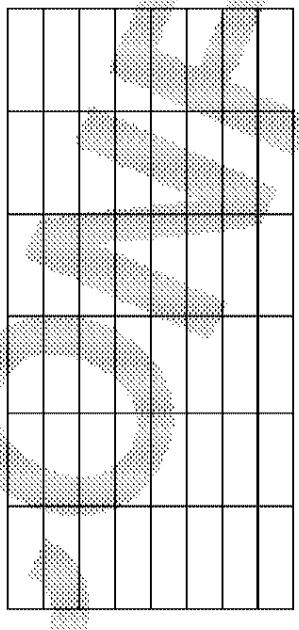
CONFIDENTIAL



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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	916
	Total Rejected:	40
	Overall Reject Rate:	4.37

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	53	111	9	15					389	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0					0.0	
Test	Shot:	92	117		23					389	
	Rejected	29	5	0	2	0	0	0	0	1	0
	Percent:	31.5	4.3		8.7					0.3	
Target	Shot:									3	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:									0.0	

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074743

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine		1								
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	1									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	2									
DLO	Doesn't lock open (after last shell)				1						
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine	1									
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	8	1								
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	6									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers	7			1						
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber	4	3								
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

ILE0007746

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074747

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE0007748

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

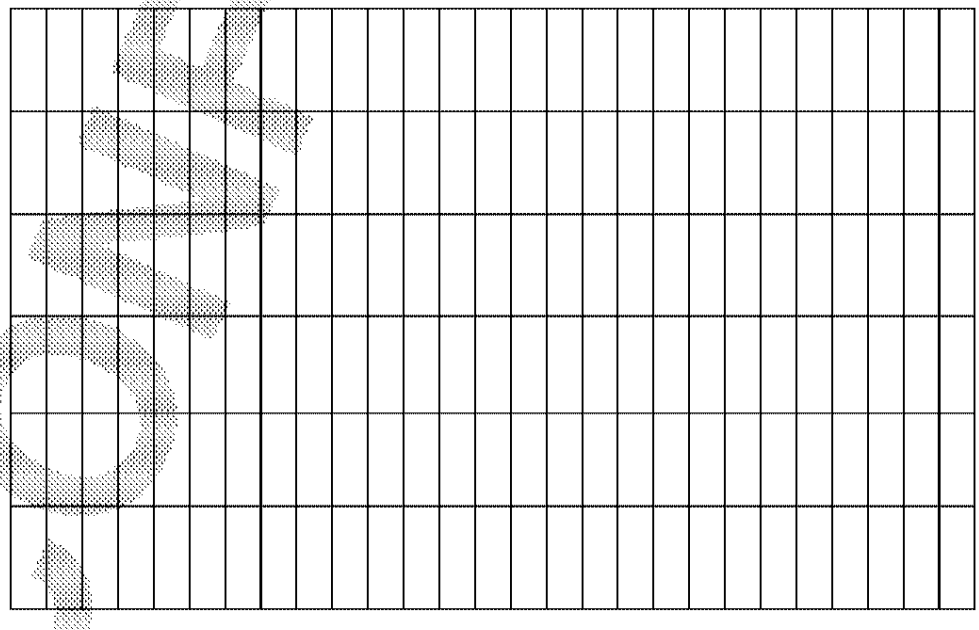
Test Date:

144		98		117	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
122		98		75	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
				69	
0	*0*	*0*	*0*	*3*	*0*
				4.3	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074749

CONFIDENTIAL



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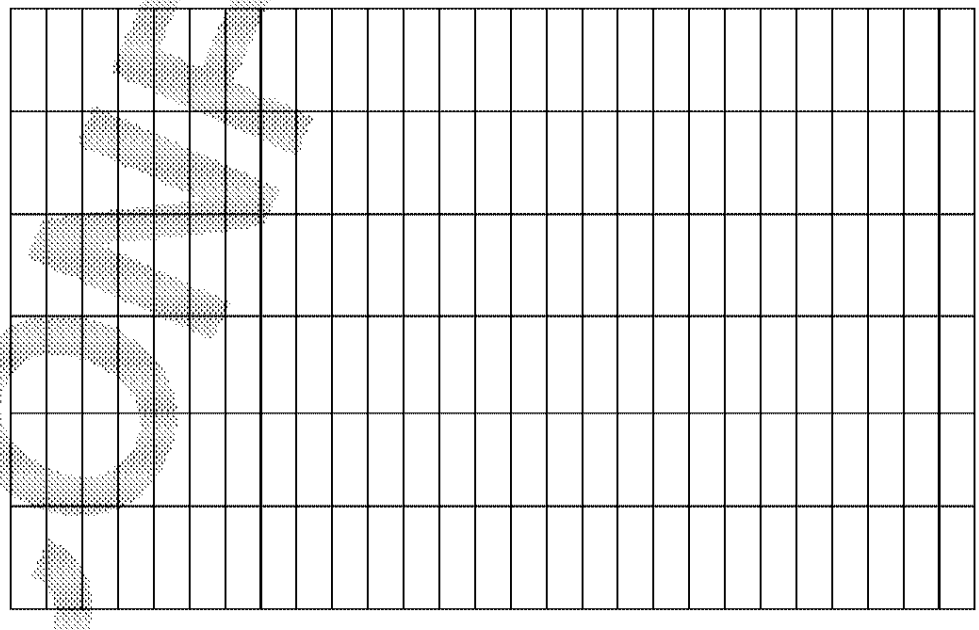

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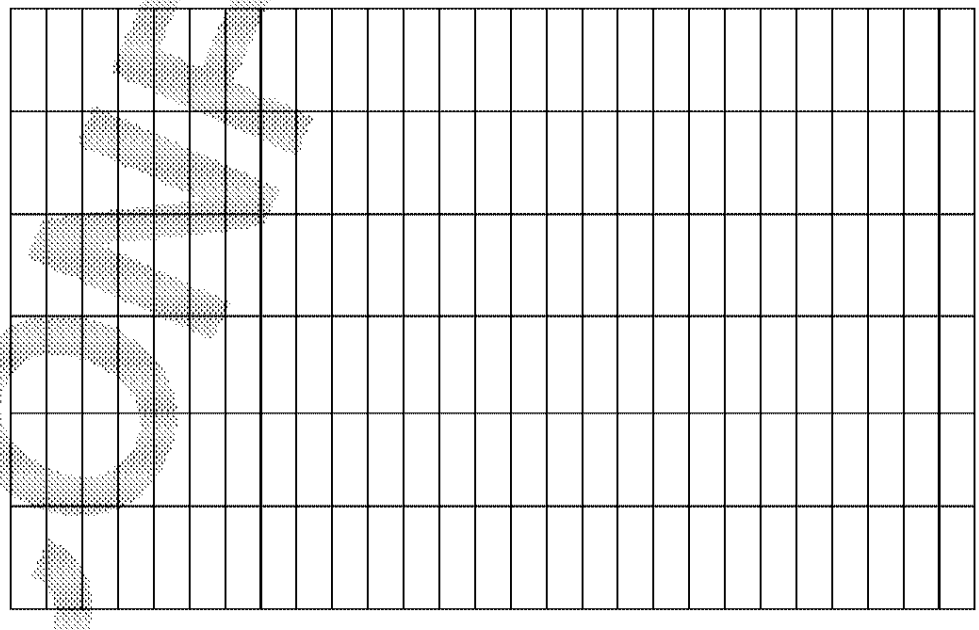
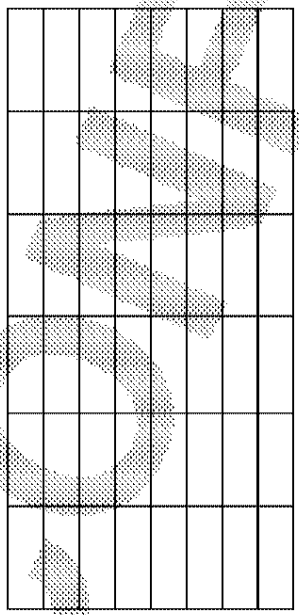


CONFIDENTIAL

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074755

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007475

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074760

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

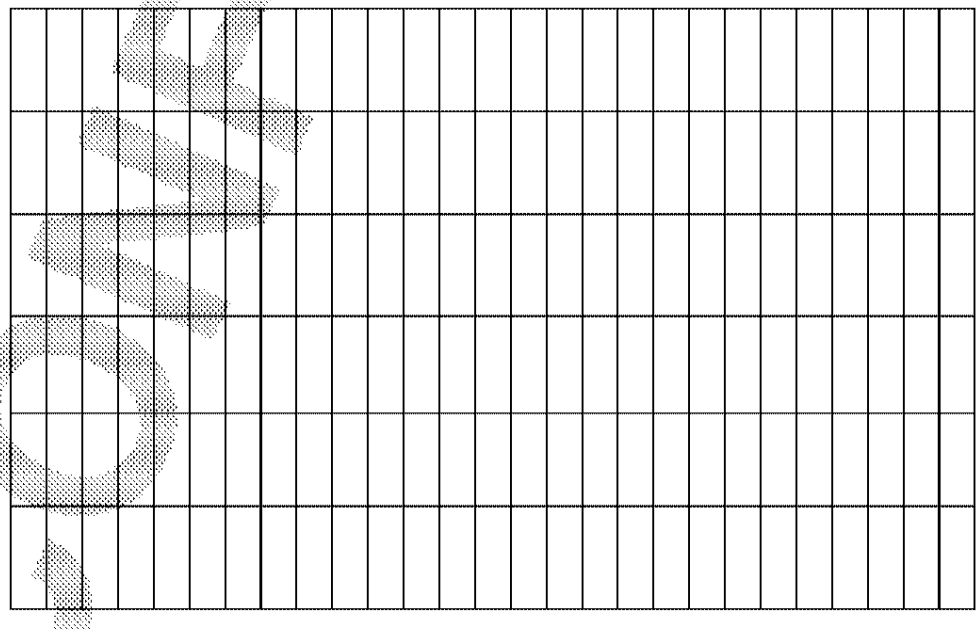
Test Date:

0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

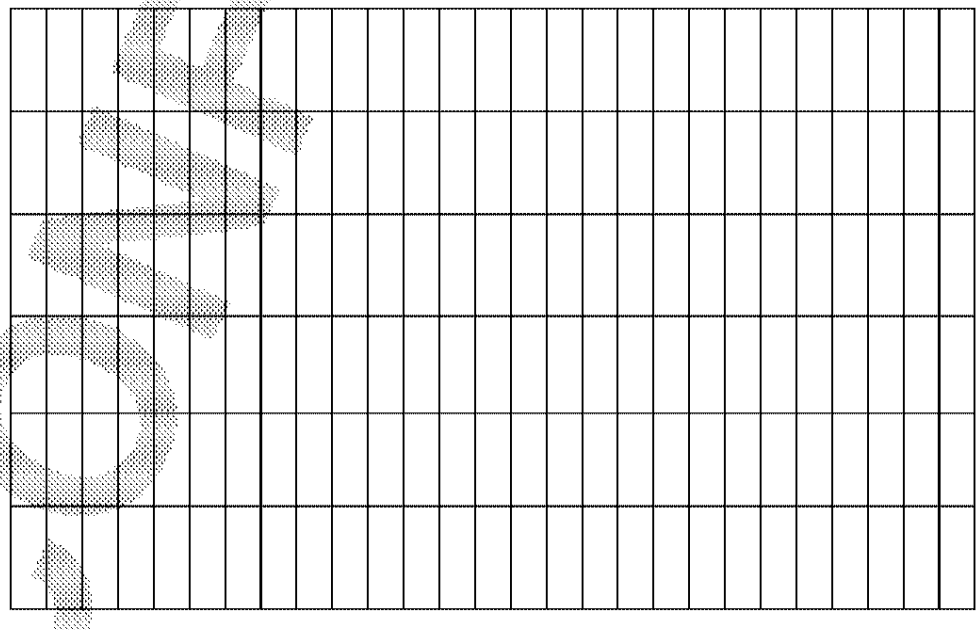
ILE00074761

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



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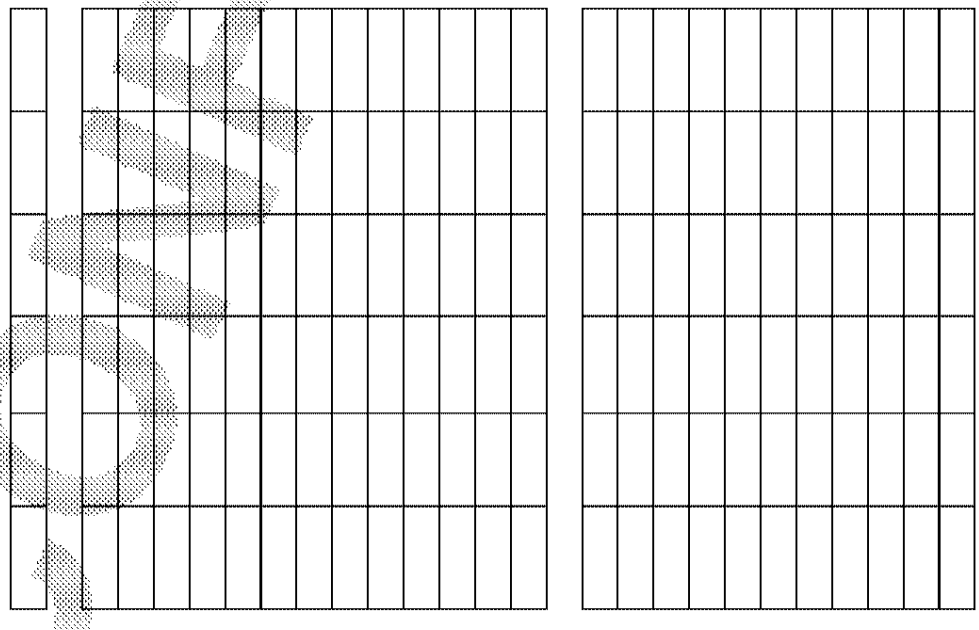
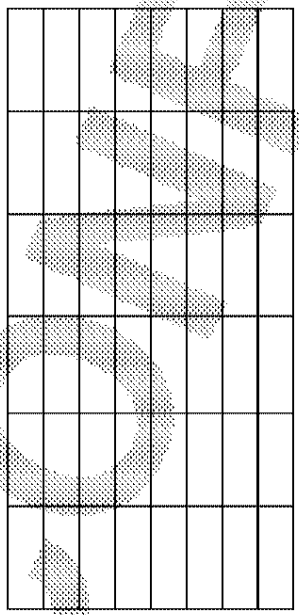
CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074767

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE0007476

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE00074769

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE00074771

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074772

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Test Date:

0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*

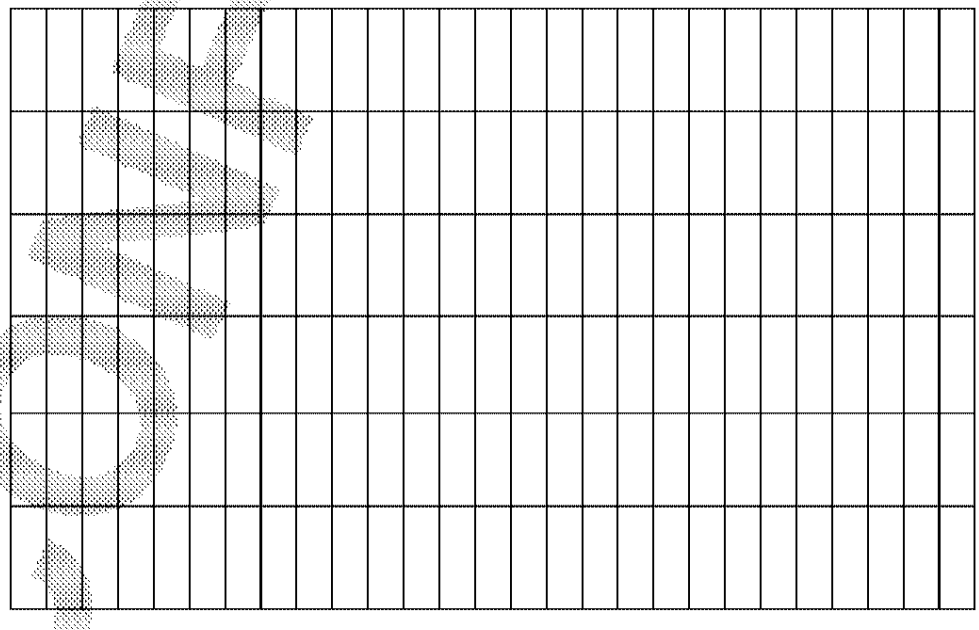
870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074773

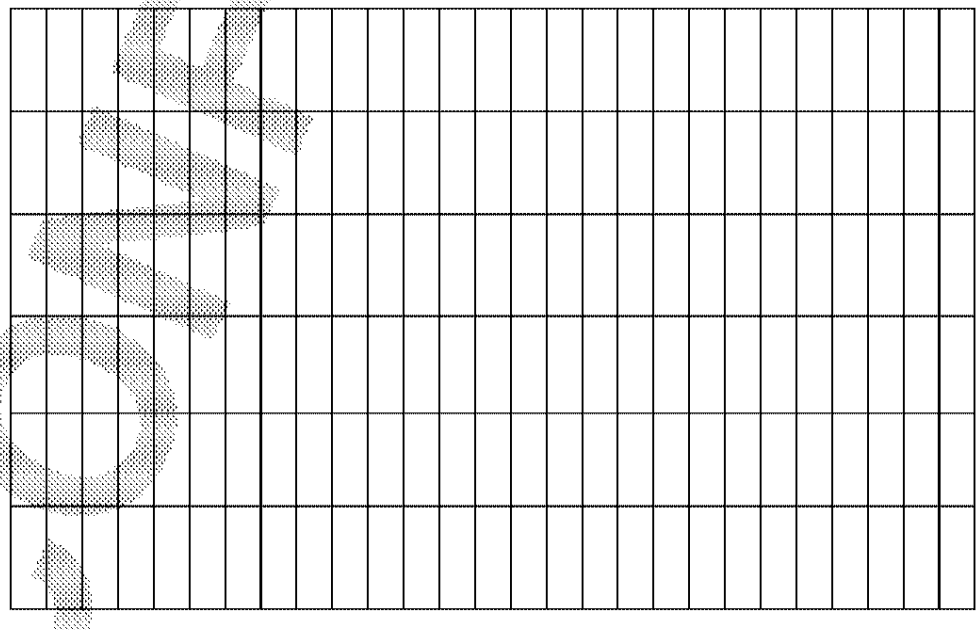
CONFIDENTIAL

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

CONFIDENTIAL

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Total Test + Proof Failures	*0*
Total Rejected:	*0*
Overall Reject Rate:	

Proof	*Shot:*										
	Rejected:	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
	Percent:										
Test	*Shot:*										
	Rejected:	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
	Percent:										
Target	*Shot:*										
	Rejected:	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074779

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE0007478

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch										
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007478

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074784

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

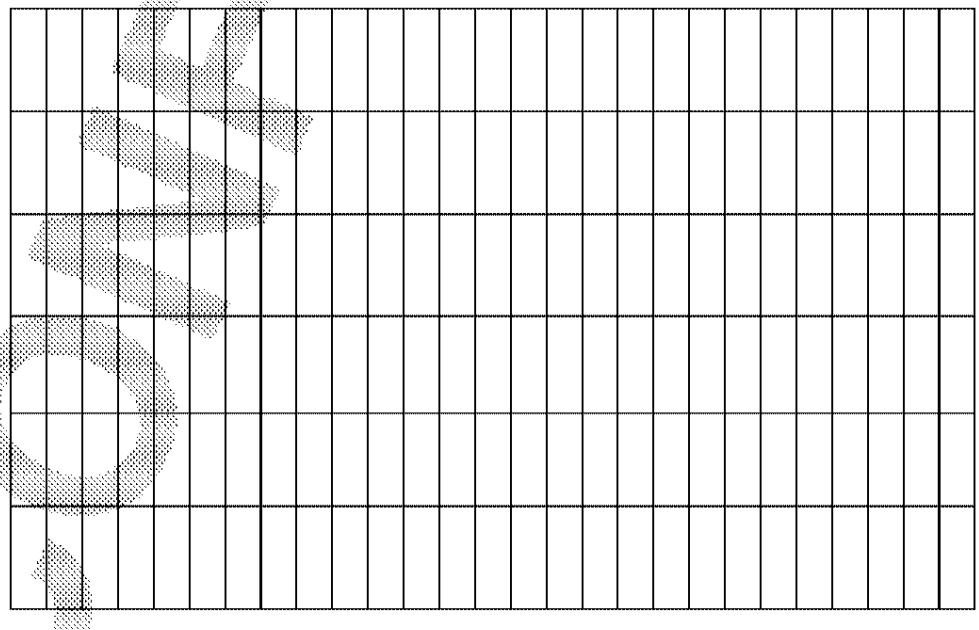
Test Date:

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074785

CONFIDENTIAL



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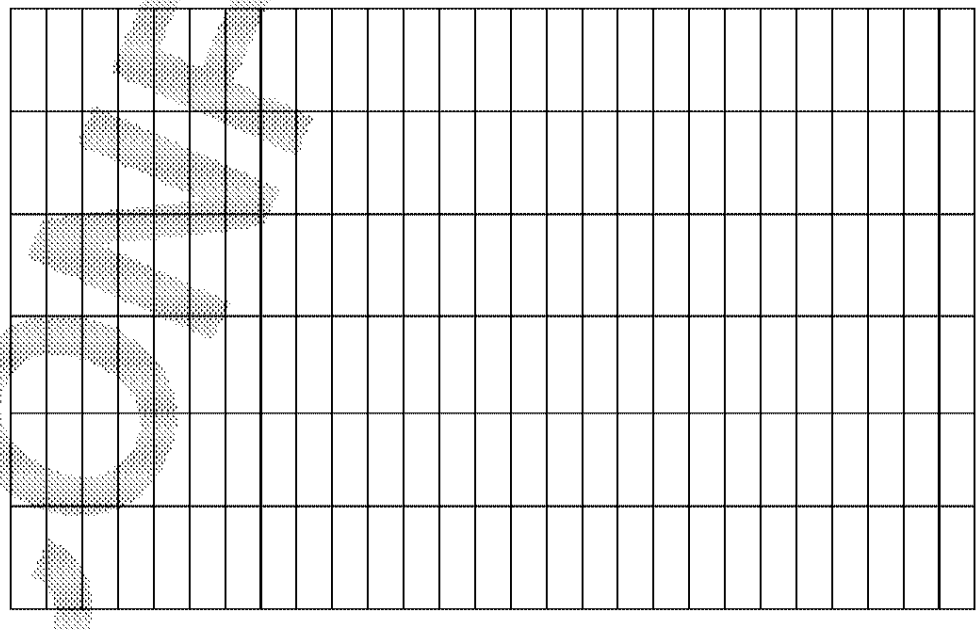

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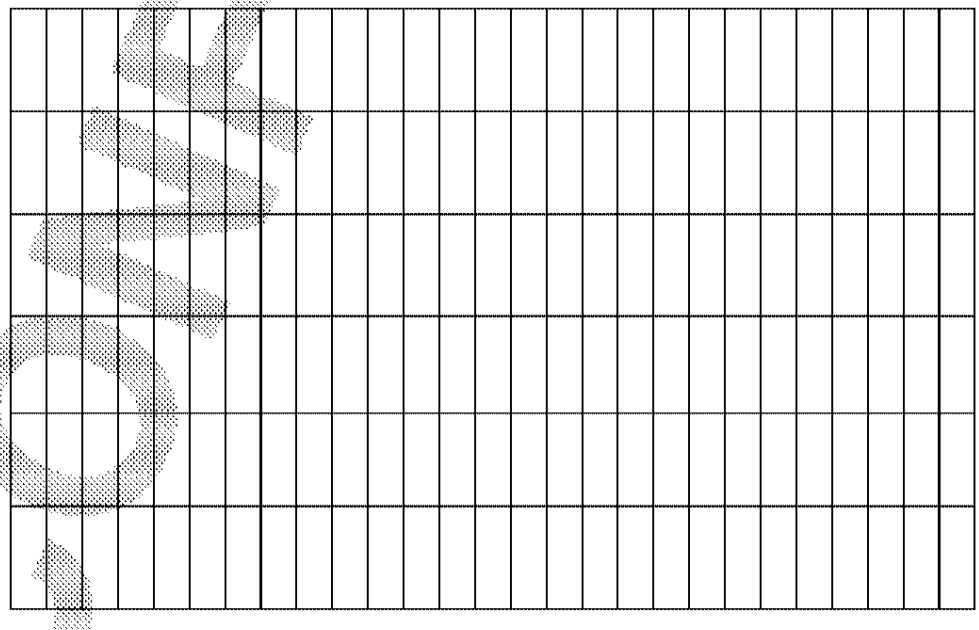
CONFIDENTIAL



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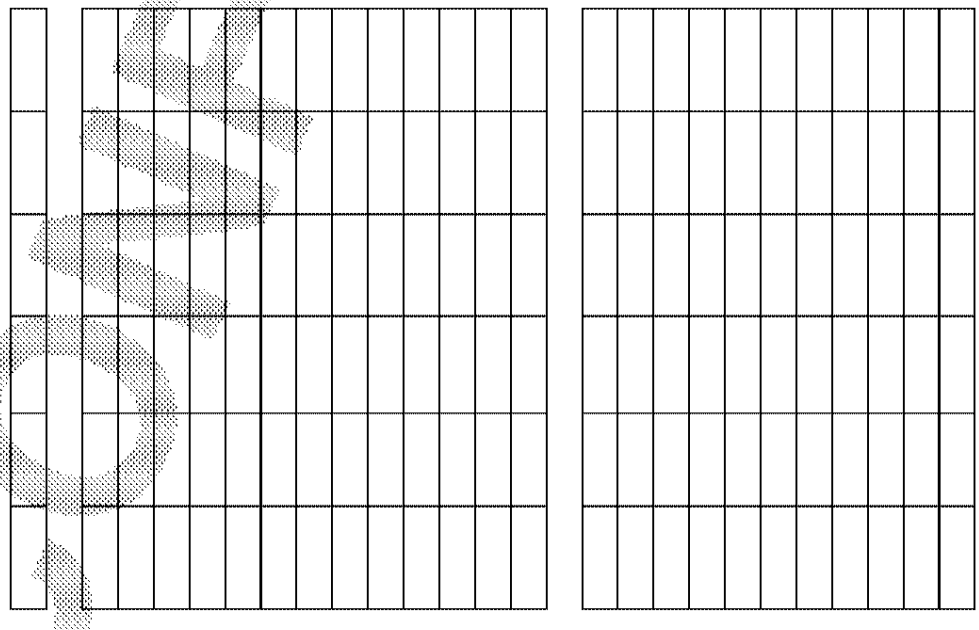
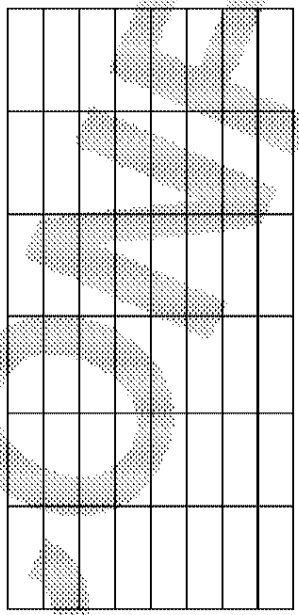


Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
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BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

ILE00074791

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
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JL	Jumps latch										
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MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

ILE0007479

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work										
RIC	Rings in chamber										
SBC	Stems bottom chambers										
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber										
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007479

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074796

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

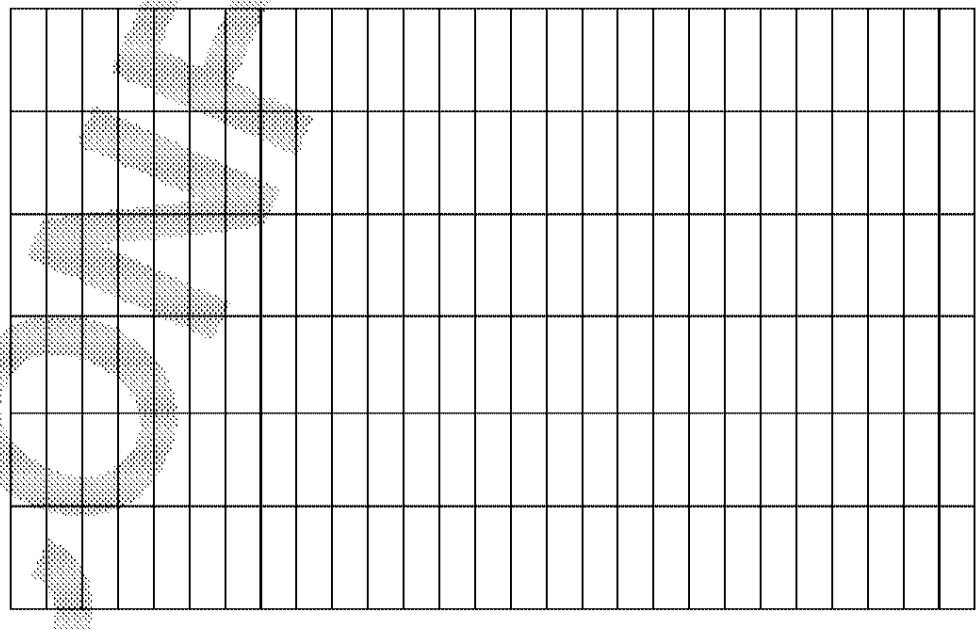
Test Date:

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074797

CONFIDENTIAL



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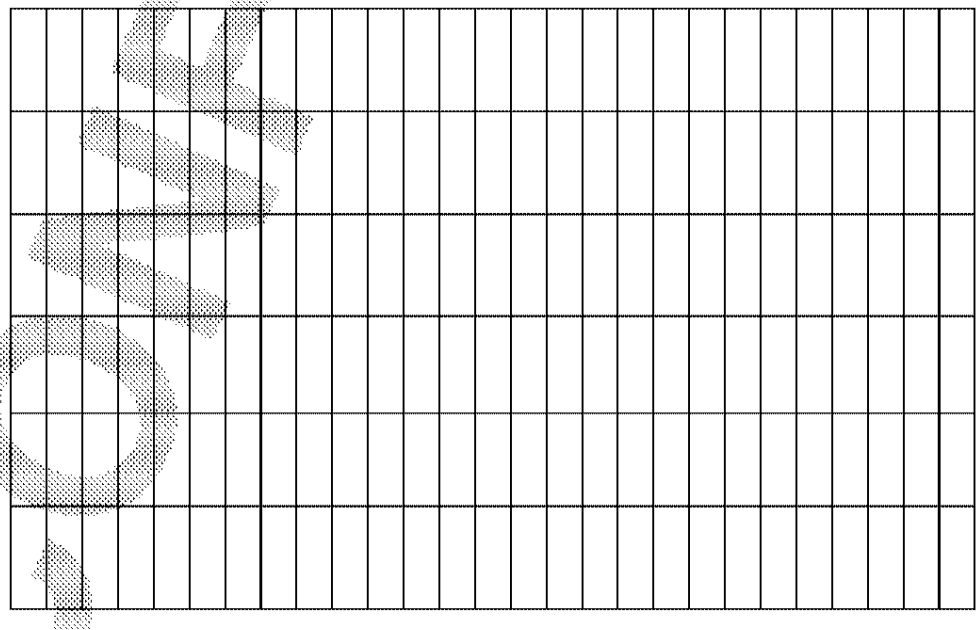

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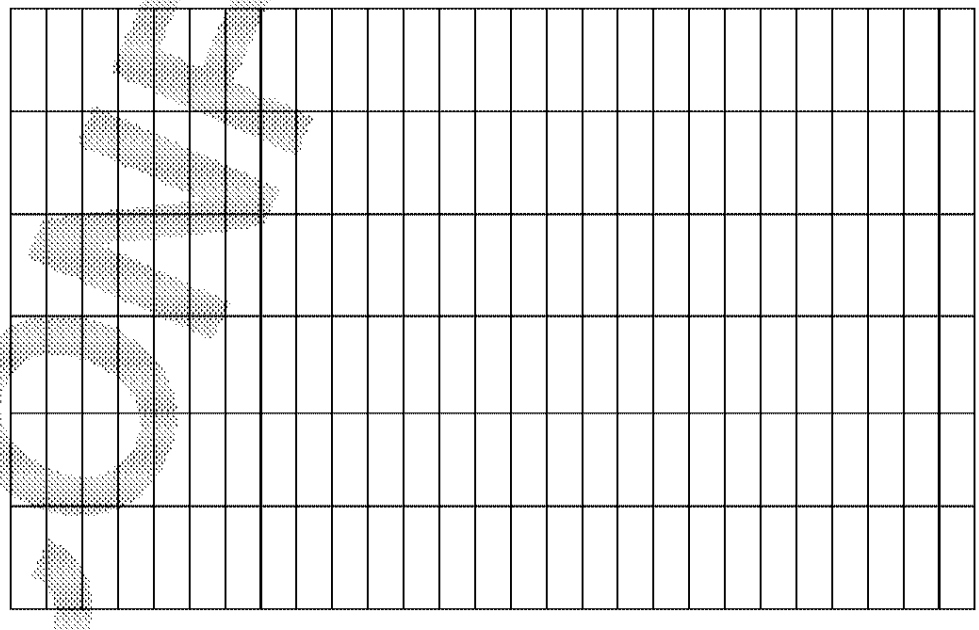

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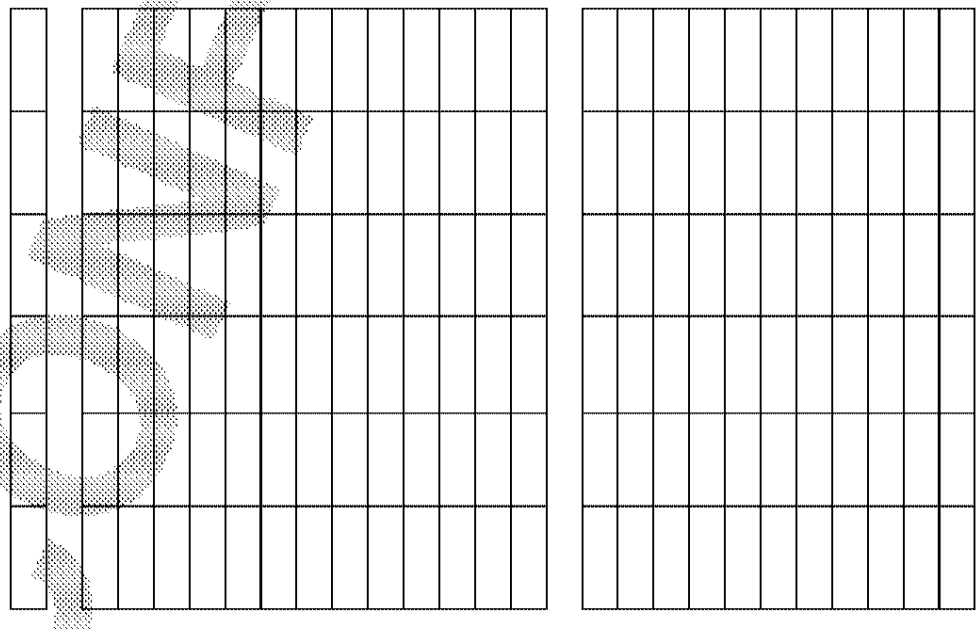
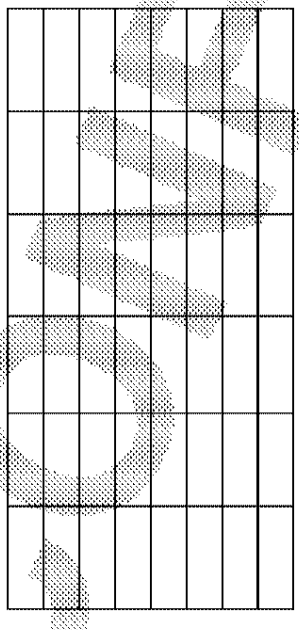


Subject to Protective Order - Williams v. Remington

CONFIDENTIAL



Subject to Protective Order - Williams v. Remington

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	1042
	Total Rejected:	85
	Overall Reject Rate:	8.16

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	29	51	21	25			15		369	
	Rejected:	0	0	0	0	0	0	0	0	1	0
	Percent:	0.0	0.0	0.0	0.0			0.0		0.3	
Test	Shot:	94	32	83	21			26		369	
	Rejected:	70	5	2	0	0	0	3	0	3	0
	Percent:	74.5	15.6	2.4	0.0			11.5		0.8	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	2									
CD	Case dented										
CH	Closes hard										

ILE0007480

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject	2									
DEL	Doesn't eject live round										
DFU	Doesn't feed up	10									
DLO	Doesn't lock open (after last shell)	1									
DLU	Doesn't lock-up		1								
DS	Dead safe										
DSM	Drops shell-magazine		1								
DTL	Doesn't trip latch		1	1							
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell							3			
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074804

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	7									
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor										
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	7	2								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work			1							
RIC	Rings in chamber										
SBC	Stems bottom chambers	23									
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken										
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber	11									
SMOC	Stretch marks on case										
SRC	Stems right side of chamber	3									
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber	4								3	
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

ILE0007480

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof									1	

ILE00074807

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

IIE00074808

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

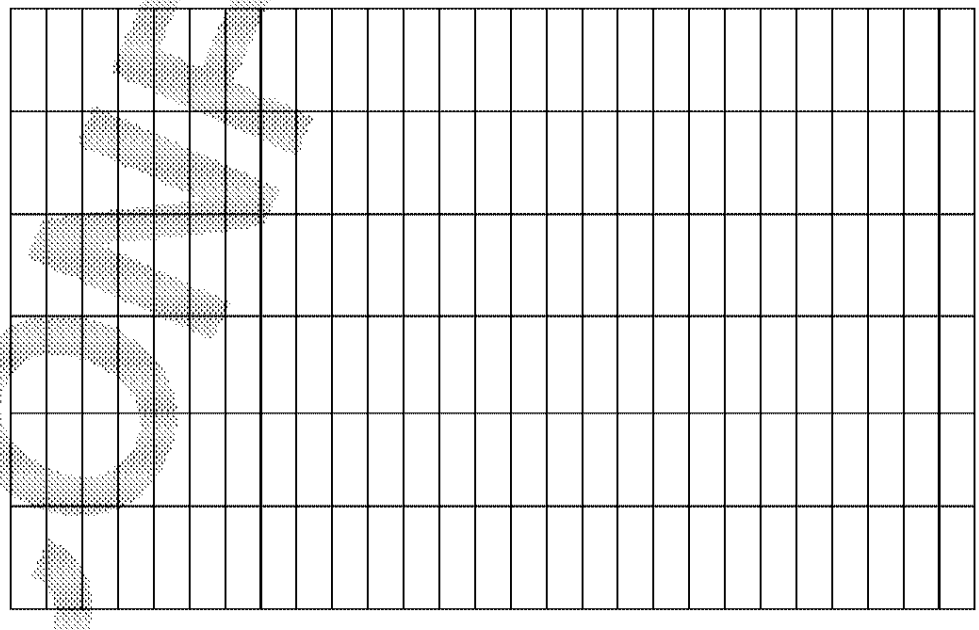
Test Date:

339		51		49	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
339		51		26	
0	*0*	*1*	*0*	*0*	*0*
0.0		*2.0*		*0.0*	
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE0007480

CONFIDENTIAL



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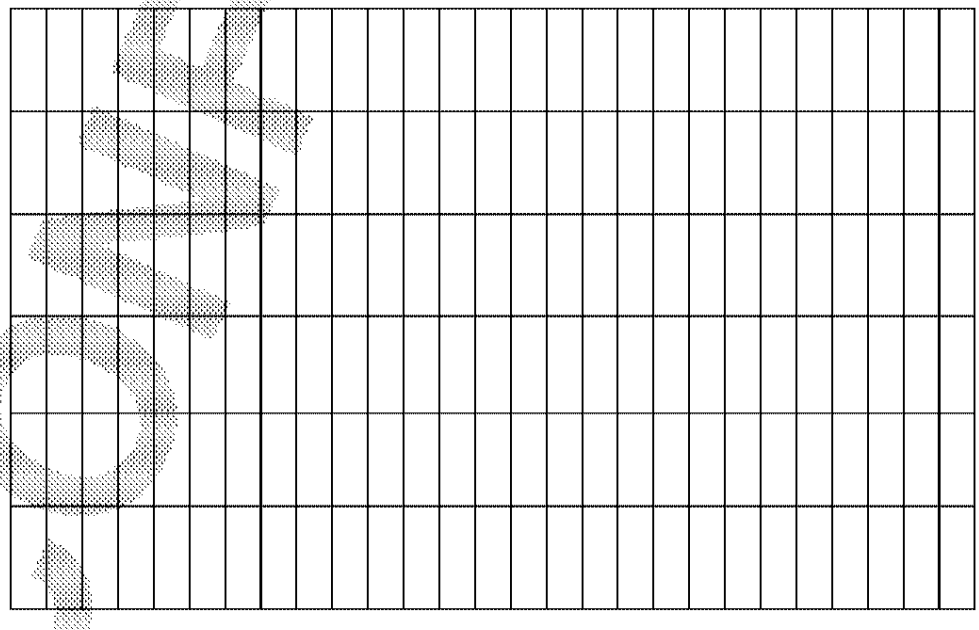

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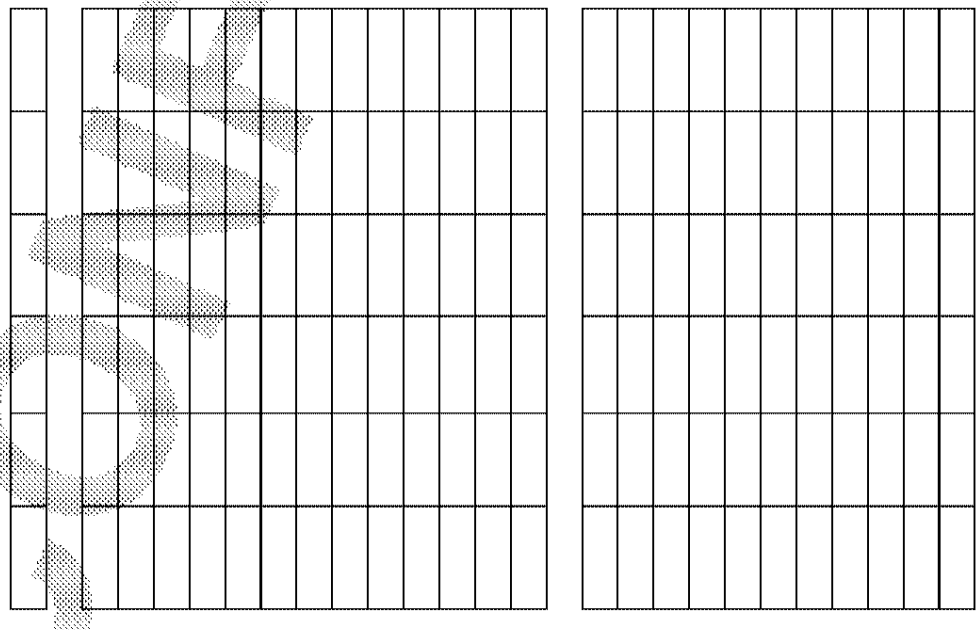

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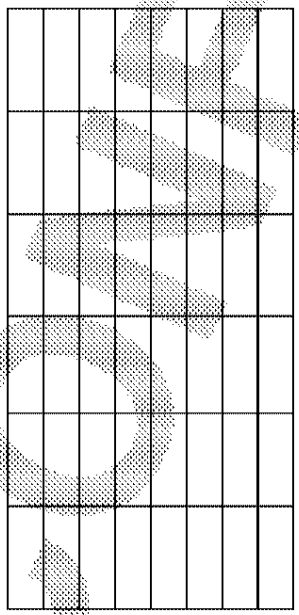

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Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	871
	Total Rejected:	38
	Overall Reject Rate:	4.36

		1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
Proof	Shot:	34	41	209	9		1			267	
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0		0.0			0.0	
Test	Shot:	22	52	231	28			8		218	
	Rejected:	8	2	25	0	0	0	0	0	2	0
	Percent:	36.4	3.8	10.8	0.0			0.0		0.9	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds			3							
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver			1							
CD	Case dented										
CH	Closes hard										

ILE0007481

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1	1	5							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject		1								
DEL	Doesn't eject live round										
DFU	Doesn't feed up	1									
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch	1									
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine	1		2							
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor	1		1							
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	2									
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard			3							
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work			1							
RIC	Rings in chamber										
SBC	Stems bottom chambers	1		2							
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber										
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber										
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber			7						1	
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007481

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074820

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

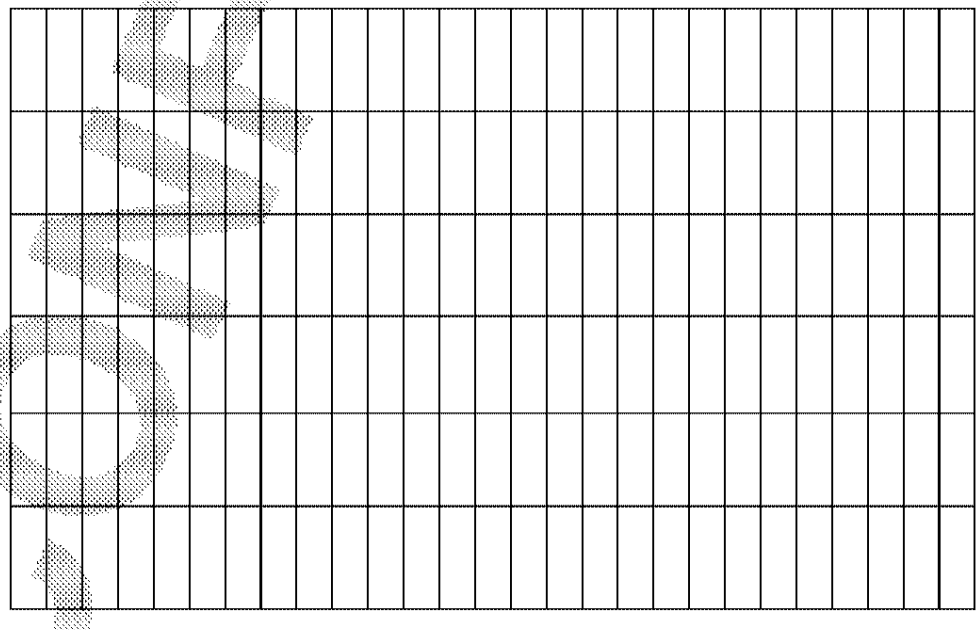
Test Date:

252		20		54	
0	*0*	*1*	*0*	*0*	*0*
0.0		*5.0*		*0.0*	
252		20		39	
0	*0*	*0*	*0*	*0*	*0*
0.0		*0.0*		*0.0*	
				22	
0	*0*	*0*	*0*	*0*	*0*
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074821

CONFIDENTIAL



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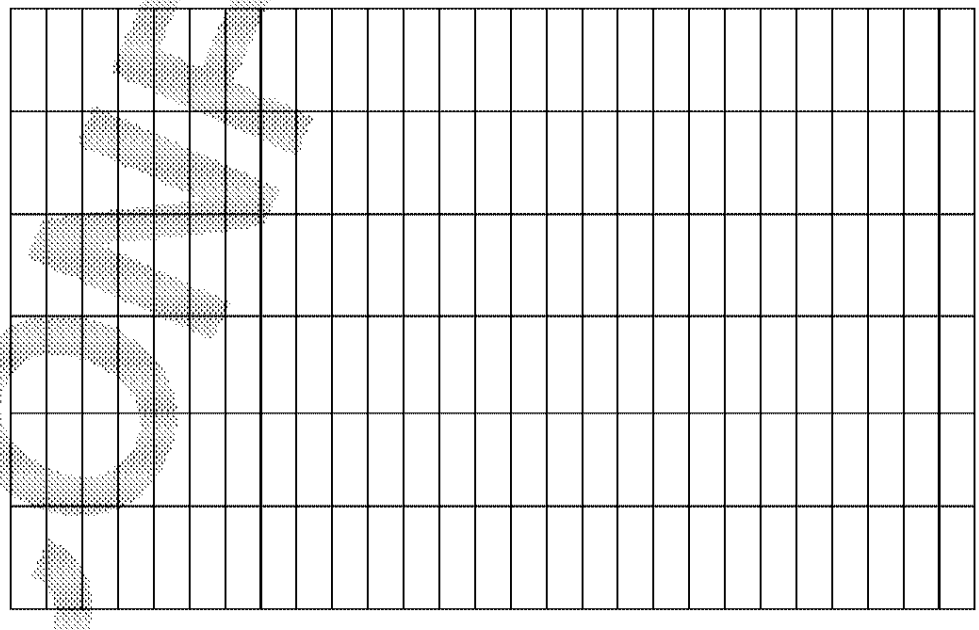

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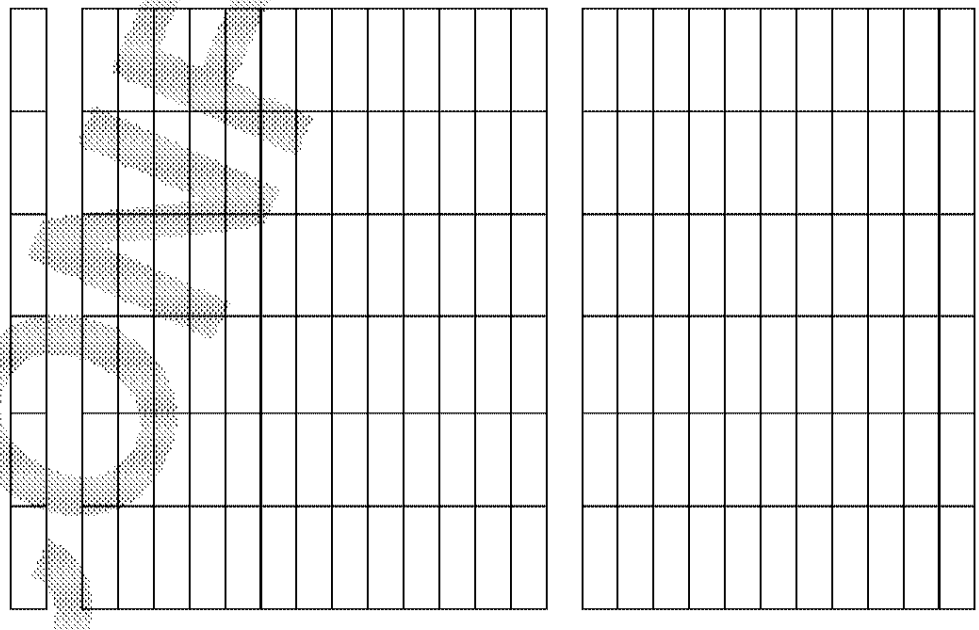

Subject to Protective Order - Williams v. Remington

CONFIDENTIAL

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

Summary		
	Total Test + Proof Failures	949
	Total Rejected:	57
	Overall Reject Rate:	6.01

Proof	Shot:	47	13	96	3		20	6	34	550	
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
Test	Shot:	74	17	108	3			8	36	550	
	Rejected	35	5	10	0	0	0	0	3	4	0
	Percent:	47.3	29.4	9.3	0.0			0.0	8.3	0.7	
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds	1		2						2	
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver	5									
CD	Case dented										
CH	Closes hard										

ILE00074827

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back	1		3							
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up			2					3		
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up		1								
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch	2									
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

ILE00074828

Subject to Protective Order: Williams v. Remington

CONFIDENTIAL

FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
FSR	Fires when safe is released										
GCSO	Gas cyl shot off										
GRSO	Guide ring shot off										
HPA	High pressure ammo										
HUE	Hard under extractor	2									
ILOP	Int. latch out of position										
ILRM	Int. latch ret. Missing										
ILSB	Int. latch stud broken										
ILSP	Int. latch spring out of position										
JL	Jumps latch	10	2								
JO	Jars off										
LB	Light blow										
MCSO	Magazine cap shot off										
MCW	Magazine capacity wrong										
MFA	Misfires (ammo)										
MFOP	Magazine follower out of position										
MLH	Magazine loads hard			1						1	
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

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PSM	Proof stamp missing										
RBOC	Rings and bulges on case										
RDW	(Action) release doesn't work		1								
RIC	Rings in chamber										
SBC	Stems bottom chambers	12	1								
SBCL	Shell binds carrier latch										
SBE	Stems bbl extension										
SCB	Stock cracked or broken									1	
SCX	Shell catches										
SHI	Short indent										
SIC	Stems in chamber	2									
SL	shaves lead										
SLC	Stems left side of chamber										
SMOC	Stretch marks on case										
SRC	Stems right side of chamber			1							
SRIC	Specific rings in chamber										
SSC	shell stems carrier										
STC	Stems top chamber			1							
SWE	Safety switch works too easily										
SWH	Safety switch works too hard										
SWW	Safety ewitxh won't work										
TD	Tips down										
TU	Tips up										
TWP	Trigger won't pull										
TWR	Trigger won't retract										
UNCN-T	Uncoded										
XH	Extracts hard										

Subject to Protective Order: Williams v. Remington

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XHB	Extractor hits bbl										
HI	High										
LO	Low										
LEFT	Left										
RIGHT	Right										
DG	Doesn't Group										
FSST	Front sight tipped										
RSTT	Rear sight tipped										
RSBR	Rear sight base raised										
FSTR	Front sight raised										
FSTL	Front sight loose										
RSTL	Rear sight loose										
MGPT-G	Missing parts at target										
UNCN-G	Uncoded nonconformity at target										
AI-P	Assembly incompleye at proof										
BC-P	Blows cases at proof										
BEB-P	Barrel extension broken at proof										
BLP-P	Blanked primer at proof										
BP-P	Blown primer at proof										
BS-P	Barrel split at proof										
DLOS-P	Doesn't lock over shells at proof										
ESB-P	Ejector sticks back at proof										
FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

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GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

ILE00074832

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Test Date:

1		18		127	
0	0	0	0	0	0
0.0		0.0		0.0	
1		18		134	
0	0	0	0	0	0
0.0		0.0		0.0	
				15	
0	0	0	0	0	0
				0.0	

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074833

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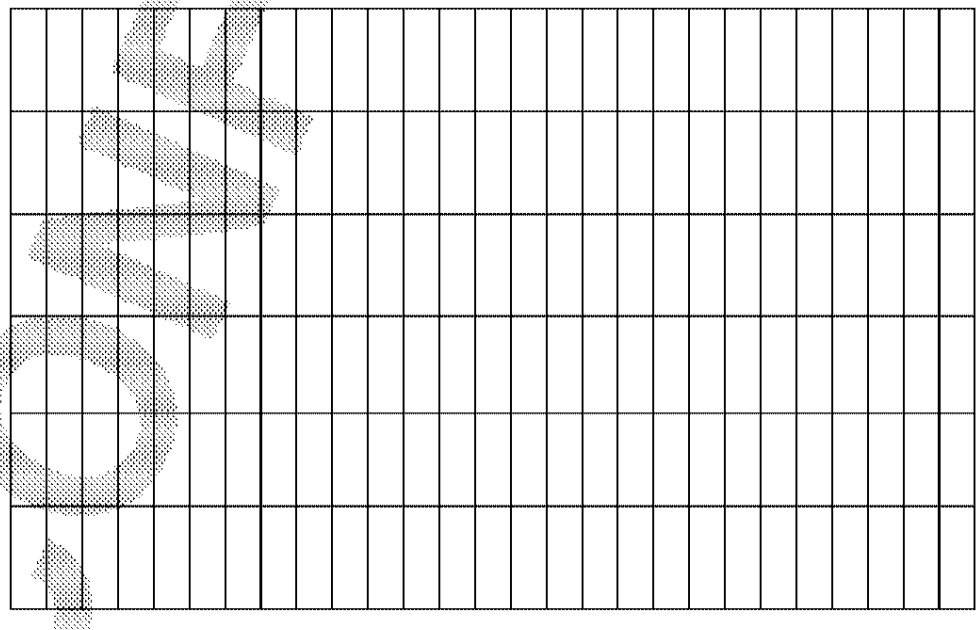

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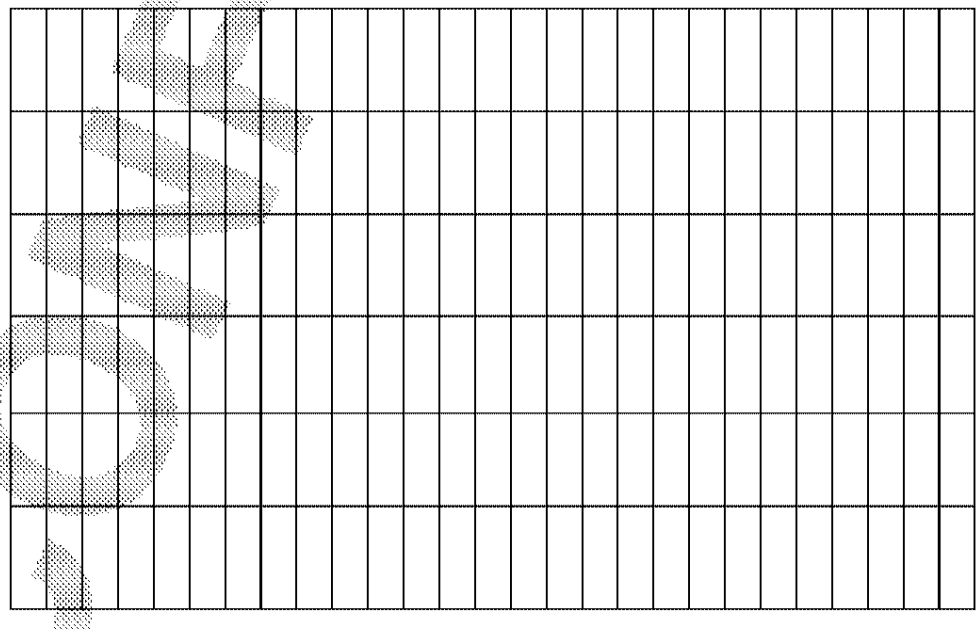

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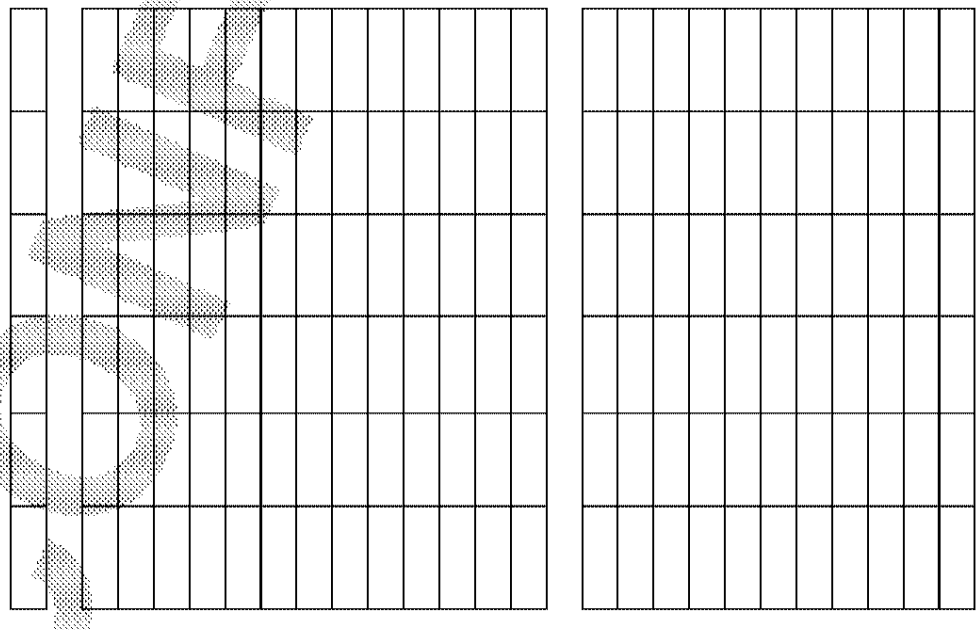

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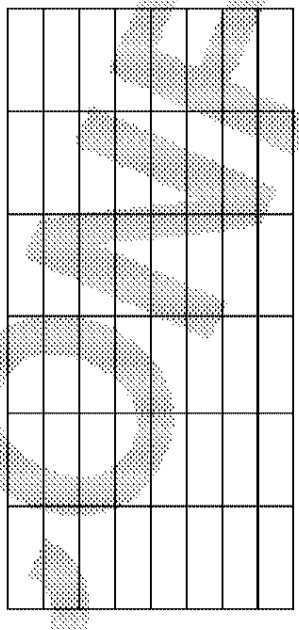

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Summary		
	Total Test + Proof Failures	0
	Total Rejected:	0
	Overall Reject Rate:	

Proof	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Test	Shot:										
	Rejected	0	0	0	0	0	0	0	0	0	0
	Percent:										
Target	Shot:										
	Rejected:	0	0	0	0	0	0	0	0	0	0
	Percent:										

CODE	MALFUNCTION INDEX	1187 Super Mag	1187 12Ga	1187 20Ga	1100 12Ga	1100 16Ga	1100 20Ga	1100 28Ga	1100 410Ga	870 12Ga	870 16Ga
AB	Action binds										
ASFB	Action spring follower binds										
BABS	Bulge at body shoulder										
BAC	Burr at chamber										
BB	Bolt binds/catches										
BCOE	Bolt catches on ejector										
BC	Blows cases										
BLOP	Bar lock or disconnector out of position										
BSCO	Barrel support came out										
CBS-F	Shells catch on bbl support-feeding										
CBS-L	Shells catch on bbl support-loading										
CC	Carrier catches on shells,mag,receiver										
CD	Case dented										
CH	Closes hard										

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CHAB	Carrier hits action bar										
CLM	Can't laod magazine										
CO	Cut-off										
CR	Cuts rim										
CS	Cases swell										
CTOG	Chamber torn or gouged										
CTP	Creepy trigger pull										
CWSB	Cams wrong side of action bar										
DBB	Doesn't blow back										
DCS	Double click in safety switch										
DCT	Double click in trigger										
DCU	Doesn't close-up										
DE	Doesn't eject										
DEL	Doesn't eject live round										
DFU	Doesn't feed up										
DLO	Doesn't lock open (after last shell)										
DLU	Doesn't lock-up										
DS	Dead safe										
DSM	Drops shell-magazine										
DTL	Doesn't trip latch										
DX	Doesn't extract										
DXL	Doesn't extract live round										
EDS	Extractor drops shell										
ESB	Ejector sticks back										
ESS	Extractor stems shell										
FA	Fires automatically										
FB	Follower binds										

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FC	Fails to connect										
FCB	Fore-end cracked or broken										
FD	Follows-down										
FF	Fails to fire										
FFM	Fails to feed from magazine										
FFP	Flat firing pin										
FOS	Fires on safe										
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GCSO	Gas cyl shot off										
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ILSB	Int. latch stud broken										
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MLH	Magazine loads hard										
OH	Opens hard										
PH	Pulls hard										
PSI	Proof stamp illegible										

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FCB-P	Fore-end cracked at proof										
FESO-P	Fore-end shot off at proof										
FF-P	Fails to fire at proof										

ILE0007484

GCSO-P	Gas cylinder shot off at proof										
GRSO-P	Guide ring shot off at proof										
MCSO-P	Magazine cap shot off at proof										
MSI-P	Magnaflux stamp illegible on bbl										
MSM-P	Magnaflux stamp missing on bbl										
PP-P	Pierced primer at proof										
SCB-P	Stock cracked or broken at proof										
UNCM-P	Uncoded proof malfunctions										

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Test Date:

0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*
0	*0*	*0*	*0*	*0*	*0*

870 20Ga	870 light weight	870 SM	SP10	870 Police	O/U

ILE00074845

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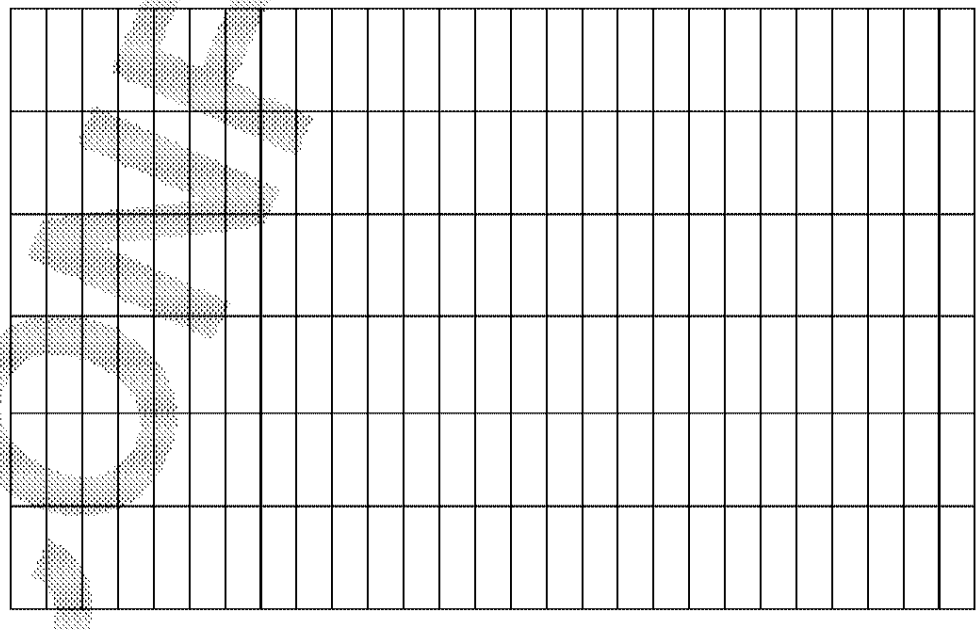

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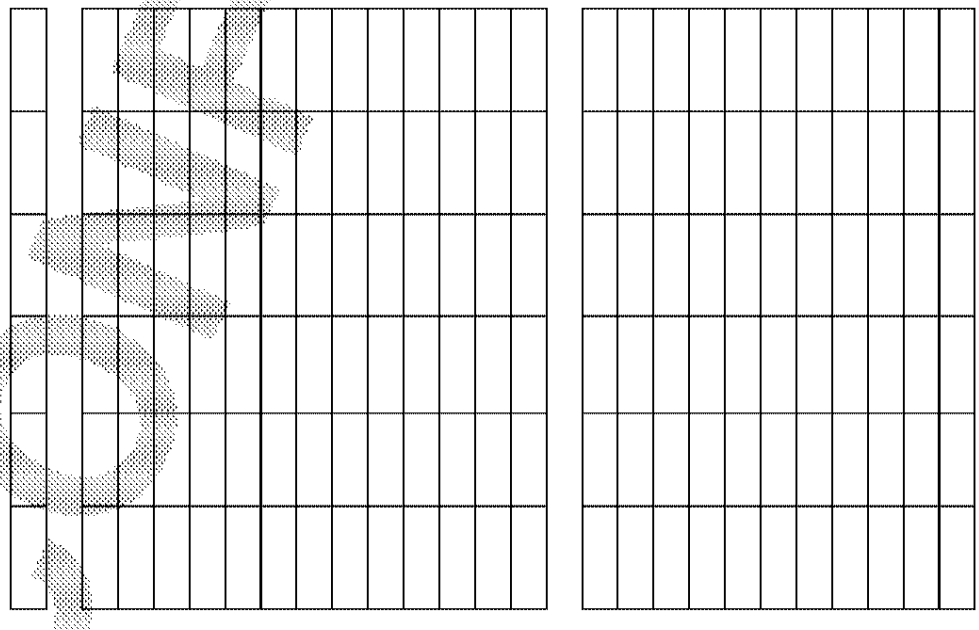

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